Project Specifications

Anywhere Assessment System

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1. Abstract

'Anywhere Assessment System' needs to be developed to facilitate the assessment conducted by academic institutions. This system assesses students through online objective tests. The exams would be highly customizable. This system will enable educational institutes to conduct test without spending much time in evaluating the test papers. The system allows faculties to create their own tests and allows the students to take the test anywhere at any time. It provides faster results by evaluating the answers automatically. The result would be available to the faculty as well as students. This system would be helpful for creating practice tests, class room quizzes, internal mock exams, any other exams or certification specially provided by the institute etc.

2. High Level Design Specification

The project contains the following main modules.
- Registration
- Exam
- History
- Admin
- Search

- **Registration Module:**

  This module allows the users to register themselves. The registered users can sign in to their accounts to take exam or to view their exam history.

- **Exam Module:**

  This module allows the user to take exam. Before the exam starts, the exam instructions must be displayed. The examination subject is chosen by the candidates. The examination questions are uploaded by admin.

  After logging in, the users can go to the take exam. This 'Exam' module will provide choice for users to choose the subject on which they will take exam.

  1. After providing instructions, the exam should start.
  2. The time left to complete the exam must be displayed in the top corner to the candidates.
  3. The exam should automatically close when the duration of the exam over even the candidate does not finish the exam.
  4. The candidate must be able to move through the questions. The 'Next' and 'Previous' options must be provided.

- **History Module:**

  The candidate can view the exam history. This module provides the details such as the exam name, date of exam, result, marks scored by the candidate.

- **Admin Module:**

  This module allows the admin to perform admin activities. Through this module the admin can upload examination questions, can add new subject or exam, view registered users etc. The admin must be able to create a new exam by uploading questions, providing duration, number of questions etc. Also the admin can modify the existing exam by uploading new set of questions, changing the duration etc.

- **Search Module**

  This module is used to search the commonly available information on the site for both registered and unregistered users

3. Mandatory Requirements

- **User-defined exceptions must be generated.**

The following are the sample scenarios where user-defined exceptions required. Identify the other mandatory requirements and implement them.
   a. Entering Invalid user id
   b. Entering Invalid user name and password etc.

- **Primary Key and foreign key constraints must be specified in database design.**
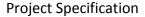- **Session management must be implemented.**

Session tracking or management must be properly maintained between the pages until the user log outs the session.

4. Best Practices

The development team must follow the best practices.
1. Coding Standard

- Methods and class names must be meaningful
- Meaningful names for variables
- Meaningful names for controls. To clearly identify the controls, the controls name can start with the control name followed by their functionality name.

Sample

TxtCustomerName – text field which is used to enter the customer name
BtSubmit – button to submit the fields' entry

2. Validation for all the fields

- Missing of mandatory fields entry
- Entering numbers for names filed etc.

Identify the other required validation and implement them

3. Layout design and arrangement of the control must be proper in UI design

4. Title Messages for each dialog and screen must be meaningful

5. Deliverables Expected

- Project Documentation Report
- Database script file
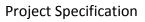- UI design document

6. Database Design

A partial database schema is given below. Additional tables or attributes may be added as per requirement. These database tables are samples only.

USER_DETAILS

Field	Description
Regno	Student Registration Number
fname	Student First Name
lname	Student Last Name
age	Student Age
gender	Student Gender
emailid	Student Email ID

EXAM_DETAILS

Field	Description
Exam_Id	Examination Code
Subject_Code	Subject _ Code
Duration	Duration of the Exam

No_of_Qstns	Number of Questions
Marks	Total Marks

SUBJECT_DETAILS

Field	Description
Sub_Code	Subject Code
Sub_Name	Subject Name
Question	Question
Option1	Option1
Option2	Option2
Option3	Option3
Option4	Option4

EXAM_HISTORY

Field	Description
User_Id	User Id
Exam_Id	Examination Id
Exam_Date	Exam Date
Result	Exam Result
Score	Marks Secured

LOGIN_DETAILS

Field	Description
User_Id	User Id
Password	Password

7. Screen Design

User Login

Registration

Start Exam or Take Exam

Anywhere Assessment System

Rules and Regulation

Unfair means strictly prohibited:
1. Candidate are not allowed to copy from any other source while taking the test through 'Anywhere Assessment System.
2. Candidates can mark the answers to the question or can go to the next question. Only at the end of the test, the candidate required to submit the answers.
3. At any time the candidate can move to the previously answered question and can change the answer.
4. After the duration over, the test automatically will be closed without any prior information.
5. To help the candidates in managing the time, the time left for completion of the test will be shown in the top corner.

○ I agree to the terms and conditions
○ I do not agree to the terms and conditions

START NOW

Taking Exam

Anywhere Assessment System

Timeleft:45:05

Q.NO.17. which one of the following scope is not supported by php?

○ final
○ static
○ public
○ friendly

previous   submit   next

Project Specification

Exam Report (displayed for Admin)

Report: Student Score
Group: MCA V sem

No.	Student Name	Test Taken On	Score
1	Ravi	24/9/2009	74
2	Jayesh	24/9/2009	70
3	Mayur	23/9/2009	66
4	John	26/9/2009	65
5	Rahul	25/9/2009	60

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