

A Project Report On
ONLINE TUTOR FINDER

*Submitted in partial fulfilment of the requirement
for the award of the degree of*

**Bachelor of Technology in Computer Science and
Engineering**



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**Under The Supervision
of Dr. J.N. SINGH
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CANDIDATE'S DECLARATION**

I/We hereby certify that the work which is being presented in the project, entitled “**ONLINE TUTOR FINDER**” in partial fulfilment of the requirements for the award of the **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING** submitted in the **School of Computing Science and Engineering** of Galgotias University, Greater Noida, is an original work carried out during the period of **JULY-2021 to DECEMBER-2021**, under the supervision of **Dr. J.N. SINGH, Professor, Department of Computer Science and Engineering** of School of Computing Science and Engineering, Galgotias University, Greater Noida

The matter presented in the project has not been submitted by me/us for the award of any other degree of this or any other places.

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This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

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CERTIFICATE

The Final Thesis/Project/ Dissertation Viva-Voce examination of **18SCSE1140072: BIBEK GHIMIRE AND 18SCSE1140067: RAHUL KUMAR SAH** has been held on __and his/her work is recommended for the award of **BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING.**

Signature of Examiner(s)

Signature of Supervisor(s)

Signature of Project Coordinator

Signature of Dean

Date:

Place:

ABSTRACT

The system of private tuition has been in existence in India for a long time but in recent times it has grown manifold affecting the very core of educational system. This system will help to find tuition teachers from nearby locations. Teachers can also get student just by logging into the website and setting up the profile. In the system there are three entities namely, Admin, Parents and Tutor. Admin can login, manage tutor by adding new teachers and updating their profiles. Admin can also manage E books by adding new books into the library. Admin can also check for the registered parents. Admin will register tutors and credentials will be share to tutors by email. Parents can register and login, tutors can be viewed by parents. Parents can filter and select the tutor and after selecting parents will raise the request of demo lecture. After attending lecture, they can book the tutor online, rate the tutor and view the E Books. Tutor can login by using credentials which will be provided by mail. They can check for the request for demo lecture and accept the request. They can also check the booking done. They need to set their profile. This system can help the tutors to get students and parents to find the best tutors for their children's.

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CHAPTER-1

Introduction

It is an age-old problem that a student has a tough time finding the teacher when required, thus this project present an easy-to-use solution of finding a teacher when required using our application. It also provides privacy to the teacher so that he can select the hours during which the students can meet him/her and the location where they can find the tutor.

This project has been created for an online search portal for students in order to find a tuition. Check the tuition-seekers/students list which is available for tuition / tutor and apply for tuition. Tutor / Student login to upload their information with their qualification/ requirement. Then after checking the tutor/student information, then send the request for the connection and contact each other and get the tuition.

We have created this webpage which makes both teachers and students task more effective and convenient.

Role of Online Tutor

Online tutoring has a major advantage in that a tutor can teach from anywhere. They can reach students who are in need of help, regardless of location and time zone. Online tutor has many advantages over their traditional counterparts. They are typically cheaper, tutorials can be provided at any time of the day or night, and they do not have to worry about scheduling conflicts with students. Online tutoring provides quick, direct, and appropriate learning to students. Online tutoring services often have state-of-the-art software programs that they can use to communicate with students and provide training. This helps students develop successful habits of studying, which can be advantageous in the long run, especially in college. Online tutoring services provide affordable services.

Online tutors are available to provide assistance in a wide range of subjects. They can help students that are struggling with subjects they are taking in school, and also people that want to learn a new language or skill. The most common type of online tutor is the personal tutor. These tutors will work with their students either one-on-one or in a group setting, depending on the student's needs and schedule. Online tutors are making the education process easier for many people who need some more assistance than what their school provides, but don't have the time or money to go to classes at all times.

Merits of Proposed System

With online tutoring, a student has a global pool of tutors to choose from; which empowers them to choose their tutor based on their specific requirements. When opting for an offline tutor, not only are you limited by the area you live in but also by tutor availability as many of the top tutors in the area probably deliver most of their tutoring online.

An incredible benefit of online tutoring is that the student and parent can select a tutor who is exactly the type of teacher, personality and demographic that matches their requirements.

At school, the environment a student will learn in can range from the very formal to the very disruptive. Most offline tuition will be at the student's home in an office or at the kitchen table which is a little more comfortable for the student.

However, when tutoring online, the student can be in the environment of their choice. There is a lot of evidence to show that relaxed minds learn and memorize better. It also comes back to our first point it gives the student choice which is more empowering for them as the learner.

Different students will require different environments to learn at their best. This is also true for students who are particularly anxious. For them, being able to work in an environment in which they feel relaxed without having someone looking over their shoulder can be particularly beneficial.

1. Round the Clock Availability:

Online tutors are, in most cases, available 24/7 to assist students.

This way, learners can schedule their study sessions based on their availability and preferences, as opposed to in-class learning where all lectures have to follow a specified timetable.

Moreover, with online learning, students can consult their tutors and get immediate help in studies, whether it's in assignments or tests they're working on. With in-class learning, students would have to wait until the next study session to seek clarification or help with their studies.

2. Most Convenient Mode of Education:

When it comes to convenience, nothing beats online learning.

Flexibility to choose your own leaning schedule, no need to drive to school, saving on transportation costs; What is not to like?

With just a computer and internet connection, you can learn from anywhere, even at the comfort of your couch. In comparison, in-class learning requires you to move at everyone's pace. You could lose a lot in the event you're unable to attend classes for any reason whatsoever.

3. Online Tutoring Is Cost-Effective:

Taking classes at home is a reliable, yet cost-effective means of grabbing education. Online tutors charge less compared to in-class tuition fees. Plus, you also get to save on transportation costs and boarding costs.

CHAPTER 2

FEASIBILITY STUDY

ECONOMIC FEASIBILITY:

Economic analysis is most frequently used for evaluation of the effectiveness of the system. More commonly known as cost/benefit analysis the procedure is to determine the benefit and saving that are expected from a system and compare them with costs, decisions is made to design implement the system. This part of feasibility study gives the top management the economic justification for the new system. This is an important input to the management, because very often the top management does not like to get confounded by the various technicalities that bound to be associated with a project of this kind. A simple economic analysis that gives the actual comparison of costs and benefits is much more meaningful in such cases. In the system, the organization is most satisfied by economic feasibility. Because, if the organization implements this system, it need not require any additional hardware resources as well as it will be saving a lot of time.

TECHNICAL FEASIBILITY:

Technical feasibility centres on the existing manual system of the test management process and to what extent it can support the system. According to feasibility analysis procedure the technical feasibility of the system is analysed and the technical requirement such as software facilities, procedure, inputs is identified. It is also one of the important phases of the system development activities. The system offers greater levels of user friendliness combined with greater processing speed. Therefore, the cost of maintenance can be reduced. Since processing speed is very high and the work is reduced in the maintenance point of view management convince that the project is operationally feasible.

BEHAVIOURAL FEASIBILITY:

People are inherently resistant to change and computer has been known to facilitate changes. An estimate should be made of how strong the user is likely to move towards the development of computerized system. These are various levels of users in order to ensure proper authentication and authorization and security of sensitive data of the organization.

PROJECT DESIGN:

LITERATURE REVIEW:

Due to the relevance of the computer sciences in today's world, programming has become an important subject to be taught not only in the tertiary education but also in primary and secondary. Online tools provide an interactive environment for the students to absorb coding knowledge, but it is wrong to assume that they will be able to use and thrive through it on their own. Recent researches expose that user cannot self-educate themselves without some initial guidance. So, the initial interaction must be facilitated by an educator, starting the adoption process. To keep this process in motion and to ensure retention, the e-learning platform must address this public demands. It is necessary to understand them, based on their behavioural traits. The functionalities to be developed or customized must consider these characteristics and the content to be produced should use a language suitable to them. All of that aiming to keep them satisfied because satisfaction leads to engagement, which is a prerequisite to an effective learning experience.

The engagement issue is not exclusive of teenagers learning coding skills. It has been an increasing obstacle in online tutoring systems as a way to expand the reach of education for different audiences. However, their growth in an absolute number of students enrolled is very high, their retention rates are meagre, which exposes that to enrols a student is an entirely different challenge of keeping him engaged through the course of time.

ARCHITECTURE:

Various Design concepts and processes were applied to this project. Following concepts like separation of concerns, the software is divided into individual modules that are functionally independent and in- corporates information hiding. The software is divided into 2 modules which are students and teachers. We shall look at each module in detail.

Student:

Each student belongs to a class identified by their tutor and grade. Each class belongs to a department and are assigned a set of courses. Therefore, these courses are common to all students of that class. The students are given a unique username and password to login. Each of them will have a different view. These views are described below.

Student information:

Each student can view only their own personal information. This includes their personal details like name, phone no, address etc. Also, they can view the courses they are enrolled in and the tutor they wish to choose.

Notifications and events:

This section is common to all students. Notification are messages from the admin such as declaration of holidays, time-table etc. The events and their details are specified here.

Teacher (Tutor):

Each teacher belongs to a department and are assigned to classes with a course. Teachers will also have a username and password to login. The different views for teachers are described below.

Information:

The teachers will have access to information regarding the courses and classes they are assigned to. Details of the courses include the marks and contents which will be assigned further. The teacher will also have access to information of students who belong to the same class as the teacher.

Class Diagram:

The class diagram states the different classes involved in the software. For each class, a set of attributes and method are included. The relationship between the classes is also specified.

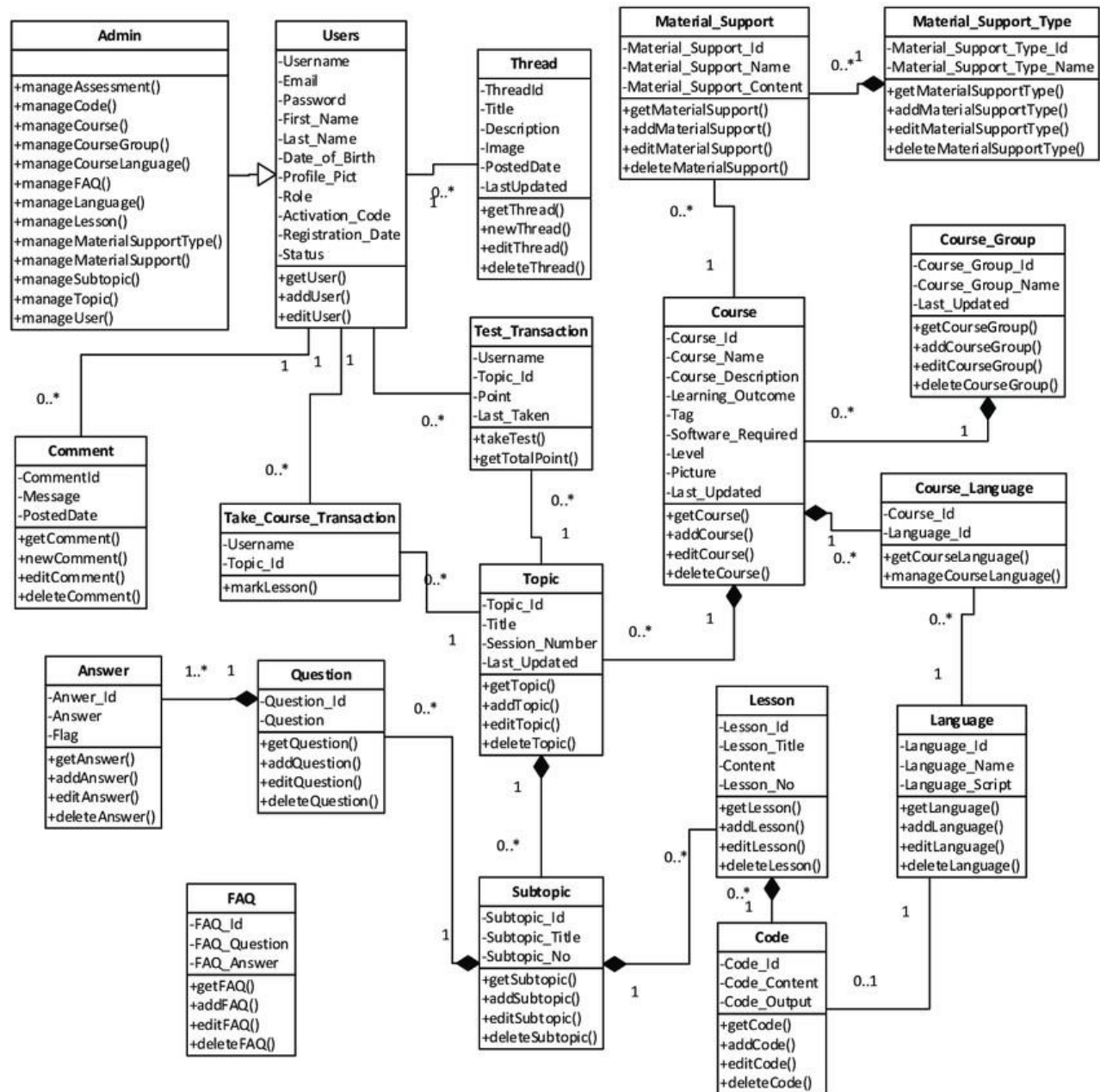


Fig: Class Diagram of Online Tutor

ENTITY-RELATIONSHIP DIAGRAM:

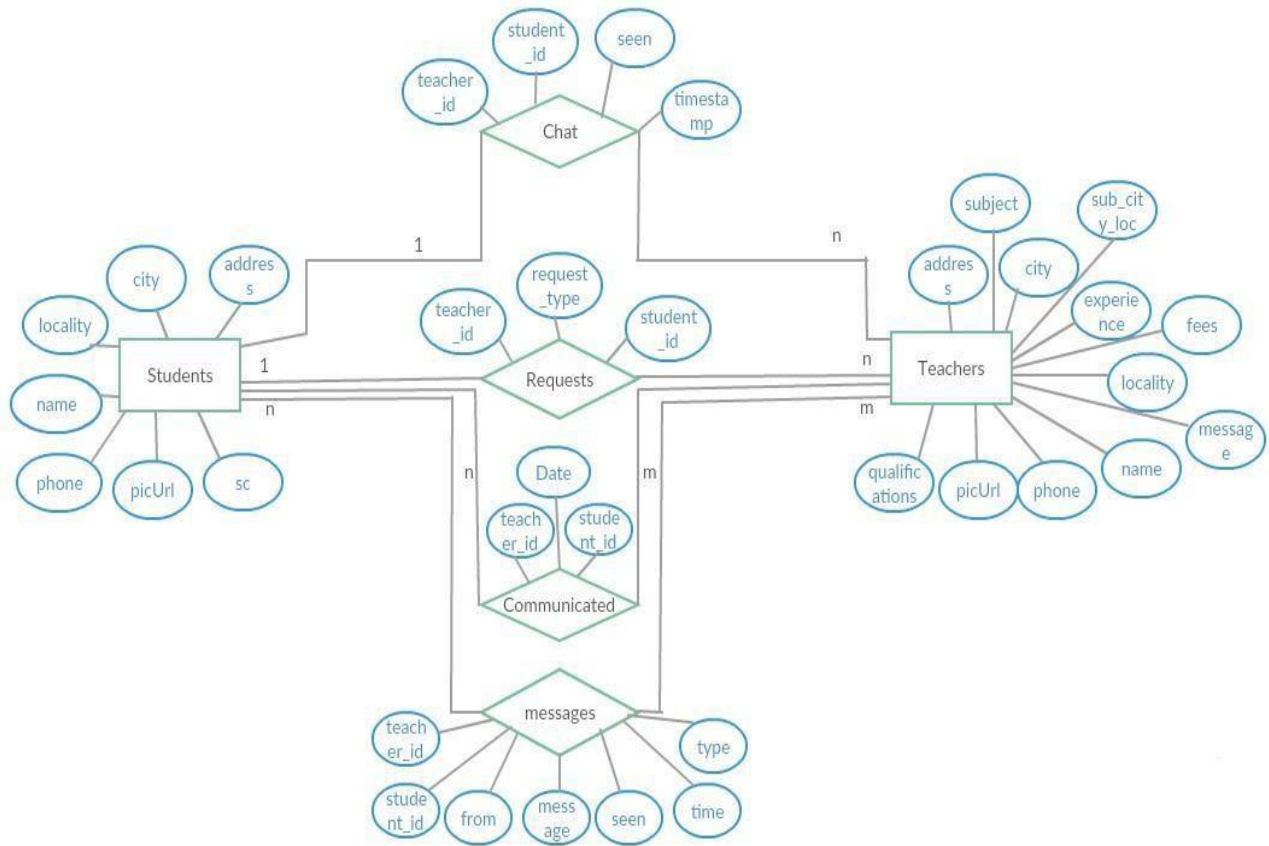


Fig: ERP Diagram of Online Tutor

DATA FLOW DIAGRAM:

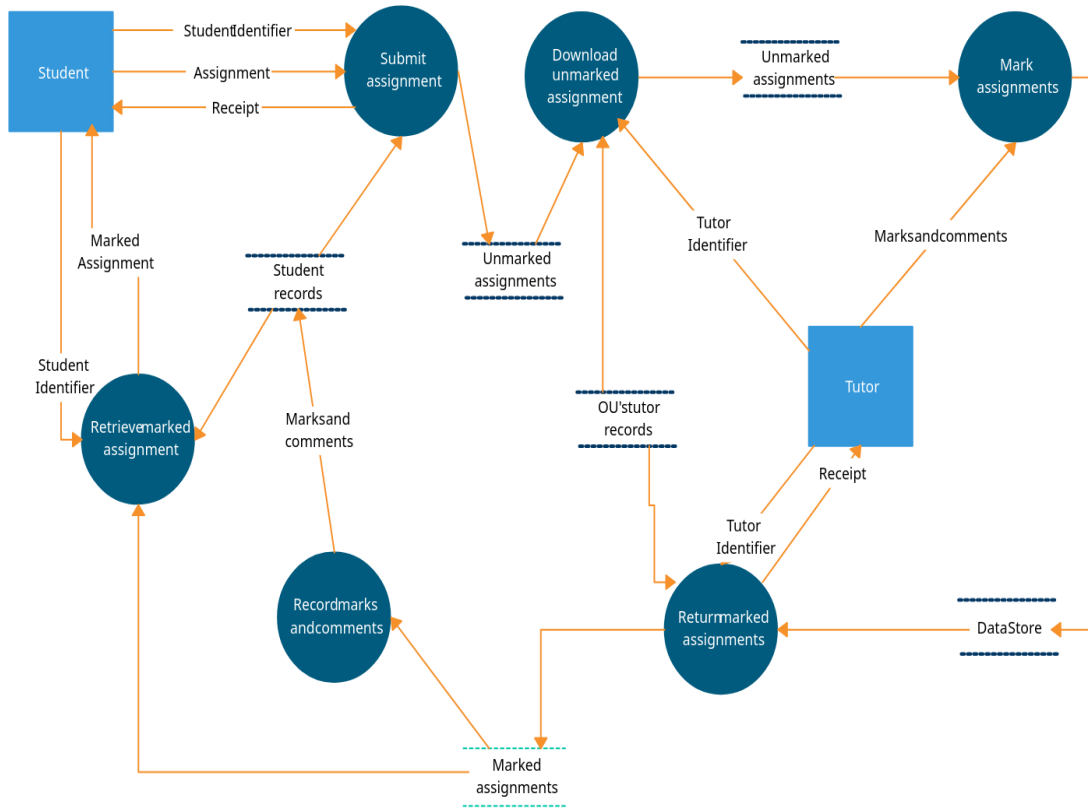


Fig: Data Flow Diagram

ARCHITECTURE DESIGN:

The ERP requires the architectural design to represent the design of the software. Here we define a collection of hardware and software components and their interfaces to establish the framework for the development of this site. There exists number of components of the system which are integrated to form a system. The set of connectors will help in coordination, communication, and cooperation between the components. The ERP is built for computer-based system. It exhibits the data centric style of architecture.

Architectural style:

In the online tutor ERP, the database stores the data of all the students and tutors and the stored data is updated, added, deleted or modified. So, it exhibits the data centric architectural style. In this architecture different components communicate with the shared data repository. The components access a shared data structure and are relatively independent.

The components are:

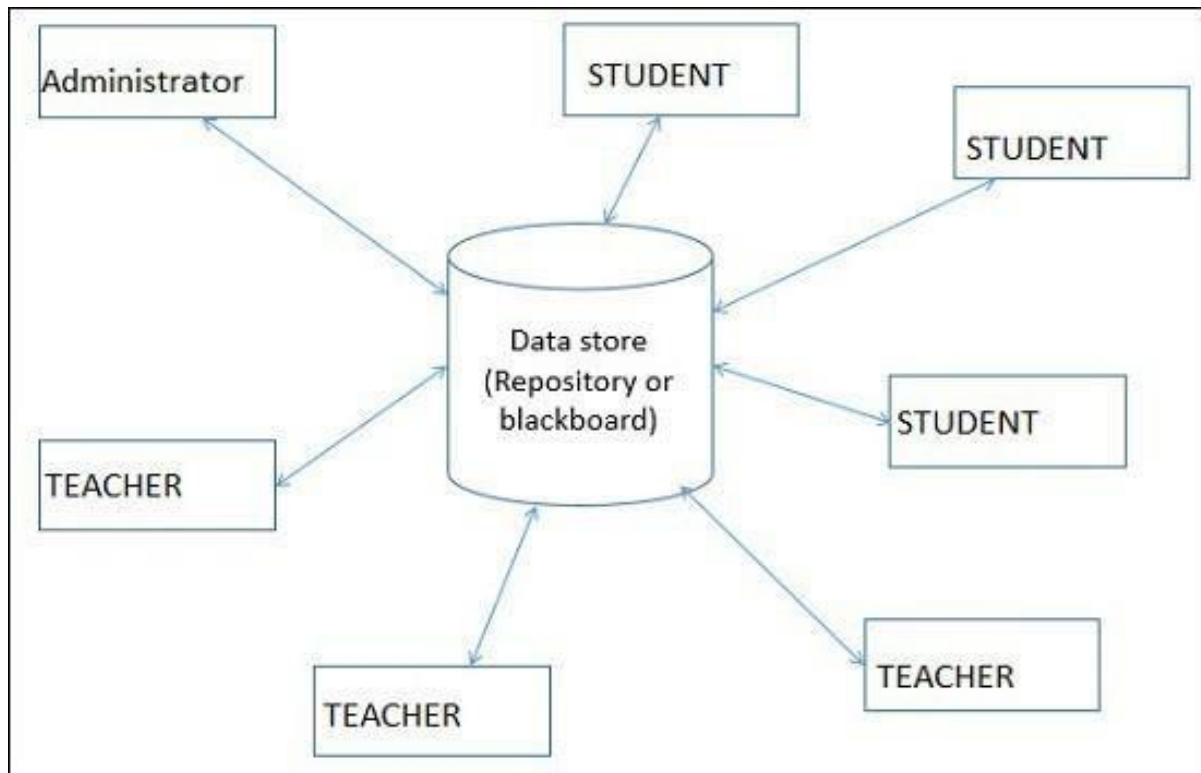


Figure: Data Centric architectural style

Central data:

Also known as data store or data repository, which is responsible for providing permanent data storage. It represents the current state. It stores the information of students, attendance of students and tutors of each day, salary of all the tutors etc...

Data accessors:

Data accessors one of the components, they are also called as clients. A data accessor operates on the central data store, perform computations, and might put back the results. Which includes students, tutors and administrator. Students requests to access the data from the repository and gets the request serviced. Tutors modify the data in the repository. Administrator can add or delete the clients.

Interface:

Interface is the connecting component between data repository and clients' client interact with the data through the web server. The operation of one client does not depend on the others. They are independent of each other. This datacentered architecture will promote integrability. This means that the existing components can be changed and new client components can be added to the architecture without the permission or concern of other clients. Addition of removal of students and tutors can be done without the permission of other students and tutors.

CHAPTER 3

TECHNOLOGY USED:

3.1 HTML:

HTML stands for Hyper Text Markup Language. It used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. A markup language is used to define the text document within tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g., HTML) are human readable. The language uses tags to define what manipulation has to be done on the text.

HTML is a markup language used by the browser to manipulate text, images, and other content, in order to display it in the required format.

Elements and Tags:

HTML uses predefined tags and elements which tell the browser how to properly display the content. Remember to include closing tags. If omitted, the browser applies the effect of the opening tag until the end of the page.

HTML page structure:

The basic structure of an HTML page is laid out below. It contains the essential building-block elements (i.e. doctype declaration, HTML, head, title, and body elements) upon which all web pages are created.

<DOCTYPE! html>:

This is the document type declaration (not technically a tag). It declares a document as being an HTML document. The doctype declaration is not case-sensitive.

<html>: This is called the HTML root element. All other elements are contained within it.

<head>: The head tag contains the “behind the scenes” elements for a webpage. Elements within the head aren’t visible on the front-end of a webpage. HTML elements used inside the <head> element include:

- <style>
- <title>
- <base>
- <noscript>
- <script>
- <meta>
- <link>

<body>: The body tag is used to enclose all the visible content of a webpage. In other words, the body content is what the browser will show on the front-end.

An HTML document can be created using any text editor. Save the text file using **.html** or **.htm**. Once saved as an HTML document, the file can be opened as a webpage in the browser.

Why to Learn HTML?

Originally, **HTML** was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers. Now, HTML is being widely used to format web pages with the help of different tags available in HTML language.

HTML is a **MUST** for students and working professionals to become a great Software Engineer especially when they are working in Web Development Domain.

I will list down some of the key advantages of learning HTML:

- **Create Web site** - You can create a website or customize an existing web template if you know HTML well.
- **Become a web designer** - If you want to start a career as a professional web designer, HTML and CSS designing is a must skill.
- **Understand web** - If you want to optimize your website, to boost its speed and performance, it is good to know HTML to yield best results.
- **Learn other languages** - Once you understand the basic of HTML then other related technologies like javascript, php, or angular are become easier to understand.

As mentioned before, HTML is one of the most widely used language over the web.

I'm going to list few of them here:

Web pages development - HTML is used to create pages which are rendered over the web. Almost every page of web is having html tags in it to render its details in browser.

- **Internet Navigation** - HTML provides tags which are used to navigate from one page to another and is heavily used in internet navigation.
- **Responsive UI** - HTML pages now-a-days works well on all platform, mobile, tabs, desktop or laptops owing to responsive design strategy.
- **Offline support**- HTML pages once loaded can be made available offline on the machine without any need of internet.

- **Game development**- HTML5 has native support for rich experience and is now useful in gaming development arena as well.

3.2 Cascading Style Sheets (CSS):

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, and variation in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

The major structural **elements** of CSS include style sheets, attribute-value pairs, and binding. An understanding of these is important to using CSS effectively.

Style Sheets:

Style sheets defined in the head section of the HTML document apply to the entire document in which they are located. Style sheets that exist as external files can be linked to Web documents using the href attribute of the <link> tag. The Web server software reads the linked style sheet when the page is requested, and the contents of the style sheet are inserted into the HTML stream before being sent to the browser.

This way, a single style sheet can be shared among a number of pages.

Why to Learn CSS?

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS is a MUST for students and working professionals to become a great Software Engineer especially when they are working in Web Development Domain. I will list down some of the key advantages of learning CSS:

Create Stunning Web site - CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, and variations in display for different devices and screen sizes as well as a variety of other effects.

Become a web designer - If you want to start a career as a professional web designer, HTML and CSS designing is a must skill.

Control web - CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

Learn other languages - Once you understand the basic of HTML and CSS then other related technologies like JavaScript, php, or angular are become easier to understand.

As mentioned before, CSS is one of the most widely used style language over the web. I'm going to list few of them here:

- **CSS saves time** - You can write CSS once and then reuse same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many Web pages as you want.
- **Pages load faster** - If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.
- **Easy maintenance** - To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.
- **Superior styles to HTML** - CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.
- **Multiple Device Compatibility** - Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.

- **Global web standards** - Now HTML attributes are being deprecated and it is being recommended to use CSS. So, it's a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.

3.3 JAVASCRIPT:

JavaScript is a lightweight, cross-platform, and interpreted scripting language. It is well-known for the development of web pages; many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments. JavaScript contains a standard library of objects, like Array, Date, and Math, and a core set of language elements like operators, control structures, and statements.

- **Client-side:** It supplies objects to control a browser and its Document Object Model (DOM). Like if client-side extensions allow an application to place elements on an HTML form and respond to user events such as mouse clicks, form input, and page navigation. Useful libraries for the client-side are AngularJS, ReactJS, VueJS and so many others.
- **Server-side:** It supplies objects relevant to running JavaScript on a server. Like if the server-side extensions allow an application to communicate with a database, and provide continuity of information from one invocation to another of the application, or perform file manipulations on a server. The useful framework which is the most famous these days is node.js.

JavaScript can be added to your HTML file in two ways:

- **Internal JS:** We can add JavaScript directly to our HTML file by writing the code inside the `<script>` tag. The `<script>` tag can either be placed inside the `<head>` or the `<body>` tag according to the requirement.
- **External JS:** We can write JavaScript code in other file having an extension .js and then link this file inside the `<head>` tag of the HTML file in which we want to add this code.

Why to Learn Javascript:

JavaScript is a MUST for students and working professionals to become a great Software Engineer especially when they are working in Web Development Domain.

I will list down some of the key advantages of learning JavaScript:

- JavaScript is the most popular programming language in the world and that makes it a programmer's great choice. Once you learnt JavaScript, it helps you developing great front-end as well as back-end software's using different JavaScript based frameworks like jQuery, Node.JS etc.
- JavaScript is everywhere, it comes installed on every modern web browser and so to learn JavaScript you really do not need any special environment setup.
For example, Chrome, Mozilla Firefox, Safari and every browser you know as of today, supports JavaScript.
- JavaScript helps you create really beautiful and crazy fast websites. You can develop your website with a console like look and feel and give your users the best Graphical User Experience.
- JavaScript usage has now extended to mobile app development, desktop app development, and game development. This opens many opportunities for you as JavaScript Programmer.
- Due to high demand, there is tons of job growth and high pay for those who know JavaScript. You can navigate over to different job sites to see what having JavaScript skills looks like in the job market.
- Great thing about JavaScript is that you will find tons of frameworks and Libraries already developed which can be used directly in your software development to reduce your time to market.

As mentioned before, **JavaScript** is one of the most widely used programming languages (Front-end as well as Back-end). It has its presence in almost every area of software development. I'm going to list few of them here:

- **Client-side validation** - This is really important to verify any user input before submitting it to the server and JavaScript plays an important role in validating those inputs at front-end itself.
- **Manipulating HTML Pages** - JavaScript helps in manipulating HTML page on the fly. This helps in adding and deleting any HTML tag very easily using JavaScript and modify your HTML to change its look and feel based on different devices and requirements.

- **User Notifications** - You can use JavaScript to raise dynamic pop-ups on the webpages to give different types of notifications to your website visitors.
- **Back-end Data Loading** - JavaScript provides Ajax library which helps in loading back-end data while you are doing some other processing. This really gives an amazing experience to your website visitors.
- **Presentations** - JavaScript also provides the facility of creating presentations which gives website look and feel. JavaScript provides RevealJS and BspokeJS libraries to build a web-based slide presentation.
- **Server Applications** - Node JS is built on Chrome's JavaScript runtime for building fast and scalable network applications. This is an event-based library which helps in developing very sophisticated server applications including Web Servers.

3.4 XAMPP:

XAMPP is an abbreviation where X stands for Cross-Platform, A stands for Apache, M stands for MySQL, and the Ps stand for PHP and Perl, respectively. It is an opensource package of web solutions that includes Apache distribution for many servers and command-line executables along with modules such as Apache server, Maria DB, PHP, and Perl.

XAMPP helps a local host or server to test its website and clients via computers and laptops before releasing it to the main server. It is a platform that furnishes a suitable environment to test and verify the working of projects based on Apache, Perl, MySQL database, and PHP through the system of the host itself. Among these technologies, Perl is a programming language used for web development, PHP is a backend scripting language, and Maria DB is the most vividly used database developed by MySQL. The detailed description of these components is given below.

Many other components are also part of this collection of software and are explained below.

1. **Cross-Platform**: Different local systems have different configurations of operating systems installed in it. The component of cross-platform has been included to increase the utility and audience for this package of Apache distributions. It supports various platforms such as packages of Windows, Linus, and MAC OS.
2. **Apache**: It is an HTTP a cross-platform web server. It is used worldwide for delivering web content. The server application has made free for installation and used for the community of developers under the aegis of Apache Software Foundation. The remote server of Apache delivers the requested files, images, and other documents to the user.
3. **Maria DB**: Originally, MySQL DBMS was a part of XAMPP, but now it has been replaced by MariaDB. It is one of the most widely used relational DBMS, developed by MySQL. It offers online services of data storage, manipulation, retrieval, arrangement, and deletion.
4. **PHP**: It is the backend scripting language primarily used for web development. PHP allows users to create dynamic websites and applications. It can be installed on every platform and supports a variety of database management systems. It was implemented using C language.

PHP stands for **Hypertext Processor**. It is said to be derived from Personal Home Page tools, which explains its simplicity and functionality.

5. **Perl**: It is a combination of two high-level dynamic languages, namely Perl 5 and Perl 6. Perl can be applied for finding solutions for problems based on system administration, web development, and networking. Perl allows its users to program dynamic web applications. It is very flexible and robust.
6. **phpMyAdmin**: It is a tool used for dealing with MariaDB. Its version 4.0.4 is currently being used in XAMPP. Administration of DBMS is its main role.
7. **OpenSSL**: It is the open-source implementation of the Secure Socket Layer

Protocol and Transport Layer Protocol. Presently version 0.9.8 is a part of
XAMPP.

8. **XAMPP Control Panel**: It is a panel that helps to operate and regulate upon other components of the XAMPP. Version 3.2.1 is the most recent update. A detailed description of the control panel will be done in the next section of the tutorial.
9. **Webalizer**: It is a Web Analytics software solution used for User logs and provide details about the usage.
10. **Mercury**: It is a mail transport system, and its latest version is 4.62. It is a mail server, which helps to manage the mails across the web.
11. **Tomcat**: Version 7.0.42 is currently being used in XAMPP. It is a servlet based on JAVA to provide JAVA functionalities.

3.5 Visual Studio Code:

Visual Studio is an **Integrated Development Environment (IDE)** developed by

Microsoft to develop GUI (Graphical User Interface), console, Web applications, web apps, mobile apps, cloud, and web services etc. With the help of this IDE, you can create managed code as well as native code. It uses the various platforms of Microsoft software development software like Windows store, Microsoft Silverlight, and Windows API etc. It is not a language specific IDE as you can use this to write code in C#, C++, VB (Visual Basic), Python, JavaScript, and many more languages. It provides support for 36 different programming languages. It is available for Windows as well as for mac OS.

Visual Studio Code combines the simplicity of a source code editor with powerful developer tooling, like IntelliSense code completion and debugging.

The code of the editor is completely Open Source, and there's no payment required to use it.

It uses Electron as its base, which enables it to be cross platform and work on Mac,

Windows and Linux. It's built using Node.js, and you can extend it using JavaScript (which makes it a win for all us JavaScript developers).

There are 3 editions of Microsoft Visual Studio as follows:

1. Community: It is a **free** version which is announced in 2014. All other editions are paid. This contains the features similar to Professional edition. Using this edition, any individual developer can develop their own free or paid apps like .Net applications, Web applications and many more. In an enterprise organization, this edition has some limitations. For example, if your organization have more than 250 PCs and having annual revenue greater than \$1 Million (US Dollars) then you are not permitted to use this edition. In a non-enterprise organization, up to five users can use this edition. Its main purpose is to provide the Ecosystem (Access to thousands of extensions) and Languages (You can code in C#, VB, F#, C++, HTML, JavaScript, Python etc.) support.

4. Enterprise: It is an integrated, end to end solution for teams of any size with the demanding quality and scale needs. Microsoft provides a 90-days free trial of this edition and after trial period user has to pay to continue using it. The main benefit of this edition is that it is highly scalable and deliver the high-quality software.

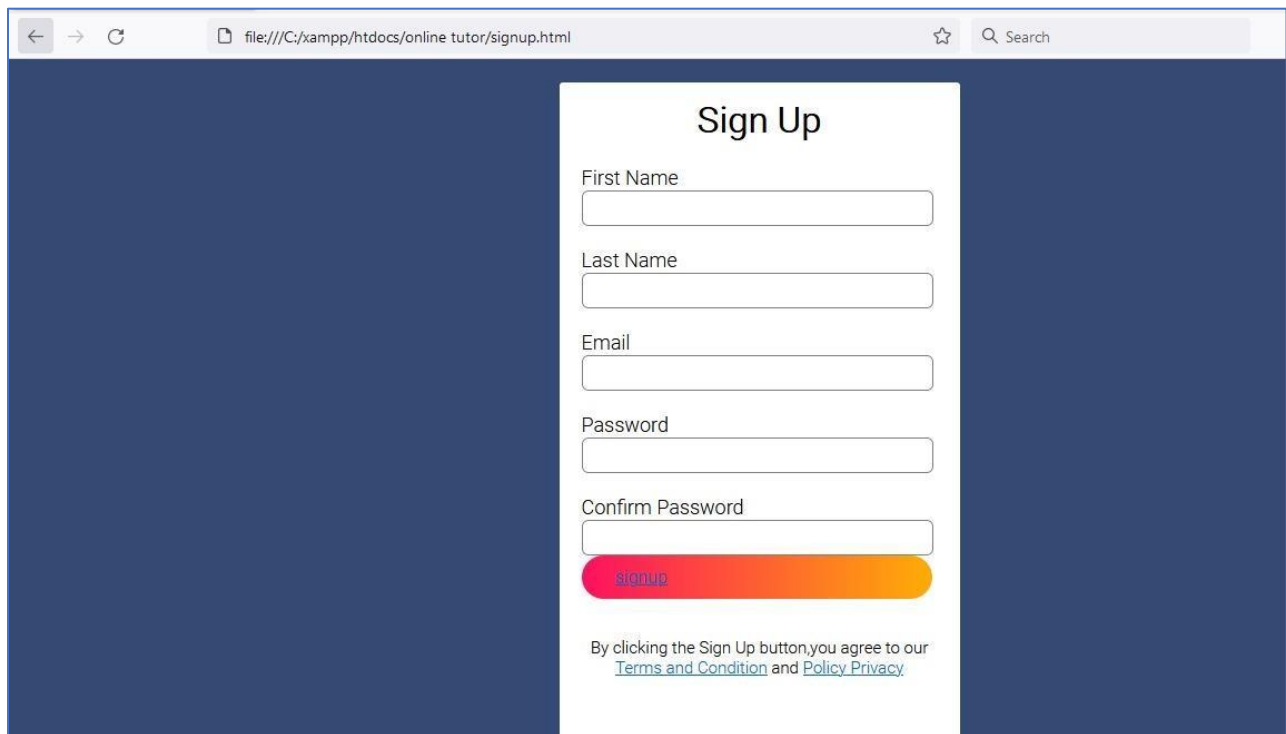
CHAPTER-4

WORKING OF PROJECT

The online tutor system has two main user classes. These include the students and tutors. This section will explain in detail all the features and the working of those for each user classes.

1. Signup Page:

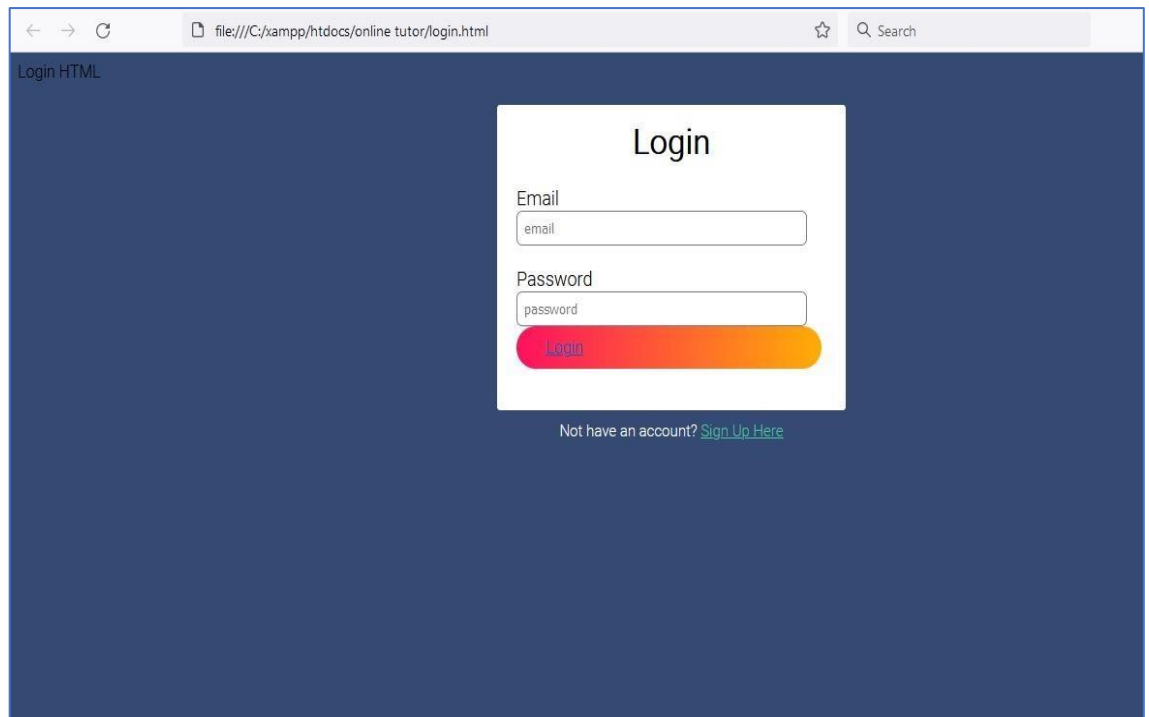
This page is the basic page of this website. You just need to create a user profile by signing in this page. You will get the details from this page to login in further.



The screenshot displays a web browser window with the address bar showing the file path: file:///C:/xampp/htdocs/online tutor/signup.html. The page content is centered on a dark blue background. The main heading is "Sign Up". Below the heading are five input fields: "First Name", "Last Name", "Email", "Password", and "Confirm Password". A prominent "SIGNUP" button with a red-to-orange gradient is positioned below the input fields. At the bottom of the form, there is a line of text: "By clicking the Sign Up button, you agree to our [Terms and Condition](#) and [Policy Privacy](#)".

2. Login Page:

This page is the entrance page of our website. Here you need to fill your email id with a password you received during signing in the sign page. After filling the details, you need to click on login button and you will redirect to the new page i.e., home page. You can also click on the “**Signup Here**” button for signing in for creating a new profile.



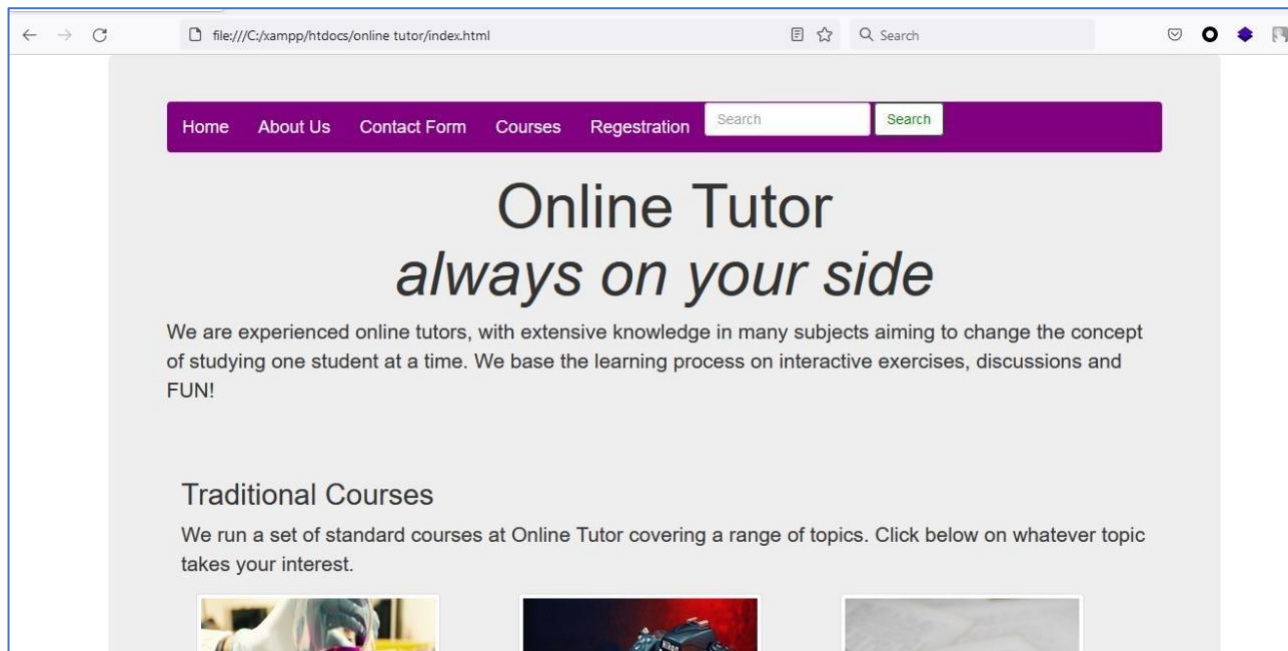
The screenshot shows a web browser window with the address bar displaying "file:///C:/xampp/htdocs/online tutor/login.html". The page title is "Login HTML". The main content is a white login form centered on a dark blue background. The form has the following elements:

- Login** (Title)
- Email** (Label) with an input field containing "email"
- Password** (Label) with an input field containing "password"
- Login** (Button) with a red-to-orange gradient
- Not have an account? [Sign Up Here](#)** (Text and link)

3. Homepage:

Basically, the homepage is the main page of our webpage. It consists of the layout which opens after the user's access the login page with all the required details in it.

Here we can see the list of the courses which the students can prefer to choose accordingly. We can see the summary of the courses with their name and logo above them. This page also consists of four icons in the icon bar i.e. About Us, Contact Form, courses and registration and students can also search the required courses of their requirement on the search box.



4. About US:

This page is basically all about the details and information about the tutors. The courses they are assigning and the description about their courses. Also, there is option for registering of new tutors for the tutoring.


We can even say that our webpage gives the platform or opportunity to the qualified persons to teach and show their performance also.

always on your side


We are experienced online tutors, with extensive knowledge in many subject areas and we are aiming to change the concept of studying one student at a time. We base our learning process on interactive exercises, discussions and FUN!

Register Send


Meet the tutors



Expert in science
— Sara



Expert in Programming
— Anh



Expert in teaching
— Muna

5. Contact Form:

This is the form page or contact page of our webpage. Here, the students who need to contact the tutors or ask any queries can fill the form with all the details on it like name, email address, course starting date and the courses you wish to study and here is given the address box where you can write any comments or queries you want to ask or if you want to contact.

Below you can get the option for register who can also sign in this online tutor directly from this page too. There are also the options for the register alternatively through Facebook, twitter etc.

Name




Email address

Select course start date

Select course

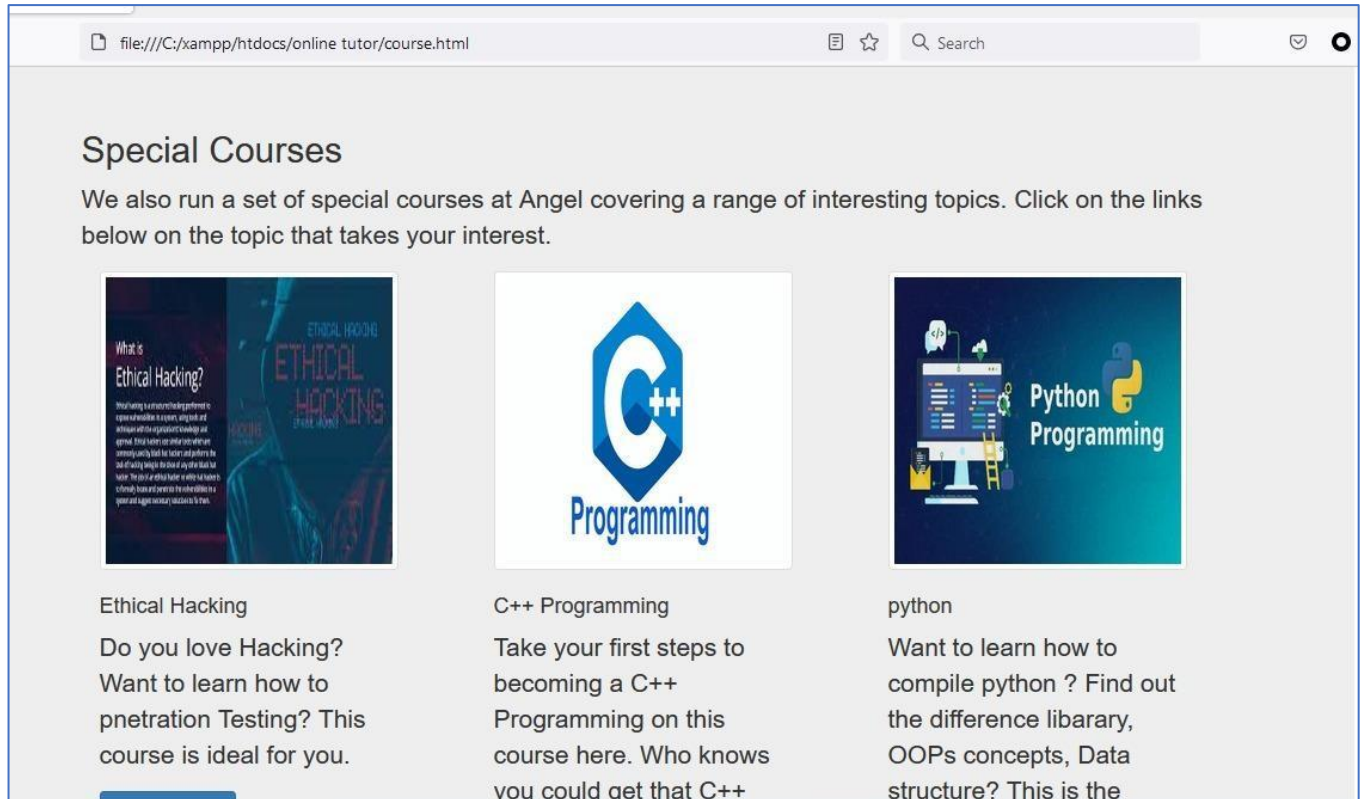
Any questions or comments? Tell us below.

Sign up and register for our newsletter

6. Courses:

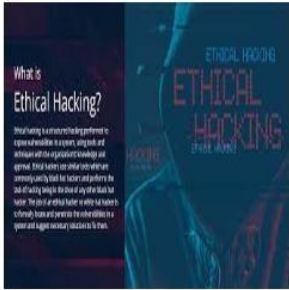


Here you will find the list of courses you want to study. It will be listed with the brief description regarding the courses. By clicking on those courses, you will be able to detail introduction of those courses.



The screenshot shows a web browser window with the address bar containing the file path: file:///C:/xampp/htdocs/online tutor/course.html. The page content is as follows:

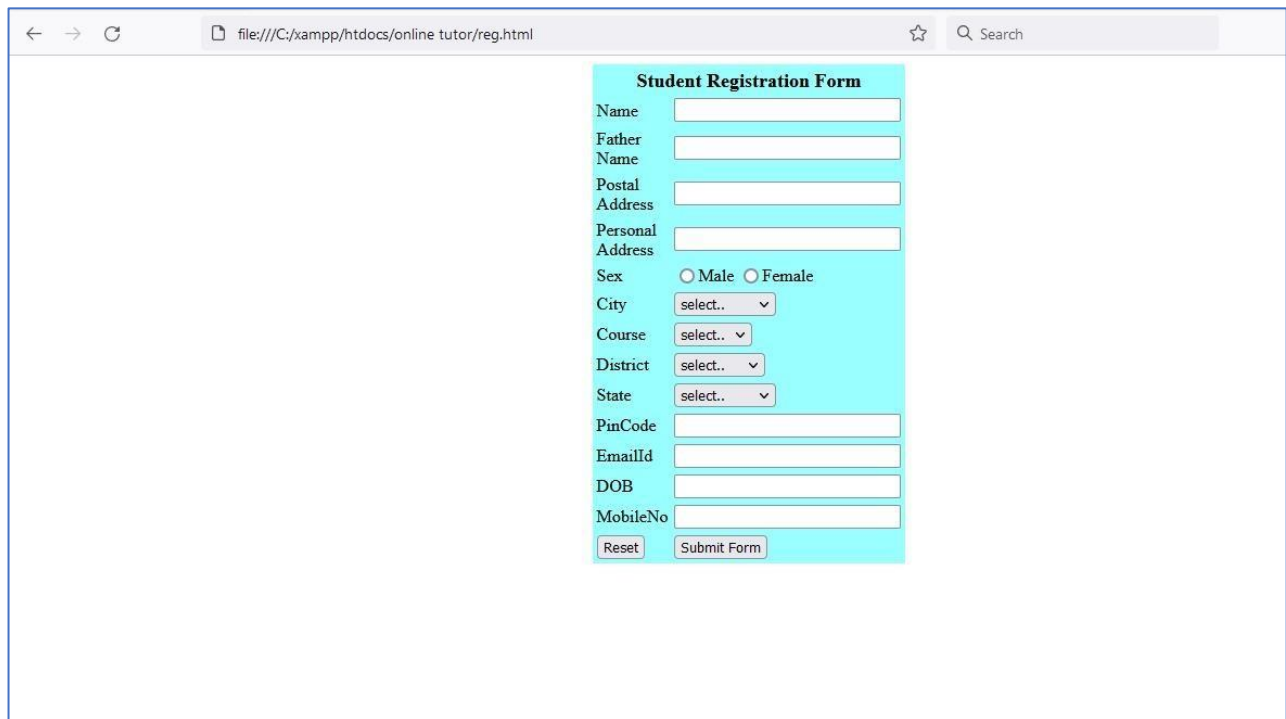
Special Courses

We also run a set of special courses at Angel covering a range of interesting topics. Click on the links below on the topic that takes your interest.

 <p>What is Ethical Hacking? Ethical Hacking is a profession that is concerned with exploring a system to discover its vulnerabilities and weaknesses with the help of their knowledge and skills. Ethical Hacking is a profession that is concerned with exploring a system to discover its vulnerabilities and weaknesses with the help of their knowledge and skills. Ethical Hacking is a profession that is concerned with exploring a system to discover its vulnerabilities and weaknesses with the help of their knowledge and skills.</p>	 <p>C++ Programming</p>	 <p>Python Programming</p>
<p>Ethical Hacking</p> <p>Do you love Hacking? Want to learn how to penetration Testing? This course is ideal for you.</p>	<p>C++ Programming</p> <p>Take your first steps to becoming a C++ Programming on this course here. Who knows you could get that C++</p>	<p>python</p> <p>Want to learn how to compile python ? Find out the difference library, OOPs concepts, Data structure? This is the</p>

7. Registration:

This is the page where students finally can register to enter the online tutoring system. You all need to do is to fill the all details required with proper and correct format and just click on submit form and the page will directly redirect to the server and it confirm and your registration for the courses will be completed. You can also reset the form by clicking on reset button.



The image shows a web browser window with a file path in the address bar: file:///C:/xampp/htdocs/online tutor/reg.html. The browser interface includes navigation arrows, a search bar, and a star icon. The main content is a 'Student Registration Form' with the following fields and controls:

- Name:
- Father Name:
- Postal Address:
- Personal Address:
- Sex: Male Female
- City:
- Course:
- District:
- State:
- PinCode:
- EmailId:
- DOB:
- MobileNo:
- Buttons:

Functionality of the Project:

Our project works under following processes:

1. At first, the students have to create a user profile by simply signing up in the sign-up page which includes details like first name, last name, email address, password and a confirmation password. After signing, the profile will be created and you will have to move further on login page.
2. After creating a profile, one need to login the page. For that the student has to login the page with the same id and password which they had used during signing up. A login page consists of two boxes, one for user id and another for password. You can also sign up your account by clicking “**Sign up HERE**” option in this page.
3. After logging in, a new page will open up named “**Home Page**” which is also the main page of our webpage. Here you can view the available list of courses with the description as a summary which you can explore further. You can also search the desired list of courses on the search box.
4. In home page, you will find “**About Us**”, “**Contact Form**”, “**Courses**” and “**Registration**” icons on icon bar at the top.
5. About us page is basically the details and introduction of tutors and the courses they assigned to. Students will be able to view their tutor information and their experiences on this page. They can also contact directly to their required tutor according to their courses as these pages contains the personal as well as qualification details about the tutors. Therefore, students will be able to connect with their tutor and clear the doubt they want.
6. If you had any queries or if you want to clear your doubt, you need to fill the form page further. For this, students need to fill a form page consisting name, email address, course starting date and the courses they want to study. You also can ask your query in the comment box. After you fill the form page, your detail will be saved and your questions will be redirect you in the text format. You can also be able to sign up through Facebook, twitter etc. in this page.

7. Now, if you want to know about the courses available, you just need to click on courses icon on home page and the course page will be opened. Here you can search all the courses that are registered on this site and you can choose accordingly on your preference. You can see the detailing of the list of the courses with some summary introduction about the course.
8. Finally, after exploring all the pages contained you now need to register the form to apply for the study of the courses you required. For this you just need to fill all the details required and click on the “Submit form” button then your application will be redirected to the server and your registration will be completed.

Code:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title> Homepage - Online tutors </title>
```

```
<link rel="stylesheet" href="css/bootstrap.min.css">
```

```
<link rel="stylesheet" href="css/stylesheet.css">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
</head>
```

```
<div class="container">
```

```
<div class="jumbotron">
```

```
<!-- As a link -->
```

```
<nav class="navbar fixed-top navbar-light bg-light" style="background-color: purple;">
```

```
<a class="navbar-brand" href="index.html" > Home </a>
```

```
<a class="navbar-brand" href="about.html"> About Us </a>
<a class="navbar-brand" href="form.html"> Contact Form </a>
<a class="navbar-brand" href="course.html"> Courses </a>
<a class="navbar-brand" href="reg.html"> Registration </a>
<form class="form-inline">
  <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
  <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
</form>
</nav>
```

```
<body>
```

```
<div class="text-center">
<h1> Online Tutor<br> <em> always on your side </em> </h1>
</div>
```

```
<p> We are experienced online tutors, with extensive knowledge in many subjects aiming to change the
concept of studying one student at a time.
```

```
We base the learning process on interactive exercises, discussions and FUN! </p>
```

```
<!-- Tab content -->
```

```
<br><div class="container"></br>
  <div class="row justify-content-md-center">
    <div class="col-sm-12">
      <div id="Standard courses" class="tabcontent">
        <h2>Traditional Courses</h2>
        <p>We run a set of standard courses at Online Tutor covering a range of topics. Click below on
whatever topic takes your interest. </p>
      </div>
    </div>
  </div>
</div>
```

```
<div class="row-sm-2">
  <div class="col-sm-4">
    <div class="card" style="width: 25rem;">
      
      <div class="card-body">
        <h4 class="card-title">Chemistry</h4>
        <p class="card-text"> From the foundations of thermodynamics to the world of polymer science.
You'll learn everything you need to here. </p>
        <a href="#" class="btn btn-primary">Find out more</a>
      </div>
    </div>
  </div>
</div>
```

```
<div class="col-sm-4">
  <div class="card" style="width: 25rem;">
    
    <div class="card-body">
      <h4 class="card-title">Physics</h4>
      <p class="card-text"> Want to be the next Sheldon Cooper or Einstein? This course could just
may be help get you there. Click below to find out more.</p>
      <a href="#" class="btn btn-primary">Find out more</a>
    </div>
  </div>
</div>
```

```
<div class="col-sm-4">
  <div class="card" style="width: 25rem;">
    
    <div class="card-body">
      <h4 class="card-title">Biology</h4>
```

```
<p class="card-text"> Learn more about the fascinating human physiology here. This course also covers plant and cell biology. </p>
```

```
<a href="#" class="btn btn-primary">Find out more</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<br><div class="container"></br>
```

```
<div class="row justify-content-md-center">
```

```
<div class="col-sm-12">
```

```
<div id="Special courses" class="tabcontent">
```

```
<h2>Special Courses</h2>
```

```
<p>We also run a set of special courses at Angel covering a range of interesting topics. Click on the links below on the topic that takes your interest.</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-sm-4">
```

```
<div class="card" style="width: 25rem;">
```

```

```

```
<div class="card-body">
```

```
<h4 class="card-title">Ethical Hacking</h4>
```

```
<p class="card-text"> Do you love Hacking? Want to learn how to pnetration Testing? This course is ideal for you. </p>
```

```
<a href="#" class="btn btn-primary">Find out more</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-sm-4">
<div class="card" style="width: 25rem;">
  
  <div class="card-body">
    <h4 class="card-title">C++ Programming</h4>
    <p class="card-text"> Take your first steps to becoming a C++ Programming on this course here.
Who knows you could get that C++ programming language. </p>
    <a href="#" class="btn btn-primary">Find out more</a>
  </div>
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-sm-4">
<div class="card" style="width: 25rem;">
  
  <div class="card-body">
    <h4 class="card-title">python</h4>
    <p class="card-text"> Want to learn how to compile python ? Find out the difference library,
OOPs concepts, Data structure? This is the course for you! </p>
    <a href="#" class="btn btn-primary">Find out more</a>
  </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<br><div class="container"></br>
```

```
<form role="form">
```

```
<div class="text-center">
<label for="email">Sign up and register your interest</label>
<input type="text" name="email" >
<button type="submit">Send</button>
</form>
```

```
<h2><br>What are people saying?</h2><br>
```

```
<div>
  <div class="col-sm-4">
    
    <blockquote>
      <p>"The tutors here are fantastic!"</p>
      <small> Joe Bloggs </small>
    </blockquote>
  </div>

  <div class="col-sm-4">
    <img class="img-circle" <img src='images/josephinabloggina.jpg'>
    <blockquote>
      <p>"They make the subjects seem so easy and fun to learn"</p>
      <small> Josephina Bloggina </small>
    </blockquote>
  </div>

  <div class="col-sm-4">
    <img class="img-circle" <img src='images/jackbloggsy.jpg'>
    <blockquote>
      <p> "I signed up to the science course and have not regretted it! " </p>
      <small> Jack Bloggsy </small>
    </blockquote>
```

```
</div>
```

```
<div id="social-buttons">
```

```
<!-- Add icon library -->
```

```
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
<!-- Add font awesome icons -->
```

```
<a href="#" class="fa fa-facebook"></a>
```

```
<a href="#" class="fa fa-twitter"></a>
```

```
<button style="font-size:30px"> <i class="fa fa-pinterest"></i></button>
```

```
</body>
```

```
</div>
```

```
</html>
```

Sign-up:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<title>Sign Up </title>
```

```
<link rel="stylesheet" href="style.css" />
```

```
<link
```

```
href="https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=swap"
rel="stylesheet"
```

```
/>
```

```
</head>
```

```
<body>
```

```
<div class="signup-box">
```

```
<h1>Sign Up</h1>
```

```
<form>
```



```

<label>First Name</label>
<input type="text" placeholder="" />
<label>Last Name</label>
<input type="text" placeholder="" />
<label>Email</label>
<input type="email" placeholder="" />
<label>Password</label>
<input type="password" placeholder="" />
<label>Confirm Password</label>
<input type="password" placeholder="" />
<a href="index.html" button type="submit" class="submit-btn">signup
</a>
</form>
<p>
  By clicking the Sign Up button,you agree to our <br />
  <a href="#">Terms and Condition</a> and <a href="#">Policy Privacy</a>
</p>
</div>
<p class="para-2">
  Already have an account? <a href="login.html">Login here</a>
</p>
</body>
</html>

```

Login:

Login HTML

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Login</title>

```

```

<link rel="stylesheet" href="style.css" />
<link
  href="https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=swap"
  rel="stylesheet"
/>
</head>
<body>
  <div class="login-box">
    <h1>Login</h1>
    <form>
      <label>Email</label>
      <input type="email" placeholder="email" required />
      <label>Password</label>
      <input type="password" placeholder="password" required/>
      <a href="index.html" button type="submit" class="submit-btn">Login
    </a>
    </form>
  </div>
  <p class="para-2">
    Not have an account? <a href="signup.html">Sign Up Here</a>
  </p>

</body>
</html>

```

Form:

```

<html>

<head>
<title> About Online Tutor </title>
<link rel="stylesheet" href="css/bootstrap.min.css">

```

```

<link rel="stylesheet" href="css/stylesheet.css">
<meta name="viewport" content="width=device-width,initial-scale=1">

</head>

<div class="container">
<div class="jumbotron">

  <!-- As a link -->
<nav class="navbar fixed-top navbar-light bg-light" style="background-color: purple;">
  <a class="navbar-brand" href="index.html"> Home </a>
  <a class="navbar-brand" href="about.html"> About Us </a>
  <a class="navbar-brand" href="form.html"> Contact Form </a>
  <a class="navbar-brand" href="course.html"> Courses </a>
  <a class="navbar-brand" href="reg.html"> Regestration </a>
  <form class="form-inline">
    <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
    <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
  </form>
</nav>

<div class="text-center">
<h1> Online Tutoring<br> <em> - always on your side </em> </h1>
</div>

<body>

<form>
  <div class="form-group">

```

```
<label for="FormControlInput1">Name</label>
<input type="Name" class="form-control" id="FormControlInput1" placeholder="Name">
<label for="exampleFormControlInput1">Email address</label>
<input type="email" class="form-control" id="FormControlInput1"
placeholder="name@example.com">
</div>
```

```
<div class="form-group">
<label for="FormControlSelect1">Select course start date</label>
<select class="form-control" id="FormControlSelect1">
<option>Jan-Feb 2021</option>
<option>Mar-Apr 2021</option>
<option>May-Jun 2021</option>
<option>Jul-Aug 2021</option>
<option>Sep-Oct 2021</option>
</select>
</div>
```

```
<div class="form-group">
<label for="FormControlSelect2">Select course</label>
<select multiple class="form-control" id="FormControlSelect2">
<option>Chemistry</option>
<option>Physics</option>
<option>Biology</option>
<option>Ethical Hacking</option>
<option>C++ Programing</option>
<option>Python Programing</option>
</select>
</div>
```

```
<div class="form-group">
<label for="FormControlTextarea1">Any questions or comments? Tell us below.</label>
<textarea class="form-control" id="FormControlTextarea1" rows="3"></textarea>
</div>
```

```
</form>
```

```
<form role="form">
```

```
  <div class="text-center">
```

```
    <label for="email">Sign up and register for our newsletter</label>
```

```
    <input type="text" name="email" >
```

```
    <button type="submit">Send</button>
```

```
  </div>
```

```
</form>
```

```
<br>
```

```
  <div id="social-bottoms">
```

```
    <!-- Add icon library -->
```

```
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
    <!-- Add font awesome icons -->
```

```
    <a href="#" class="fa fa-facebook"></a>
```

```
    <a href="#" class="fa fa-twitter"></a>
```

```
    <button style="font-size:38px"> <i class="fa fa-pinterest"></i></button>
```

```
  </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<script src="js/jquery-3.2.1.min.js"></script>
```

```
</body>
```

```
</div>
```

```
</html>
```

Course:

```
<!DOCTYPE html><!DOCTYPE html>
```

```
<html>
```

```

<head>
  <title>Courses</title>
  <link rel="stylesheet" href="css/bootstrap.min.css">
  <link rel="stylesheet" href="css/stylesheet.css">
  <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<div class="container">
  <div class="jumbotron">

    <!-- As a link -->
    <nav class="navbar fixed-top navbar-light bg-light" style="background-color: purple;">
      <a class="navbar-brand" href="index.html"> Home </a>
      <a class="navbar-brand" href="about.html"> About Us </a>
      <a class="navbar-brand" href="form.html"> Contact Form </a>
      <a class="navbar-brand" href="course.html"> Courses </a>
      <a class="navbar-brand" href="reg.html"> Regestration </a>
      <form class="form-inline">
        <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
        <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
      </form>
    </nav>

  </div>
</div>
<body>
  <div class="container"></br>
  <div class="row justify-content-md-center">
  <div class="col-sm-12">
    <div id="Standard courses" class="tabcontent">
      <h2>Traditional Courses</h2>
      <p>We run a set of standard courses at Online Tutor covering a range of topics. Click below on
whatever topic takes your interest. </p>
    </div>

```

```
</div>
```

```
</div>
```

```
<div class="row-sm-2">
```

```
<div class="col-sm-4">
```

```
<div class="card" style="width: 25rem;">
```

```

```

```
<div class="card-body">
```

```
<h4 class="card-title">Chemistry</h4>
```

```
<p class="card-text"> From the foundations of thermodynamics to the world of polymer science. You'll learn everything you need to here. </p>
```

```
<a href="#" class="btn btn-primary">Find out more</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-sm-4">
```

```
<div class="card" style="width: 25rem;">
```

```

```

```
<div class="card-body">
```

```
<h4 class="card-title">Physics</h4>
```

```
<p class="card-text"> Want to be the next Sheldon Cooper or Einstein? This course could just maybe help get you there. Click below to find out more.</p>
```

```
<a href="#" class="btn btn-primary">Find out more</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-sm-4">
```

```
<div class="card" style="width: 25rem;">
```

```

```

```
<div class="card-body">
  <h4 class="card-title">Biology</h4>
  <p class="card-text"> Learn more about the fascinating human physiology here. This course
also covers plant and cell biology. </p>
  <a href="#" class="btn btn-primary">Find out more</a>
</div>
```

```
</div>
</div>
</div>
</div>
```

```
<br><div class="container"></br>
  <div class="row justify-content-md-center">
  <div class="col-sm-12">
    <div id="Special courses" class="tabcontent">
      <h2>Special Courses</h2>
      <p>We also run a set of special courses at Angel covering a range of interesting topics.
Click on the links below on the topic that takes your interest.</p>
```

```
</div>
</div>
</div>
```

```
<div class="col-sm-4">
  <div class="card" style="width: 25rem;">
    
    <div class="card-body">
      <h4 class="card-title">Ethical Hacking</h4>
      <p class="card-text"> Do you love Hacking? Want to learn how to penetration Testing? This
course is ideal for you. </p>
      <a href="#" class="btn btn-primary">Find out more</a>
    </div>
  </div>
```



```

</div>

<div class="col-sm-4">
<div class="card" style="width: 25rem;">
  
  <div class="card-body">
    <h4 class="card-title">C++ Programming</h4>
    <p class="card-text"> Take your first steps to becoming a C++ Programming on this course
here. Who knows you could get that C++ programming language. </p>
    <a href="#" class="btn btn-primary">Find out more</a>
  </div>
</div>
</div>
</div>

<div class="col-sm-4">
<div class="card" style="width: 25rem;">
  
  <div class="card-body">
    <h4 class="card-title">python</h4>
    <p class="card-text"> Want to learn how to compile python ? Find out the difference
library, OOPs concepts, Data structure? This is the course for you! </p>
    <a href="#" class="btn btn-primary">Find out more</a>
  </div>
</div>
</div>
</div>
</body>
</html>
About:

<!DOCTYPE html>

```

```

<html>

<head>
<title> About online Tutor </title>
<link rel="stylesheet" href="css/bootstrap.min.css">
<link rel="stylesheet" href="css/stylesheet.css">
<meta name="viewport" content="width=device-width, initial-scale=1">

</head>

<div class="container">
<div class="jumbotron">

    <!-- As a link -->
<nav class="navbar fixed-top navbar-light bg-light" style="background-color: purple;">
    <a class="navbar-brand" href="index.html"> Home </a>
    <a class="navbar-brand" href="about.html"> About Us </a>
    <a class="navbar-brand" href="form.html"> Contact Form </a>
    <a class="navbar-brand" href="course.html"> Courses </a>
    <a class="navbar-brand" href="reg.html"> Registration </a>
    <form class="form-inline">
        <input class="form-control mr-sm-2" type="search" placeholder="Search" aria-label="Search">
        <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Search</button>
    </form>
</nav>

<body>

<div class="text-center">

```

```
<h1> Online Tutoring<br><em> - always on your side </em> </br></h1>
</div>
```

```
<p> We are experienced online tutors, with extensive knowledge in many subject areas and we are aiming
to change the concept of studying one student at a time.
```

```
We base our learning process on interactive exercises, discussions and FUN! </p>
```

```
<br><div class="container">
<div class="text-center"></br>
<form role="form">
  <label for="email">Register</label>
  <input type="text" name="email" >
  <button type="submit">Send</button>
</form>
```

```
<div class="container">
  <h2><br> Meet the tutors </h2></br>
  <div>
    <div class="col-sm-4">
      <img class="img-circle">
      <blockquote>
        <p> Expert in science </p>
        <small> Sara </small>
      </blockquote>
    </div>
```

```
<div class="col-sm-4">
  <img class="img-circle">
  <blockquote>
    <p> Expert in Programming </p>
    <small> Anh </small>
  </blockquote>
```

```
</div>
```

```
<div class="col-sm-4">
```

```
  
```

```
  <blockquote>
```

```
    <p> Expert in teaching </p>
```

```
    <small> Muna </small>
```

```
  </blockquote>
```

```
</div>
```

```
<div id="social-buttons">
```

```
  <br>
```

```
  <br>
```

```
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
```

```
  <!-- Add font awesome icons -->
```

```
  <a href="#" class="fa fa-facebook"></a>
```

```
  <a href="#" class="fa fa-twitter"></a>
```

```
  <button style="font-size:38px"> <i class="fa fa-pinterest"></i></button>
```

```
  </br>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<script src="js/jquery-3.2.1.min.js"></script>
```

```
</body>
```

```
</div>
```

```
</html>
```

CHAPTER 5

RESULT AND DISCUSSION:

The results are presented from the elements which have some bearing on the online TPI procedure. This TPI model is the result of all the design and development stages in this research and, therefore, of the information collected with regard to the systematic literature review, of the work group for the collaborative construction of this procedure, of the virtual discussion group with trainee researchers, of the consultation with pairs of tutors and trainee researchers during the final stage of the project, and with tutors who had experience in online supervision, and of the actual implementation of this procedure. All the results were integrated into the TPI model which is represented by means of a conceptual map for the purpose of facilitating the comprehension of this procedure as well as the navigation through its contents, identifying:

TPI elements: the project tutor (skills, supervision styles and functions); the trainee researcher, his/her needs and the skills that they need to assimilate; and the support and interaction both between them and with the other partners.

The elements that influence a project when it comes to achieving success and the elements which are necessary in a virtual environment for TPI.

The tutor's functions: The result of an evolution from the literature review to the collaborative work carried out with the group becomes visible here: the functions attributed to tutors have increased in number; they are distributed according to the character and the moment in which they are displayed, and a high degree of specification is achieved. One can see the vision of tutors about their role in TPI as formation or training in research; it is worth highlighting that all tutors believe that they provide training to trainee researchers.

Besides, the result are obtained as the participation of the students who wants to engage with this tutor site in very efficient and effective manner. The tutors who are applicant are given a good training to use the site and only highly experienced tutors with be qualified further. They will be able to publish about their courses and fee details and contact the interested students directly.

As well as, the students who want to find their best tutor according to their required courses can contact through contact form given in the site and this process continues and this how the page runs.

CHAPTER 6

CONCLUSION AND FUTURE SCOPE:

CONCLUSION:

My conclusion is that online tutoring can be an excellent teaching tool as long as the student and tutor have come together with serious intentions and are both prepared. In summary, online tutoring has a lot to offer, from convenience, flexibility, and reduced costs to a wider range of learning materials, fast feedback, and higher retention rates. Is it more effective than the traditional learning approach? In a lot of ways, yes, but not entirely.

Whilst the physical presence of a tutor plays a huge role in the learning process, highly effective online platforms such as Zoom and Group world mean that 1-1 online tutoring lessons can feel almost like having an in-person tutoring lesson. With self-discipline and a good sense of responsibility, a student can benefit tremendously from online learning.

In culmination, a comparative study between classroom study and online study was carried out. The study was done by examining the findings recorded in books and journals on the applicability online learning to students. The study revealed that, online learning has many benefits as compared to the conventional learning in the classroom environment.

Though online learning has several challenges such as lack of feedback from students and lack of the proper technology to effectively conduct online learning, these limitations can be overcome by upgrading the E-Learning systems and the use of online discussion forums and new web based software's.

In conclusion, online learning is beneficial to the students, tutors and the site offering these courses. I would therefore recommend that online learning or tutoring be implemented on all learning institutions and research on how to improve this learning process should be carried out.

FUTURE SCOPE:

Here are 12 likely aspects of the future of our online tutor:

1. Group tutoring via video conferencing
2. One on one tutoring via video conferencing
3. Aggregation by major subject area or target market (i.e. age)
4. Flipped classroom style content (created by company or shared in an online platform and/or borrowed from)
5. Perhaps some form of certification for tutors.
6. Probably reviews of some sort (think Yelp, Google Reviews)
7. Also various forms of tutoring which help schools meet their legal responsibilities to specific target audiences.
8. Tutoring specific to Common Core requirements. (see also flipped classroom)
9. Perhaps digital tutoring as a service to private schools and/or charter schools (or flipped classroom content that is for advanced students or advanced skills or to meet the common core or niche like language-based content)
10. Personalization (either mass customization or student as snowflake)
11. Probably fairly data-centric
12. Perhaps supplemented by iPad & laptop friendly content. Likely video content.
13. Finding more qualified international level tutors who can give high level education.

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