**Online Examination System**

**Type:** Website

**Description**: An online application is developed to give a complete end to end solution to cover all aspects of examination system through online is called Online Examination System.

**Technology Used:**

**Front End:** C#

ASP.NET

**Back End:** SQL Server

Modules of Online Examination System are as follows:

Users of the Online Examination System:

1. Administrator
2. Student

The students can take online exams on various subjects by using this system. After exam system will generate reports based on the exam result. The user and master information will be maintained by this system.

The main modules of Online Examination System Project are:

1. Administrator and Question Bank Module: is used to manage question bank, examination, members and to view the reports of exam results.
2. Member and Examination Module: is used to register new users to system, managing user profile and giving examination to students.

**Administration and Question Bank Module**

The administrator can maintain the members of the system, reports of exam results can be viewed, edit and add the examination details, enter question banks by using this module.

The features of the administration module are given as following:

AM-1: Login – The admin can log into the system by providing his user name, password in login page. Admin can maintain question banks and new examination for students can be created. The system identifies admin by his user name, password..

AM-2: Members – This module shows members list who are registered to the site.

AM-3: Examination – The new examination details can be added and existing examination details can be edited by admin.

AM-4: Question Bank – The questions and answers in the question bank can be edited by Administrator. Also he can add new questions and answers to the question bank.

AM-5: Results – The results of exams and tests will be displayed.

AM-6: Logout – The admin user can logged out from this site by clicking this link. His session will reset to default value after logout.

**Member and Examination Module**

The student can register to this portal, login using username and password, select exam for a specific subject/course, result of exam can be viewed, update his profile and can view answers for question in question bank by using this module.

CM-1: Home – After student logs in to system home page will be displayed. This page displays all available links.

CM-2: Login – Student can view his account information and buy the product after he logs in to the system by providing his username and password in this login page. Student can use Forget password link for regaining his password. By clicking register link new student user can register to this portal.

CM-3: Register – The new user can register to system by providing his details like name, address, email id and contact details. After clicking submit, system checks all details. The e-mail id must be unique and using email id and password student can log into system. The student will get password recovery mail to his email id if he forgets the password. So email id must be valid.

CM-4: My Account – This page contains links like Update Profile, Change Password and Logout. The details of student who logged in and results of previous exams will be dispayed in this page.

CM-5: Edit Profile – In this page the student can edit his personal details like name, address and contact no and other details.

CM-6: Change Password – By using this link, a student who forgotten his password can regain his password. By typing his old password he can set new password as his password.

CM-7: Logout – The user can logout from this site by clicking this link. The session of student will reset to default value after he logged out.

CM-8: Examination – The list of examinations can be viewed by student and can select a specific exam. The details of examination like name, description, total time of exam, total no. of available question, total no. of number questions for test and minimum marks to get passed will be displayed.

CM-9: Test – The questions are randomly selected from question bank by system and will be displayed to student one after another in the test page. The right answer for questions can be selected from available options by student, the result of exam will be displayed quickly by system after completion of exam. It saves time of student and all test details are stored in this system.

CM-10: View Answers – The student can view the answer for each question in exam once he completes examination.

**Project Abstract / Description of Web Based Online Examination System**

The Online Examination System is user-friendly web application. Different examinations and question banks for registered students and members will be get set by the administrator of system. The question bank in this system is well blended with a whole set of Features. The complete evaluating functionality and assessing performance skill of student is provided by Online Examination System. The examination details like exam name, select an examination, and assign questions for examination can updated by the administrator of the online Examination System. This system is flexible in testing, very useful for student and has all features for providing examination to students using online.

The question bank generates unique sets of question papers randomly and it form the backbone of the automated process. The better randomization is achieved when there will be more number of questions. it plays an important role in the Online Examination System.

The evaluation of objective type questions can be done by the user in Online Examination System. After completion of examination the system will provide result of the examination is produced instantly and efficiently. This reduces time of student who will wait for result of exam for long time in previous, offline exam system. Another main advantage is student can take online exam at anytime and anywhere. Also there is no need of examiner’s presence during a student writing the exam.

The Online Examination System provides utilized advanced assessment settings which include flexible database driven question pooling, skipping, and randomization and timed response with feature to either conduct the conduct the exam on online. It also helps in creation of question paper based on a set of parameters.

For online exanimation, the answers are check along with the conduction of the examination and the examinee can be made available the results instantly. Storage of answers, scores, and results in database. The Objective type questions are provided by Online Examination system. The Administrator has the ability to add more questions in addition to the already available questions in the Question Bank as per the subject.