Software requirements specification

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1.Introduction

1.1.Purpose

On-line examinations system contents providers to focus on creating effective assessment questions and focusing on exam's feedback delivery to students. In the paper we present techniques that are pertinent to the elements of assessment process: answers submission, computerized grading, and feedback after submission.

The Students who are attending for online examination can communicate with the system through this projects, thus facilitating effective implementation and monitoring of various activities of Online Examinations like conducting Exams as per scheduled basis and delivering result to that particular use or student.And the details of students who attempted Online Examination are maintained at administrator**.**

1.2. Scope

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.

1.3. Product perspective

1.3.1 System interfaces

This is a web application that runs in the latest version of Chrome, Firefox or any web browser on Windows, Linux and Mac.

1.3.2 User interface

The application user interface has menus, toolbars, buttons, text boxes, hyperlinks allowing the user to control the application with the help of a mouse and keyboard

1. Login Page

2. Registration page

1.3.3 Hardware interface

The system needs a proper internet connection for the web application to work properly.

1.3.4 Software interface

The system works on a client-server manner. Communication with the server is done with the help of scripting language PHP. It also requires Data Base for the storage of details of the customer's and the details of the shops and also the products for that we use MYSQL. DNS is used for the purpose of naming the application on the internet.

1.3.5 Communications interface

The communication architecture follows the client server model. Communication between the client and server should be served over HTTPS. The communication must follow stateless protocol.

1.3.6 Memory constraints

This application needs only a minimal amount of memory for storage and processing.

1.4 Product Function

Online Examination System is a web application. The key concept is to minimize the amount of paper and convert all forms of documentation to digital form. It can observe that the information required can be obtained with ease and accuracy in the computerized system. The user with minimum knowledge about computer can be able operate the system easily. The system also produces brief result required by themanagement. Some of the main functions of this application is listed below.

1.4.1 User interface

1.4.1.1 login page

1.4.2.2Registeration page

1.4.3.3 subject select

1.4.4.4 select quiz

1.4.5.5 Result

1.4.6.6 Review test quistions

1.4.2 Admin interface

1.4.2.1 Admin login

1.4.2.2 view subject/add subject

1.4.2.3 view questions/add questions

1.4.2.4 view user details

1.5 User characteristics

he main users of this system are the students. They create account for making attending exams. The administrator is the one who controls the system rectifies the issues that happens in between and also maintains the system to be active all the time. Then comes the admin / examinar who can add the questions and make the students to easily attending the exam.

1.6. Acronyms and abbreviations

We use bold letters to represent the main functions of the system. The underline will represent a hyperlink. Italics represents notes. We will be using some of the acronyms throughout this document. Below shown are the abbreviations and definitions of some terms used in this document.

1.7.1 Admin

Admin is the person who has full control over the web application and he/she is responsible for managing the functions in the system.

1.7.2 Database

Database is the storage space for storing all the information related to the web application in tabular format.

2 Requirements

2.1 External Interfaces

There are many interfaces related to software in software engineering. Some of the important interfaces are User Interface, Software Interface and Hardware Interface.

2.1.1 User Interfaces

User interface is the page with which the customer interact which is build using HTML and Php. The forms that user interact is designed using HTML.

2.1.2 Hardware Interfaces

❏ Processor: intel i3

❏ RAM: 4GB

❏ Hard Disk: 1TB

2.1.3 Software Interface

❏ Platform: SUBLIME

❏ Front end tool: PHP

❏ Back end tool: MySQL

❏ Operating System: Windows 10

❏ Server: XAMP

2.1.4 Communication Interface

In communication interface we use the HTTPS which is the secured file transfer protocol used for communication between the client and the server. This project uses a client server architecture.

2.2 Functions

2.2.1 Registration of Admin

The admin has to login with their user Id and password. Admin can validate the Users registration and supervise the Users. Multiple Admins are posiible

2.2.2. Registration of user

Here the Users can create their profiles with their name, contacts, UID and other personal data's. And issue a complaint and express their concerns and ideas. Editing also available in this field.

2.3 Usability Requirement.

The user can easily use the website/software. They have to submit accurate and valid complaints and concerns. With minimum storage and time complexity.

2.4 performance Requirements.

The performance of software should be reliable and accurate. It has the data flow minimization and client-side caching in order to improve performance.

2.5 System Design

❑ Data Entry

❑ Data Correction

❑ Data selection

❑ Processing

❑ Reporting

2.6 Database Requirement.

It is used to store the data all the data of users is stored in the database.

3.Verification

We check all the above given Requirements are completely present and satisfy all the functional and nonfunctional requirement. The goal of the system is achieved as per the requirement specification and condition

4. References

➢ Software requirement specification (SRS) document for Reqview.

➢ www.wikipedia.com

➢ www.tutorialspot.com/java