A Project/Dissertation Review Report

on

EASY RIDE - CARPOOLING

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

BACHELOR OF TECHNOLOGY

Under The Supervision
of

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TF

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

GALGOTIAS UNIVERSITY, GREATER NOIDA, INDIA (11-10-2021)

CANDIDATE'S DECLARATION

We hereby certify that the work which is being presented in the project, entitled **"Easy Ride - Carpooling"** in partial fulfillment 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. Michael Raj TF, Associate 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 us for the award of any other degree of this or any other places.

18SCSE1120030 – VARUN VISHWAKARMA

18SCSE1050045 – MUKUND MOONA

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

Supervisor

(Dr. Michael Raj TF, Associate Professor)

<u>CERTIFICATE</u>

The Final Project Viva-Voce examination of **18SCSE1050045 – MUKUND MOONA,
18SCSE1120030 – VARUN VISHWAKARMA** has been held on _____ and
their 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:

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ABSTRACT

This project "Easy Ride" will be used for online carpooling. It will allow customer to view there pick up point to destination point route and details of car. Now, this is only Delhi local, in future, we will cover all states, cities in India. Carpooling is when two or more persons share a ride in one of their personal cars. Carpooling reduces pollution since we have fewer cars on the road. It's also economic since the travel expenses are shared among the riders.

This project will help to finding people to share a ride and find a person going to the same place as you at a same time. This project is helpful in carpooling online anywhere around the Delhi. Can be used by anyone who wants to give a ride or take a ride through online. People can interact with business at any hour of the day being convenient

There are various advantages of this project such as:

• Reduce traffic from the road which is a very serious problem now days

• Reduce Pollution which is dangerous to our health.

As a software developer or as a programmer, we are expected to designing and develop every program that works correctly, efficiently and at the same time is easy to be used by any person who may or may not be well versed with the computer and its capabilities. It uses HTML,CSS,JAVASCRIPT in front-end while PHP at back-end. For database we are using relational database management system called MYSQL.

This project is helpful in carpooling online anywhere around the Delhi. Can be used by anyone who wants to give a ride or take a ride through online. People can interact with business at any hour of the day being convenient.

The objective of the proposed software is:-

• To keep records of User, Booking etc.

• It provides very efficient way forgive or take a ride through online.

INTRODUCTION

This project is helpful in carpooling online anywhere around the Delhi. It can be used by anyone who wants to give a ride or take a ride through online. This project will help to finding people to share a ride and find a person going to the same place as you at a same time . People can interact with business at any hour of the day being convenient. According to Environment Canada, air pollution caused by vehicular travel is linked to a number of health concerns including respiratory diseases, cardiovascular disease, allergies and neurological effects. By carpooling, you help reduce these health risks for yourself and everyone else. Research also suggests that carpooling is less stressful than commuting alone.

Carpooling offers a commuter option that may work better than other methods of transportation. Carpooling works best for people who live where transit service may be limited or non-existent and compared to other options, carpooling may better fit your schedule.

There are various advantages of this project such as:

• Reduce traffic from the road which is a very serious problem now days.

• Reduce Pollution which is dangerous to our health.

• Save the money as well

• It's a very use in odd-even rule time.

• Anyone who want to start giving a ride. They can provide the all details (like car number, RC, etc.) on Internet using Easy Ride (Carpooling).

FORMULATION OF PROBLEM

Problem identification is very first step of system analysis. The analyst meets with the customer and the end user. Here customers are the marketing persons and end-user are people .

In this step, we are interested to understand the product's objective and also defined the goals for fulfilling the requirement according to the objective. After identifying overall goals, we moved towards evaluation of supplementary information during preliminary investigation. We also focused on "Does the technology exit to build the system?" and "What bounds have been placed on costs and schedule?"

 To perform it we scanned followings:

- ❖ The performance of the system
- ❖ The information being supplied and its form
- ❖ The economy of processing
- ❖ The control of the information processing
- ❖ The efficiency of the existing system
- ❖ The security of the data &

TECHNOLOGY USED

HTML

HTML (Hypertext Markup Language) is the predominant markup language for web pages. It provides a means to describe the structure of text-based information in a document by denoting certain text as headings, paragraphs, lists, and so on and to supplement that text with interactive forms, embedded images, and other objects. HTML is written in the form of labels (known as tags), surrounded by angle brackets. Advantages of HTM are:-

• A HTML document is small and hence easy to send over the net. It is small because it does not include formatted information.

• HTML is platform independent.

• HTML tags are not case-sensitive.

JAVASCRIPT

JavaScript is a script-based programming language that was developed by Netscape Communication Corporation. JavaScript was originally called Live Script and renamed as JavaScript to indicate its relationship with Java. JavaScript supports the development of both client and server components of Web-based applications. On the client side, it can be used to write programs that are executed by a Web browser within the context of a Web page. On the server side, it can be used to write Web server programs that can process information submitted by a Web browser and then update the browser's display accordingly.

CSS

Cascading Style Sheets (CSS) is a style sheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media

PHP

 PHP is a server-side scripting language designed specifically for web development. PHP can be easily embedded in HTML files and HTML codes can also be written in a PHP file. The thing that differentiates PHP with client-side language like HTML is, PHP codes are executed on the server whereas HTML codes are directly rendered on the browser.

MySQL

 MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications. The most common use for MySQL however, is for the purpose of a web database.

LITERATURE SURVEY

Traffic congestion and air pollution have become major public issues in metropolitan areas. Faced with inadequate financial resources for major transportation improvements, and often with environmental constraints that preclude major improvements, public decision-makers are increasingly turning toward strategies that attempt to reduce congestion and air pollution by managing" travel demand.

Carpooling system is used in many countries like China 77% had heard of carpooling and 16% was used. After this survey they did attitudinal questions
towards carpooling, then survey was interested in carpooling were 62% and 38% were not interested. They used many means to come in contact with
people like Newspapers, Internet, Friends, Colleagues, and Radios. These all means were used for people to get carpooling information.

Did you know that here in Maharashtra State, petroleum used for transportation is the number one source of air toxins and greenhouse gas emissions, a major contributor to global warming? Each of us can reduce our impact on the
environment. Think about it – every time two people share a ride, they're helping to reduce emissions from cars by half! Reducing vehicle emissions helps
combat global warming, improves air quality and has positive effects on public health. And who hasn't been stuck in traffic recently? The World watch
Institute found that the average Maharashtra adult now spends 72 minutes per day behind the wheel, often alone. Carpooling cuts down on congestion, which cuts travel time. This project "EASY RIDE" helps to carpooling and helps to save time on roads as well as save this environment from harmful gases.

DATA FLOW DIAGRAM

Data flow diagrams are widely used for modeling for requirements. DFDs show the flow of data through a system. The DFD is also known as a data flow graph or a bubble chart.

Standard symbol used for DFD

1.DATA FLOW
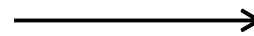
It is used to connect processes to each other, to sources or sinks, the arrowhead indication the direction of data flow.

2.PROCESS
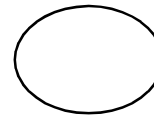
It is used to represent some transformation of input data to yield output data.
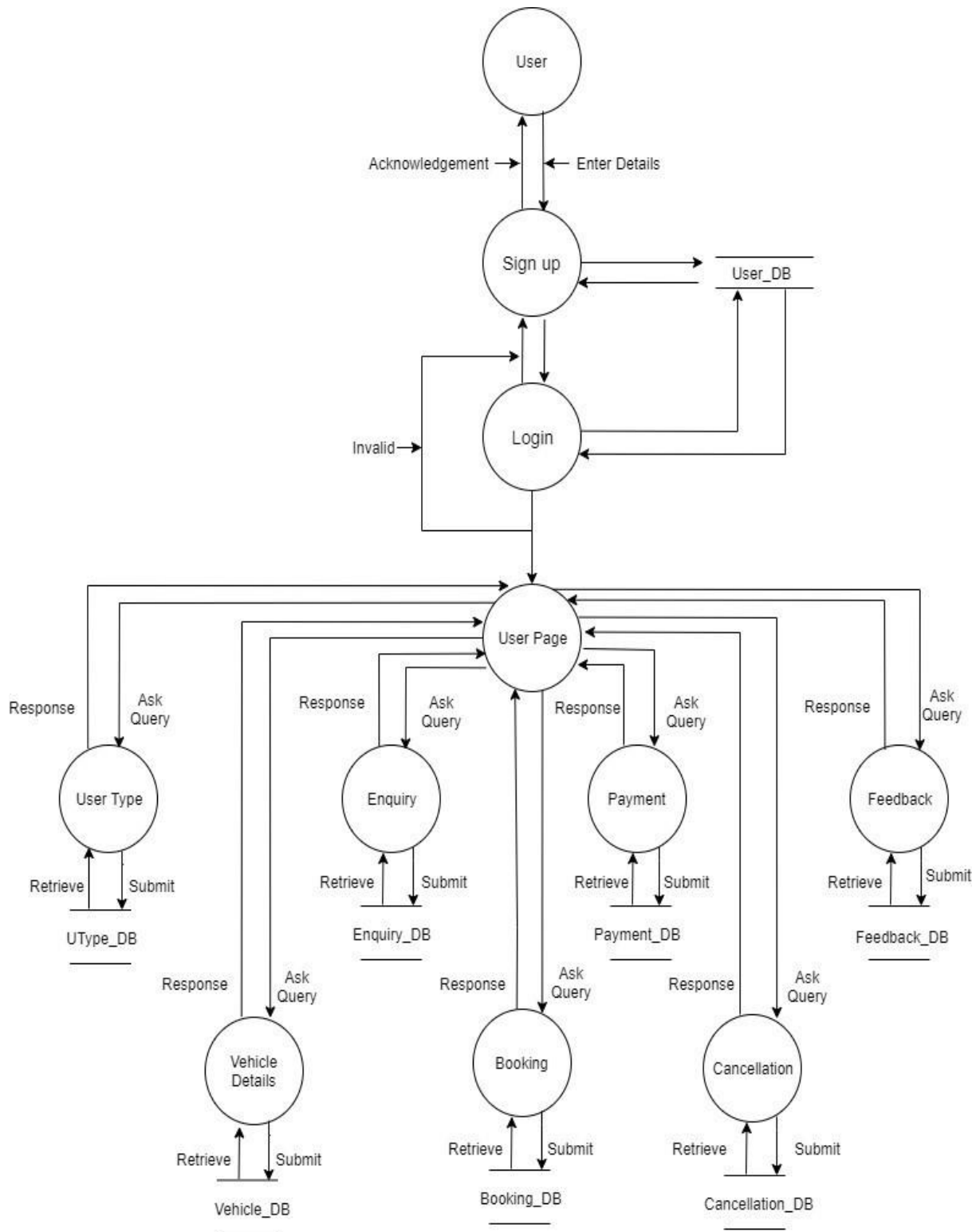
3.SOURCE

A source of system input or sinks of system outputs.

4.DATA SOURCE

It is used for repository of data. The arrowheads indicate net inputs and net outputs.

User's 1ˢᵗ Level DFD

E-R diagram

An Entity-Relationship (ER) Diagram is a specialized graphic that illustrates the interrelationships between entities in a database. ER diagrams often use symbols to represent three different types of information. Boxes are commonly used to represent entities. Diamonds are normally used to represent relationships and ovals are used to represent attributes. If the application is primarily a database application, the entity-relationship approach can be used effectively for modeling some parts of the problem. The main focus in ER modeling is the Data Items in the system and the relationship between them. It aims to create conceptual scheme for the Data from the user's perspective. The model thus created is independent of any models are:
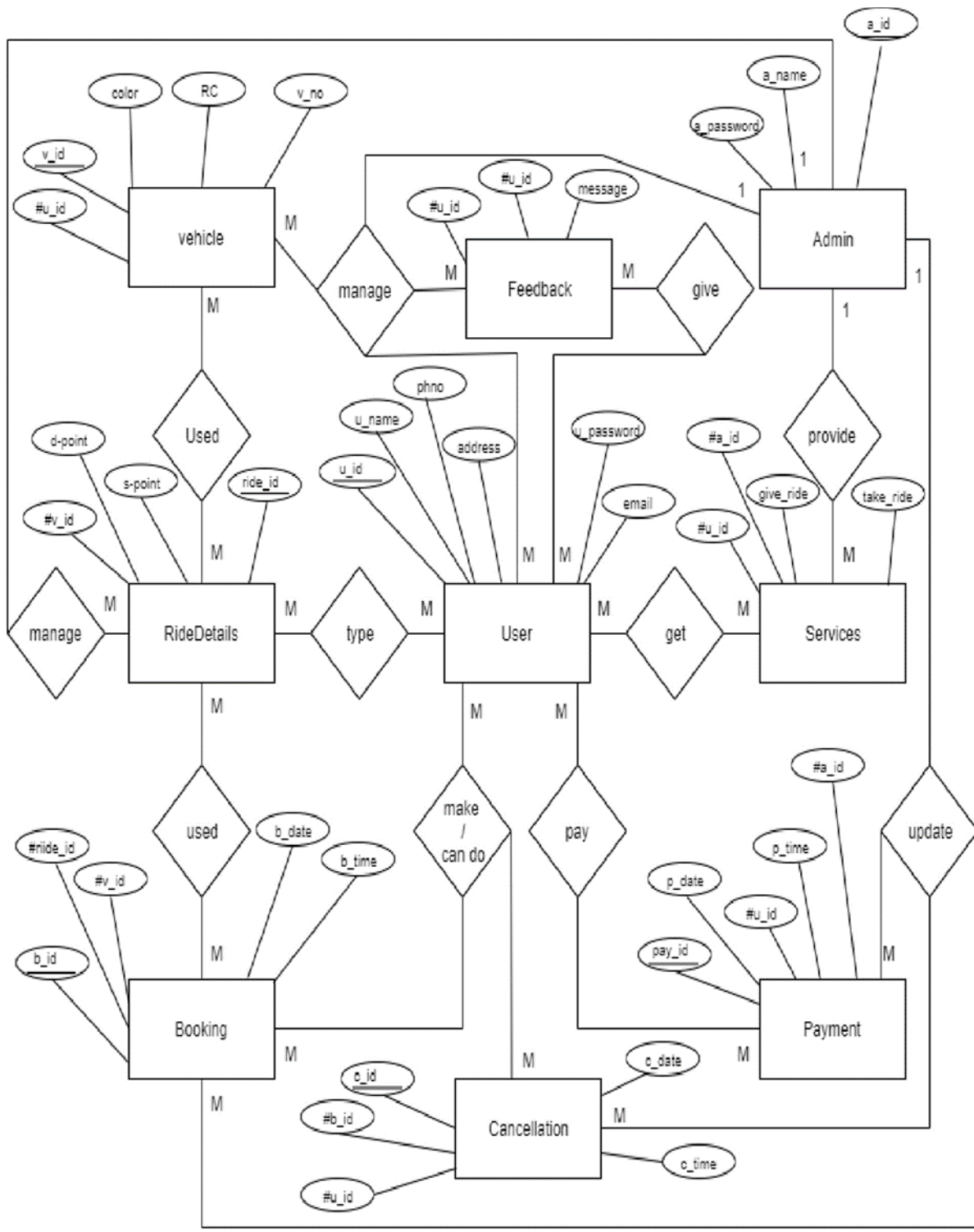
Symbols used in E-R diagram

Entity box

This box contains a particular Entity, which may be any object of real world or hypothetical object.

Attribute symbol

This symbol is used or defining the attributes of a particular entity.

Diagonal symbol

This symbol is used to establish relationship among various departments or clients, which may also have, attribute

Tables

Attribute	Data type	Description	Keys
u_id	Varchar(20)	Id of the user	Primary key
u_name	Char	Name of the user	not null
u_password	varchar(15)	Password of the user	not null
Address	varchar(100)	Address of the user	not null
Phno	integer(12)	Phone number of the user	not null
Email	varchar(30)	Email id of the user	not null

Admin

Attribute	Data type	Description	Keys
a_id	varchar(20)	Id of the admin	Primary key
a_name	Char	Name of the user	not null
a_password	varchar(15)	Password of the admin	not null

Services

Attribute	Data type	Description	Keys
u_id	varchar(20)	Id of the user	Foreign key
a_id	Varchar(25)	Id of the admin	Foreign key
user_type	Char	User tell about the service	not null
give_ride	Char	User who provides the ride, that the user provides there route details.	not null

Attribute	Data type	Description	Keys
take_ride	Char	User who want the ride, that the user provides there route details	not null

Vehicle

Attribute	Data type	Description	Keys
v_id	varchar(20)	Id of the vehicle	Primary key
u_id	varchar(20)	Id of the user	Foreign key
v_no	varchar(12)	Number of the vehicle	not null
RC	varchar(20)	RC of the vehicle	not null
Color	Char	Color of the vehicle	not null

RideDetails

Attribute	Data type	Description	Keys
ride_id	varchar(20)	id of the ride	Primary key
v_id	varchar(20)	id of the vehicle	Foreign key
s_point	Char	Source point of the ride	not null
d_point	Char	Destination point of the ride	not null

Modules Description

- **User Registration:** This module will be used by user to register them for booking a car. It will take user name, phone etc.
- **Login:** User and Admin will enter their login id and password for login the program.
- **Vehicle Details:** User will provide their vehicle details.
- **Enquiry**: In this module all information provide to user by query
- **Booking**: This module will be used by user to book their ride.
- **Cancellation:** This module will be used by user to cancel their ride.

- **Payment:** The customer can pay cash after the ride.

- **Feedback**: This module will be used by user for give their feedback for ride.
- **Edit**: This module will be used by administrator to edit user's side system.
- **View**: This module will be used by administrator to view user's side activity.
- **Manage**: This module will be used by administrator to manage user's activity

Coding

```html
<html>

<head>

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

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

<link rel="stylesheet" href="css/font-awesome.min.css">

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

<?php include("header.php"); ?>

<body>

        <section class="home">

        <div class="container-fluid">

                <div class="row">

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

                                <div class="">

                                        <img src="image/slider2.jpeg"
style="width:100%;height:500px;">

                                </div>

                        </div>

                </div>

        </div>

</section>

<section class="home">

        <div class="container-fluid">

                <div class="row">
```

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

                <div class="home0">

                <hr>

                    <h1 style="text-align:center;">WELCOME TO MY WEBSITE</h1>

                        <hr>

<img src="image/lovi1.jpg" style="width:100%;height:500px;">

                    </div>

                </div>

            </div>

    </div>

</section>

<hr>

<section class="h" style="background-color:gray;">

    <section class="index04">

    <div class="container">

        <div class="row">

            <div class="col-sm-7">

                <div class="index05" style="padding- top:150px; color:#ffff;">

                <h1>For Easy ride Givers</h1>

                <p style="font-size:20px;">Share your car empty seats and cut down your commuting cost. Enjoy meeting amazing new people everyday and grow your network organically.</p>

                </div>

                </div>
```

```
                    <div class="col-sm-5">

                        <div class="imge">

                    <img src="image/for-rider-givers.jpg"
style="width:500px;height:500px; border-radius:50px;">

            </div>

            </div>

            </div>

        </div>

</section>

<hr>

<section class="h" >

        <section class="index04">

        <div class="container">

            <div class="row">

                    <div class="col-sm-5">

                        <div class="imge">

                    <img src="image/for-ride-taker.jpg"
style="width:500px;height:500px;border-radius:50px;">

            </div>

            </div>

                        <div class="col-sm-7">

                        <div class="index05" style="padding- top:150px;
margin-left:100px;color:#ffff;">

                        <h1>For Easy Rider Takers</h1>
```

```html
                                <p style="font-size:20px;">Ride with like minded
people and Save 70% on your taxi fares that reduce your transportation
expense significantly.</p>

                </div>

                </div>

            </div>

        </div>

</section>

<hr>


<section style="background-image:url('image/m16.jpg'); width:100%
height:600px;">
                <div class="container" style="padding-bottom:50px;">

                        <div class="row">

                                <div class="col-sm-2">

                                <div class="">



                                </div>

                                </div>

                                <div class="col-sm-8">

                                        <div class="index03">

                                                <img src="image/job2.jpg"
style="width:100px;height: 100px; border- radius: 40px; margin:10px;
background-color: #fff;border:1px solid white;">

    <h1 style="font-size: 30px; color:#fff; padding:10px;;">USER
LOGIN</h1>
```

```
    <p style="font-size: 18px; color:#fff; padding:10px;">Easily login with one
    click!</p>

    <a href="registration.php" style="border:#fff solid 2px; border-
    radius:10px;font-size:20px;color:black;">login free Frofile</a>

</div>

</div>

<?php include("footer.php"); ?>

    <script type="text/javascript" src="js/bootstrap.js"></script>

    <script type="text/javascript" src="js/jquery.js"></script>

    <script type="text/javascript" src="js/jquery-min.js"></script>

    <script type="text/javascript" src="js/bootstrap-min.js"></script>

    </body>

    </html>
```

Home Page

Registration.php Code

```html
<html>

<head>

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

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

<link rel="stylesheet" href="css/font-awesome.min.css">

<link rel="stylesheet" href="css/style1.css">

</head>

<?php include("header.php"); ?>

<body>

      <hr>

<section class="">

        <div class="container">

              <div class="row">

                    <div class="job01">

                          <div class="col-sm-10">

                                    <h1      style="color:#4F84C4;
text-align:    center;font-weight:      bold;margin-left:100px;">USER
PROFILE REGISTRATION FORM</h1>

                                    <hr>

                                    <form method="post" action="register.php"
enctype="multipart/form-data">

                                        <div class="abhi"
style="width: 500px; height: 540px; background- color:#4F84C4;text-align:
center; border-radius:15px;margin-left: 225px;">
```

Easy Ride

Home   About Us   Services   Contact Us

USER PROFILE REGISTRATION FORM

Abhishek Gupta

abhishekmohitcool31@gmail.com

9958484437

A-1407 Wazir Nagar Kotla Mubarak Pur

Password

Confirm Password

Profile Pic (Only jpg and png allowed)

Choose file   1567531308084.jpg

Submit

Easy Ride

Easy Ride is India's best Website.

Home
Login
About
Contact

NEWSLETTER

Enter your Email

Subscribe

rideGiverValidation.php

Code

```php
<?php include("connection.php");
session_start();

    $vName=$_REQUEST["vnumber"];

    $from="from";

    $to="to";

    $vcolor=$_REQUEST['vColor'];

    $rc=$_REQUEST['rc'];


  if(isset($_SESSION['empuserses']) != ""){
    $table = "create table vehicle(

            id INT(11) NOT NULL AUTO_INCREMENT PRIMARY
KEY,

            driver_name VARCHAR(20),
            driver_mob VARCHAR(12),
            vehicle_number VARCHAR(30),
            driver_from VARCHAR(20),
            driver_to VARCHAR(20), vcolor
            VARCHAR(20),

            RC VARCHAR(20),

            driver_profile VARCHAR(100),

            email VARCHAR(55) NOT NULL UNIQUE);";
```

```
if ($conn->query($table) === false) { echo
    $conn->error;

}

$driver = "select * from register where email = '".$_SESSION['empuserses']."';";

$userGot = $conn->query($driver);

        $row = $userGot->fetch_assoc();
```

Book Your Easy Ride Here

| FROM | TO | Search |

Driver Name	Car Number	FROM	TO	Car Color	RC Number	Contact By	Check Out
Abhishek	DL43ST5401	Badarpur	Ashram	Black	486465	Abhi31@Gmail.Com	**BOOK NOW**
Abhishek Gupta	DL1VB9898	Pitampura	Shahdara	White	2014625	Abhishekmohitcool31@Gmail.Com	**BOOK NOW**
Sagar	Dl10KD8731	ITO	Saket	Grey	3524735	Sagar1222@Gmail.Com	**BOOK NOW**

Easy ●Ride   Home   About Us   Services   Contact Us

Book Your Easy Ride Here

| Pitampura | Shahdara | Search |

Driver Name	Car Number	FROM	TO	Car Color	RC Number	Contact By	Check Out
Abhishek	DL43ST5401	Badarpur	Ashram	Black	486465	Abhi31@Gmail.Com	**BOOK NOW**
Abhishek Gupta	DL1VB9898	Pitampura	Shahdara	White	2014625	Abhishekmohitcool31@Gmail.Com	**BOOK NOW**
Sagar	DI10KD8731	ITO	Saket	Grey	3524735	Sagar1222@Gmail.Com	**BOOK NOW**

Easy ●Ride   Home   About Us   Services   Contact Us

Hii mohit	Activated
Driver Name :-	Abhishek Gupta
Driver Name :-	9958484437
Destination from :-	Pitampura
Destination To :-	Shahdara

Booking cancel

Results

TESTING:-

Testing is a process or phase in which we check our software that it is providing proper output according to the input or not. In this process we find the problem which comes in the software: -
There are two types of testing:

BLACK BOX TESTING:

This is also called behavior testing or boundary value testing. It works on the functionally of the system. It takes the input according to the system performance and provides the output. In this process we first find out the boundary of the system. For example, for finding odd and even number. We need to input only integer value that means the boundary of the system is the range of integer value.
After defining the boundary, we need to input the value to the system in the range of that boundary. And checks the add it is producing any error or not.
It finds the error like: -

     (i)   Incorrect or missing function.

     (ii)   Interface error.

     (iii)   Error in data structure.

     (iv)   Behavior or performance error due to syntax missing.

     (v)   Initializing or termination error.

WHITE BOX TESTING:-

It is a process in which we design the text cases for the program and uses the control structure for designing the text cases. In this process the software developers keeps in mind that what are the limitation and boundary of the

system. In this process we checks both positive and negative aspect of the system. For that we need to the input values which are outside the boundary of the system. And then we gets that output.

It checks the error like:-

(i). It checks all logical decisions on their true and fall side.

(ii). It checks that all independent path within the system has been checked at least ones.

(iii). Execute all loops at their boundaries and within their operational bounds.

(iv). Checks the internal data structure to insure their validity.

(v). All logical errors are checked in white box testing.

Types of testing depending on the testing style:

(i). **UNIT TESTING: -** In this testing we divide the software into its smallest individual subsystem and test that subsystem individually. This approach is helpful when we uses procedures oriented programming for creating in software. In this type of software all the functions along tested on some error. When it will be again redesign the function.

(ii). **INTEGRATED TESTING**: - This testing is also called system testing. In this testing the individual unit of software are combined together and tested as a unit. In this testing we provides the actual data to the system and checks the output.

Taste case:

Test case for login button of the login form:

Test case 1: All the following combinations are tested Password is valid and Username is valid

Password is valid and Username is invalid

Password is invalid and Username is invalid

Password is invalid and Username is valid

Expected results:

No error crossing this stage when Password & Username are both permissible combination of characters. In all other case error message is displayed.

Test case 2: Following input combination is tried where permissible set of characters for username & password are entered which are non-existent in table.

Password is valid, existent and Username is valid, existent

Password is valid, existent and Username is valid, nonexistent

Password is valid, nonexistent and Username is valid, existent

Password is valid, nonexistent and Username is valid, nonexistent

*Expected Results***:**

If no entry into the system then error message displayed. And user is linked to the registration page.

Test Case 3: To test this both username & password to be entered must be valid & existent in the registration table.

Password = Valid, Existent ; and

Username = Valid, Existent

Similarly all the other internal paths & logic can be tested.

VALIDATION CHECKS:-

This will be as such to maintain consistent and persistent information on the web when most of the project has to deal with uploads so a minor error will down the impression of the company. Therefore,

validation checks by software itself using the flavors of Java script and manual checks are also necessary as:-

1. Correct entry of data in the form.

2. Correct updating of question and with most suitable answer etc.

CONCLUSION

- As we know that due to present situation of pollution many measures are being taken by government, this whole car pool can be a value adds to it.

- Now the promotion of Carpooling is done, much advertisement is being run to promote this concept.

- People can use their car and utilize it in efficient way; it can be used to earn money.

- In future, we may try to add facilities all around cities in India.

- In the future, Security can be enhancing to maintain all the data and information in more secure manner.

Reference

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Personal Home Page   :   https://www.tutorialspoint.com/php/index.htm