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Online College Management System

A Report for the Evaluation 3 of Project 2

Submitted by

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ABSTRACT

The project entitled “Online College Management System(online examination system)” is aimed to conduct examinations in an efficient manner without time wasting for the checking of paper. The main objective of our software is to efficiently evaluate the candidate thoroughly through a fully automated system that not only saves time but also give fast result. In this automated system there is no need of paper and pen. The user can write exam without going to the exam Centre. Also the website will provide a good practice for the candidates who are preparing for the entrance examination.

The project contains three modules namely administrator , teacher and student. The control for all the process of the examination belongs to the administrator module. The user in the hostel is the one who visit and register the website

INTRODUCTION

Online College Management System(online examination system) is technology-driven way to simplify examination activities like defining exam patterns with question bank, defining exam timer, objective/ subjective question sections, conducting exams using the computer or mobile devices in a paperless manner.

Online Examination System is a cost-effective , scalable way to convert traditional pen and paper-based exams to online and paperless mode.

Candidates can appear for the exam using any desktop, laptop or mobile device with a browser. Exam results can be generated instantly for the objective type of questions.

It can simplify overall examination management and result in generation activity

Existing system

- Existing system is manual which requires a lot of paper work and it requires a lot of time for processing.
- This system has to prepare registration\application form, question paper for the students and required to print a lot of number manually.
- Answer papers of the students should be checked manually; requires more time and mistakes may be happened.
- To calculate how many students registered, and verification of details of these students in a month by hand is very difficult.
- The limitation of existing system is that it is not all personalized. It cannot be used for personal and quick reference.

Disadvantages of existing system

- The current system is very time consuming.
- It is very difficult to analyze the exam manually.
- To take exam of more candidates more invigilators are required but no need of invigilator in case of on line exam.
- Results are not precise as calculation and evaluations are done manually.
- The chances of paper leakage are more in current system as compared to proposed system.
- Result processing takes more time as it is done manually

PROPOSED SYSTEM

The online test created for taking online test has following features.

- In comparison to the present system the proposed system will be less time consuming and is more efficient.
- Result will be very precise and accurate and will be declared in very short span of time because calculation and evaluations are done by the simulator itself.
- The proposed system is very secure as no chances of leakage of question paper as it is dependent on the administrator only.
- The logs of appeared candidates and their marks are stored and can be backup for future use

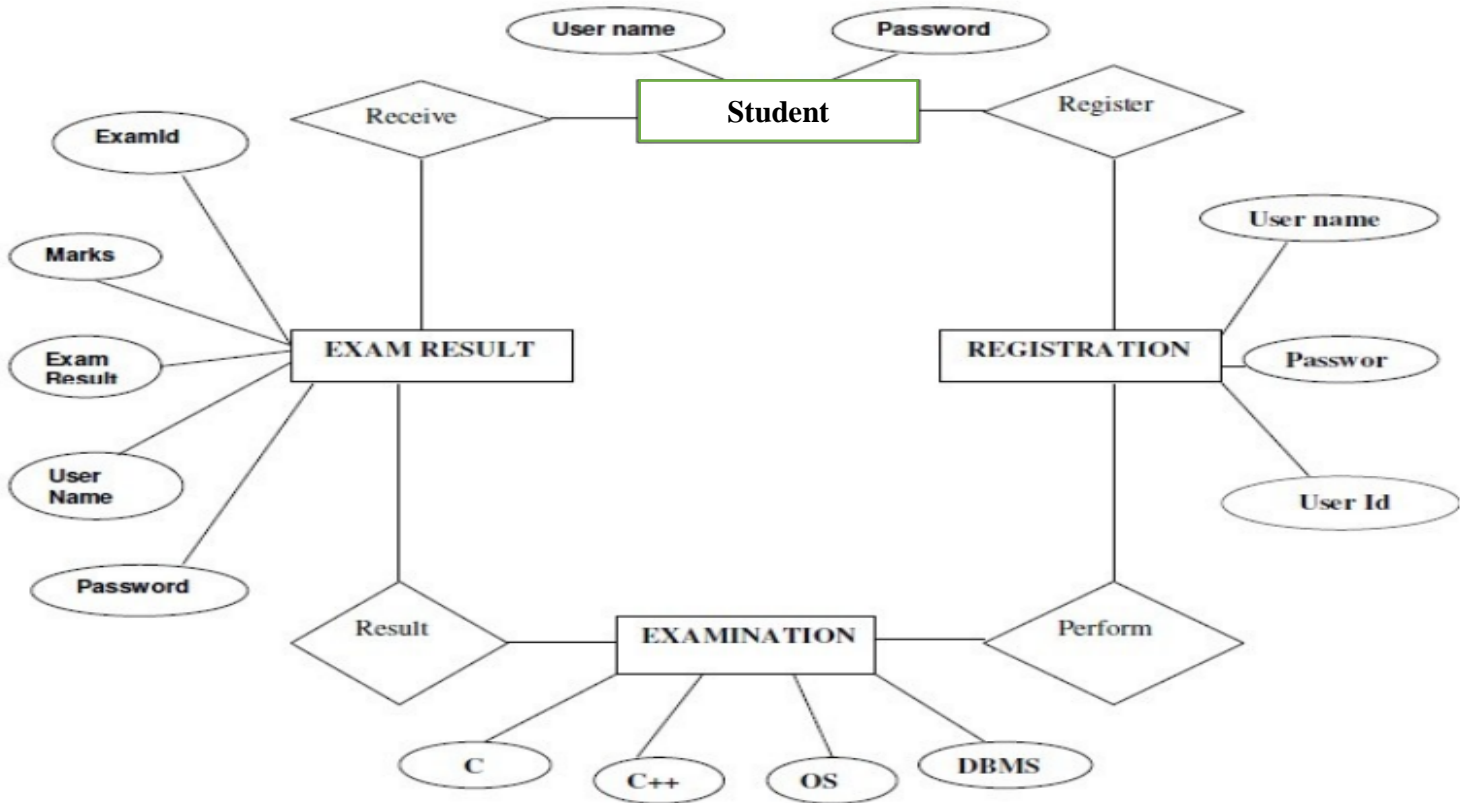
Advantages of proposed system

Physical presence at a given location is absolutely not necessary

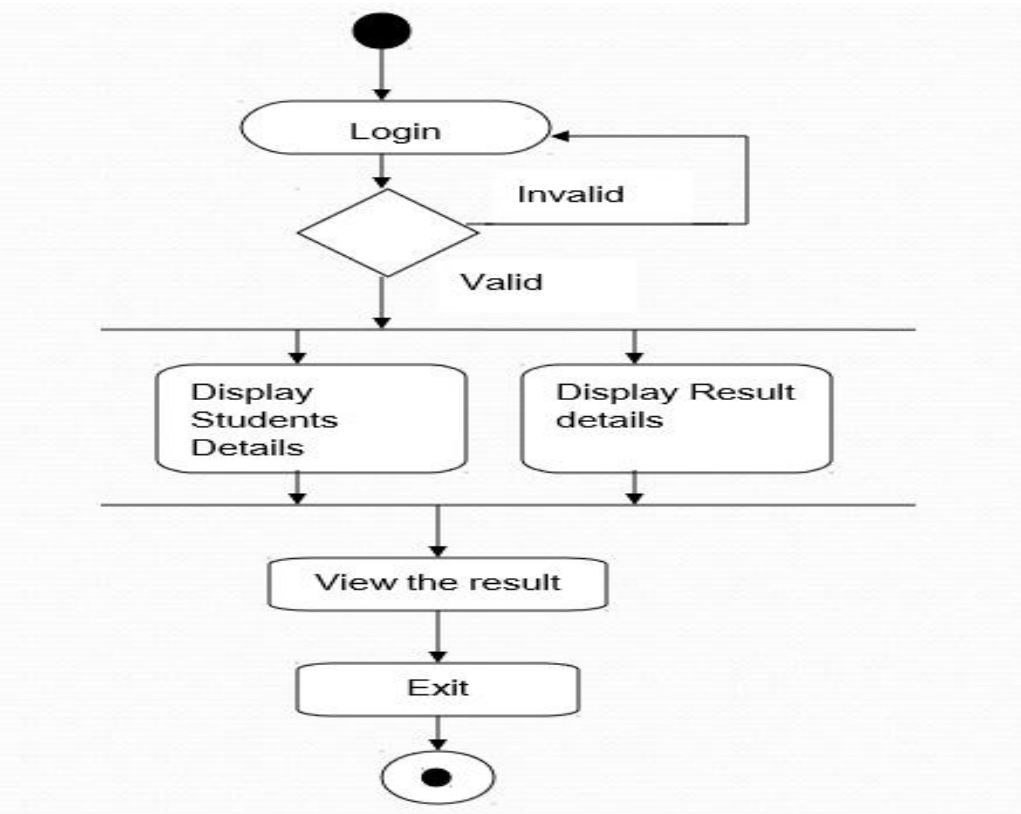
- No time is spent on evaluation
- Results are available instantly
- Can be easily accessed 24/7 over the open test period
- Can be timed to allow Y minutes to answer X number of questions
- Easy Accessibility.
- Available at a reduced cost.
- Accuracy in checking the answer, calculating result.
- User friendly.
- Secure because of authentication .
- Online exams - Convenience, security and flexibility.
- Exams can be assembled and previewed, edited and published instantly

Implementation or architecture diagrams

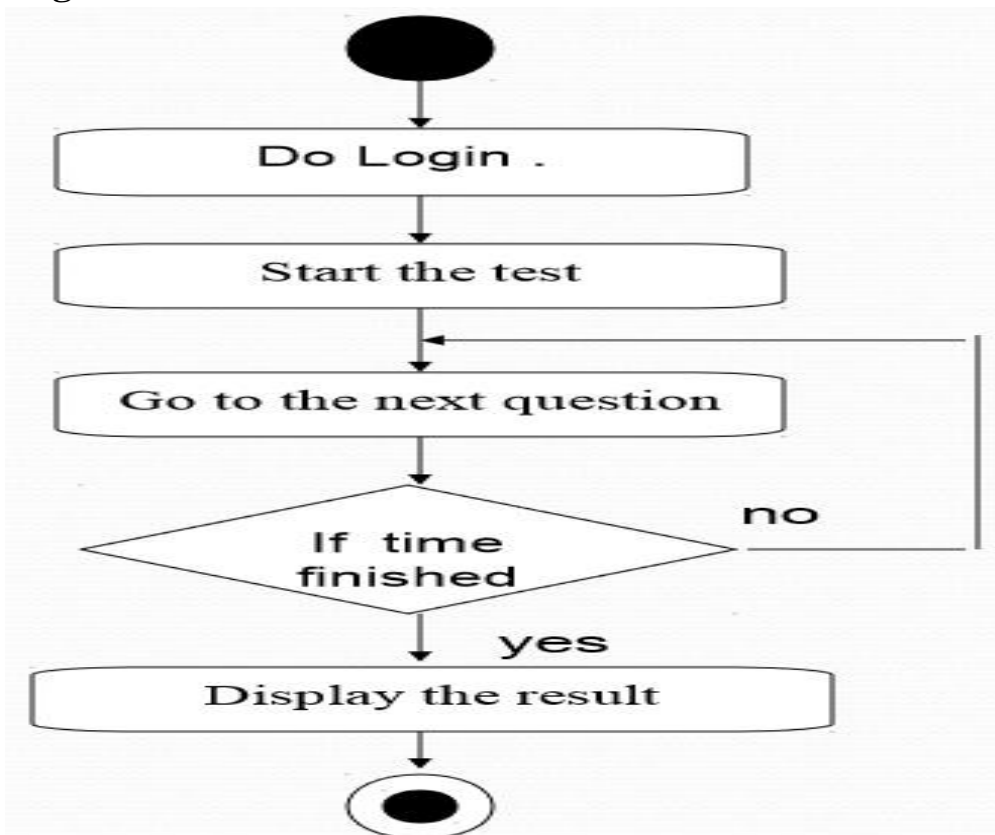
Er-diagram



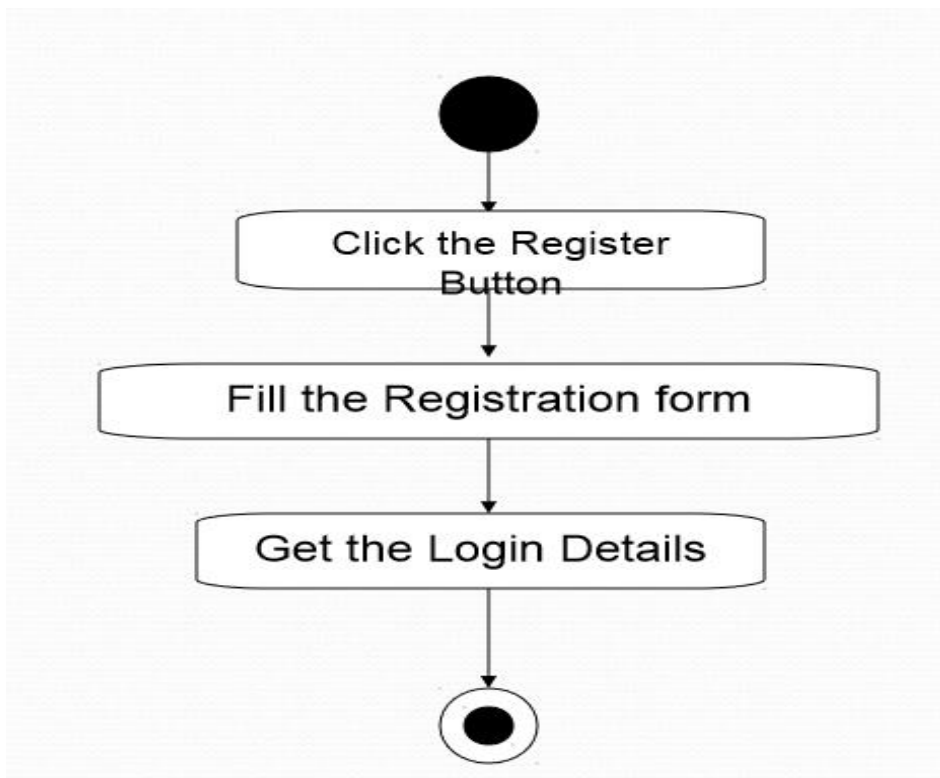
Activity diagram of administrator



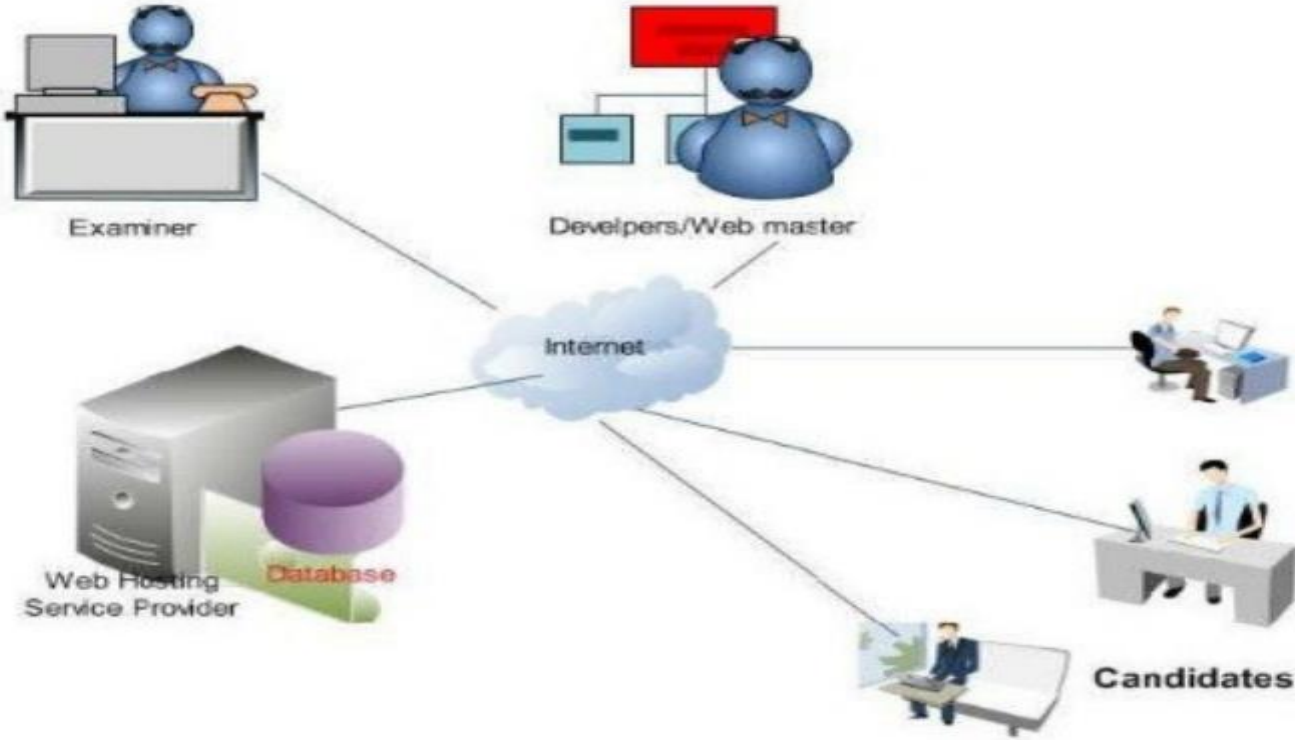
Activity diagram for test



Activity diagram of student registration



Example



SYSTEM REQUIREMENTS

Hardware And Software Requirements

Hardware:-

- Operating System Supports all known operating systems, such as Windows, Linux
- Computer 512MB+ RAM, monitor with minimum resolution of 1024x768, keyboard, and mouse
- Hard Drive should be in NTFS file-system formatted with minimum 10 GB of free space

Software:-

- Software is designed to run on any platform above Microsoft Windows 7 (32bit).
- Microsoft .NET Frameworks 4.0 or above.
- Microsoft SQL Server Management Studio Express 2010.

Student Aspects

- Requesting registration.
- Logging into the system.
- Edit user information.
- Selecting the test.
- Appearing for the examination.
- Printing the result at the end of the examination.
- Reviewing the given responses.

Exam Module

Examination process:-

- a) Login to the online examination system.
- b) Attend Test
- c) Submit

The form of questions in test page:-

- Multiple choice questions
- The questions are selected at random

Administration Aspects

- Taking backup of the database.
- Editing/Deleting/Creating the database.
- Changing the password.
- Logging into the system.
- Accepting registrations of candidates.
- Creating a test.
- Posting questions in the above test.
- Posting multiple options to respective question.
- Marking correct answer within the given options.
- Time limit of the test if any.
- Whether to randomize the questions.

Features

- Secure
- Easy to use .
- Reliable and accurate .
- Save natural resources.
- Save time
- Save manual work of examiner

Scope

- Online College Management System(online examination system) is designed for Educational Institutes like Schools, Colleges, and Private Institutes to conduct logic tests.
- Can be used anywhere any time as it is web based application.
- No restriction that examiner has to be present when the candidate take the test.
- Easy to conduct surprise tests and generate quick results.

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