Online Examination System

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*SOFTWARE REQUIREMENT SPECIFICATIONS*

Abstract:

ONLINE STUDENT TEST is a project developed to provide an easy way to develop student’s skills. This project helps users by analysing the areas where students are weak and allows tests accordingly.

Introduction:

On-line Exam System is very much important for any Educational Organizations to prepare their students for any exams by saving the time. It will take check the paper and generate mark sheets as well. It will also help the Organization to test the students and develop their skills.

Purpose:

The purpose of Software Requirements Specification (SRS) document is to describe the external behavior of the Online Examination System. Requirements Specification defines and describes the operations, interfaces, performance, and quality assurance requirements of the Online Examination System. The document also describes the nonfunctional requirements such as the user interfaces. It also describes the design constraints that are to be considered when the system is to be designed, and other factors necessary to provide a complete and comprehensive description of the requirements for the software. The Software Requirements Specification (SRS) captures the complete software requirements for the system, or a portion of the system. Requirements described in this document are derived from the Vision Documentprepared for the Online Examination System.

Scope:

* Can be used anywhere any time as it is a web based application(user location doesn’t matter).
* No restriction that examiner has to be present when the candidate takes the test.
* No manual work of preparing and storing the result information.
* Less time consumption, as the result is calculated immediately after the test and displayedto the student/candidate.
* For students/candidates, it saves time of going to far away centers to give exams

Product Perspective:

This website is designed for the web-based browsers. There should be an internet connection for appearing these tests. This interface is very easy and can be maintained by anyone. This familiar GUI will make the user feel more comfortable navigating and viewing the data on our system. Once our application is loaded into browser it allows user to give online test and make themselves improved.

The various stages in the app are as follows:-

Login: This window offers the user two choices for logging into the system according to the preset privileges -Candidate login and Administrator login. The candidate login will take the user to the user profile. The Administrator Login will take the user to the administrator profile

System Overview: This window can only be accessed by the administrator. It allows the administrator to add and edit exams.

Test: This window contains all the exams candidate can give. All these exams are organized according to the categories they fall in. The test window will be different for students and corporate employees.

Result: This window displays the result of exams the candidate has just appeared. This data will be saved and displayed in the user profile. If the score is in top 10, the result will also be displayed in the rankings area of result window.

Product Functions

The functions are divided according to the user types such as:-

Administrator:-The function of the administrator is to add/edit exams in the test module.

Candidate:-The function of the student is to update his/her profile and give various exams

External Interface Requirements:

**User Interfaces**

•Registration Screen: Various fields available on this screen will be:-Login Name-Email Id-Password •Login Screen: Fields available on this screen are:-Login Name-Password

•Result Displaying Screen: Various Fields are:-No. Of Correct Questions-No. Of Incorrect Questions-Total Marks-Result(Pass/Fail)

**Hardware Interfaces**

Screen resolution of at least 800X600 is required for proper and complete viewing of screens. Higher resolution will be accepted.

**Interface Requirements**

Various Interfaces for the products could be

* Login form
* Examination form
* Result form
* Registration form

**Hard ware Requirements**

1. The application demands that all the PCs must be present in the internet .

2. Pc should be sufficiently fast with adequate memory at least 64 MB RAM and 2 GB hard –disk space is required to run this application.

3. Screen resolution of at least 800\*600 required to properly view the screen.

4. It should be support the printers

**Software Requirements**

1. Any Window Operating System.

2. The PHP must be installed. For the database handling MYSQL must be installed.

3. The final application must be packaged in a set up program, so that the product can be easily installed on the clients-machine.

**Performance Requirements**

The E-mail should be sent within one hour after the registration.

The system should support registration for examination maximum of Students.