Software Requirements Specification

for

Online Examination Portal

Version 2.0 approved

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# Introduction

## Purpose

Online examinations are an important method of evaluating the success potential of students. This research effort the individuals under consideration were students who would be enrolling in computer courses or Technologies Registrations. A prototype of a web-based placement examination system is described from the standpoint of the research effort, end user, and software development.

## Project Scope

An on-line educational system including exam processing and electronic journal features. An instructor builds a course-based questions which on-line contain in identification of assignments. Which are compiled into an on-line exam syllabus?

# Overall Description

## Product Perspective

This application is used to conduct online examination. The students can sit at individual terminals and login to write the exam in the given duration. The questions have to be given to the students. This application will perform correction, display the result immediately and also store it in database. This application provides the administrator with a facility to add new exams. This application provides the instructor add questions to the exam, modify questions in the exam in a particular exam. This application takes care of authentication of the administrator, Instructor as well as the student.

## Product Features

1. ADMIN MODULE
2. INSTRUCTOR MODULE
3. STUDENT MODULE

## User Classes and Characteristics

* **Admin**: The role of admin to create the new instructor and maintain all log together,were admin ahve full rights of compelte application.
* **Instructor:** The Insturctor are to create questions for the students make quiz question and decide the time of the quiz how much time given to the students.
* **Student:**Students have login and give the particular test on time, also result si shown after the test only. Test should be compelted on time otherwise the test remain incomplete.

## Operating Environment

* Front end: - HTML, CSS.
* Scripting language : - Php, Javascript
* Back end: - MySQL
* Server: - WAMP 64

## General Constraints

* The developed system can run under any platform / Browser.
* All mandatory fields should be field by individuals
* There can be security risk involved.
* Details provide by individuals during sign-up should be stored in database.

# System Features

## Functional Requirements

The features are as follow as

**3.1.1 Login**

The login module where student/Instructor/Admin are put their credentials, if user is not registered or don’t have credentials then user should be register themselves first of all and use other functionalities of our system.

**3.1.2 Register**

It is an open-source module to integrate a login-registration part in your projects.

**3.1.3 CHANGE PASSWORD & FORGOT PASSWORD**

User has rights to modify his login details & also be informed through mails if he is unable to login.

**3.1.4 STUDENT -MODIFING DETAILS**

Student can modify to change profile of each User**.**

**3.1.5 DEPARTMENTS-ENTERING/MODIFYING DETAILS**

New departments adding and old department deletions are spent by this admin.

**3.1.6 INSTRUCTOR DETAILS-MODIFYING DETAILS**

According to Admin, can add or delete Instructors for specific platforms.

**3.1.7 ADD QUESTIONS-DEPARTMENTS VERIFING**

According to flow of questions & Technology instructor can add questions into the database.

**3.1.8 UPDATE QUESTIONS -DEPARTMENTS VERIFING**

If any corrections in data of questions instructor can modify them.

**3.1.9 CREATE EXAMS AND MODIFY EXAM**

Intructor will be prepared schedule for exams periodically and they also have rights to modified exam schedule.

**3.1.10 VIEW EXAM DETAILS**

They can to show number of register and who attempt exam.

**3.1.11 EVALUATE QUESTION**

Evaluation of marks based on his initiations when adding questions.

**3.1.12 TAKE EXAM- MULTIPLE CHOICE, TRUE/FALSE**

The registered student allowed to start the exam.

**3.1.13 SEE EXAM RESULTS**

After Completion of exam, he can view at his result.

**3.1.14 LOGOUT**

After the process of examination, he turned to Logout page.

# External Interface Requirements

## User Interfaces

**Login: -**

Email

Password

**SIGN-UP/REGISTRATION**: -

Name

Gender

College Name

Email id

Password

Confirm Password

**Feedback: -**

Name

Subject

Email

Description

**Dash Board: -**

Home

History

Ranking

Ranking

Search

**Home: -**

Sr no

topic

Total Question

Marks

Time Limit.

Start/Re-start

**Test: -**

Questions

Options

Submit

**History: -**

Sr no

Quiz

Question Solved

Right

wrong

Score

**Ranking: -**

Rank

Name

Gender

College

Score

**Admin dashboard : -**

Home

User

Ranking

Feedback

Quiz

**Home: -**

Sr no

topic

Total Question

Marks

Time Limit.

Start/Re-start

**User: -**

Sr no

Gender

College

Email

Mobile

Delete

**Feedback: -**

Sr no

Subject

Email

Date

Time

By

Show Feedback icon

Delete icon

**QUIZ: -**

Add Quiz

Remove Quiz

Quiz Title

Total Question appears on quiz

Marks if right Ans given

Negative marking

Time Limit

Description

Submit

**Questions Details: -**

Question

Option a

Option b

Option c

Option d

Correct Ans

**Ranking: -**

Rank

Name

Gender

College

Score

## Hardware interface

1. Computer: A computer will be required to open the website and use the software
2. Smartphone: A smartphone can also be required in case there is no availability of computer.
3. Internet: A good internet connection is required to access the website.

## Software interface

1. A SQL Database Server will be required to store and retrieve data.
2. A web browser will be required to open the website.

## Communications interface

This project supports all types of web browsers.