Chapter No 1

Introduction

Introduction

The ‘Web based online examination system’ project will be developed to overcome the time consuming problem of manual system. Apart from that in current system, checking the answer sheets after taking test, waste the examiners time, so this application will check the correct answer and save the examiner time and carry the examination in an effective manner. The users which are use this system don’t need to high computing knowledge and also system will inform them while entering invalid data.

The aim of this project is to computerized the existing manual system and help the examiners to save their valuable time and important data. Apart from this, data which are exist in this system, will exist for long period of time and will be easy accessible. This project helps the examiners to manage their services in a good way and provide a better service to their users.

The objective of this project is to manage the details of students, examinations, marks, courses and papers in a good manner. The performance of the application will be fully control by administrator and administrator can guaranty any one to access. The project will reduce the manual process in managing examinations and all issues regarding that.

To design and implement this project we plan that the project support to different types of users apart from its administrative part. When project is run for the first time it allowed the user to select as who he/she wants to login in the system. Project support login as teacher and login as student. If a user who is student, try to login as teacher system will not allow him and vice versa. User who add as teacher in system will be able to punch test and questions to system and also will be able to observe the result of the student which attempt tests. User who login to system as student will be able to select a particular test and attempt questions depend on this test. After attempting the test and submitting that user will receive a message that you have attempt the test successfully and if the user tries to attempt the same test, system will not allow him/her. Also a user which login to system as student will be not able to observe the result of test he/she attempt.

Chapter No 2

Literature Survey

Literature Survey

1. Developing a Desktop-based Offline Quiz Application

Viska Mutiawani ,Najmuddin Amrin, Kurnia Saputra, Dalila Husna Yunardi Informatics Department from Syiah Kuala University Banda Aceh, Indonesia. In this case, the researchers conducted a survey for 20 students of the Informatics Department class of 2015 randomly. The question is, ”Have you ever experienced a failure to answer the quiz, as a result of an internet connection?”. From the results of a survey of 20 students, the researchers found that 15 of them answered that they had. Based on this simple survey, the researchers can conclude that the opportunity for 20 students of the Informatics Department class of 2015 who have experienced failure while taking the quiz is 75%. This shows that the chance of failure is quite often, but this survey is just a preliminary survey that has not been able to represent the true probability of failure.

2. Online Android Quiz Application

Adarrsh Paul, Rajat Kumar Singh, Jayant Singh,Tulasi Sai Shweta U.G. Scholar, Computer Science & Engineering, SRM University, Tamil Naidu, India. The Quiz App is rated in the top 5 aptitude applications in android market developed by Sindu Rajan and designed by Yalini Kumaraguru. Pocket Aptitude is a collection of 10+ quantitative aptitude questions and word problems frequently asked in competitive examinations and placement papers. It is designed as a preparation tool for job aspirants and those waiting to crack CAT, NTSE and various bank exams. People with an inclination towards mathematics can use this app to sharpen their IQ, test their aptitude skills and enrich their knowledge.This application has various fine points and flaws provides good user interface but only for practice test but the questions being asked are of old pattern and not in trend. The main moto is to make this app work faster and efficient enough for students to make most out of it.

3. Quiz App using Android Studio

Vaibhavi Balaji Kunale, SharvariSandiip Shinde, Shelke R.B Student, Department of Computer Engineering, MM Polytechnic, Pune, Maharashtra, India Android is rapidly getting famous, and therefore the number of its users are increasing day by day, because it's easy to access the required Android-based apps on tablets and smartphones . Therefore, we found the use of the Android App is less complicated and longer efficient to facilitate the users during this way with none difficulty. Fig 1 Applications and widgets Application Programming Interface Libraries Android runtime Android Architecture reduces the time of development and can reduce the quantity of memory that is required by the appliance. In Future we are able to include redesigned an friendlier user interface because the application targets various levels of users starting from sophisticated programmer to naive users Android is most used Mobile OS worldwide. making an android app isn't as difficult mutually think about.

Chapter No 3

Problem Definition

3.1 Problem Statement:

In this online examination system which is designed and implemented on time constraints based we try to overcome the existing problems to computerized the existing manual system and help the examiners to save their valuable time and important data.

3.2 Objectives:

1. Able the examiners to punch the MCQ questions online
2. Quiz System will Securely Store Exam Question Paper and it will directly visible to Student who has taken part in Exam
3. Able the users to solve the questions online
4. Examiners can manage the information regarding exam
5. Correct answers will be evaluated by system
6. To create an appropriate platform for best managing of MCQ test
7. To overcome the time consuming issues and taking MCQ tests
8. To release the marks of the test taker as soon as possible

3.3 Scope of Project:

In the world of internet, all task has been done through internet, so we have decide why Exam has not conducted through internet. For convert current exam system into digital exam system, we have built this small Online Exam system project. If this system has built in professional level then it will automate our existing examination system into digitize exam system. The examination plays an important role in social life, which is an important means of evaluating the ability of people. The traditional way of examination with paper hasoccupied faculty much time and energy.

Especially in the remote network teaching, this way did more and more not adapt to the demand of education Informa ionization and modernization. Online examination from the original examination computer aided to online examination based on C/S, until current online examination based on Web, itstechnology and practical application are also constantly developing. And the remote education will play asignificant role in the field of education in the future, which also promotes the further development of the online examination system technology with broad prospects.

Chapter No 4

System Design and Methodology

4.1 System Design:

The system's overall goal was concluded by analyzing the target audience of the system, which was partitioned function module at the perspective of users, and then it built the model of system structure. In this “Web Based Online Examination System”, there are mainly two role analysis Institute and Student.

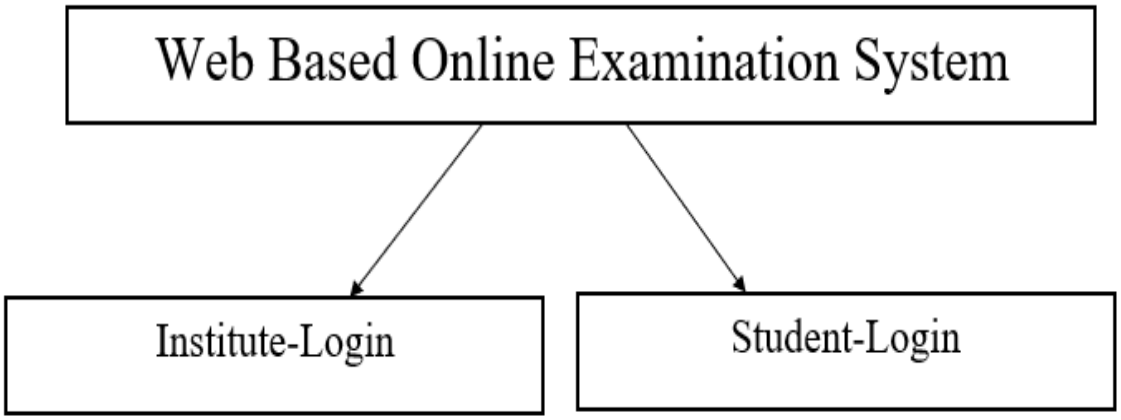


Fig.4.1 The Diagram of System Structure

4.2 Methodology:

4.2.1 The Institute (Admin) role analysis:

The system users include administrators, examinees and teachers. The system sets different permissions and operation interface for users with different roles; the users enter into the different interface, and have different operation according to different permissions .After examinees enter into the system through the correct login information, their own information could be viewed and the password could be modified. The examinee can view the test information, which includes exam subjects, exam time, whether it can take the exam, etc. When the start time of the test has not started, the system will remind that the exam has not started; when the exam could be conducted, the examinee can start test by selecting subjects click add test; Question answer is submitted papers at the end of the test, then the examinee check exam results after the marking. In order to grasp the related learning resources of the system timely, the examinee also can download resources.

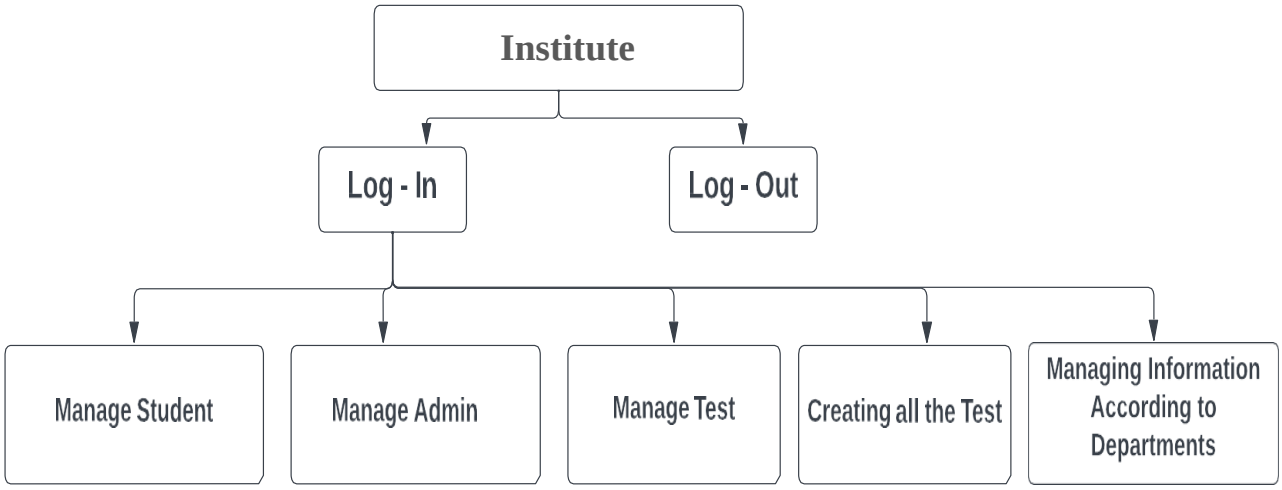


Fig 4.2.1 The diagram of Institute (Admin) Role

4.2.2 The Student (User) role analysis

Student can get their forget password details. Student can login to the system by entering username and password. The username and password is provided by Faculty only. Student can view Online Examination time table after login into their account under this system. Student can view all subject time table like date and time of Online exam of particular subject. Student can take participate in online exam, once exam has been started. So once online exam has been started, firstly the rules regarding exams will display, then one button will appear on particular subject, which exam has been start. So student has to click on that button, and take part in online examination of particular subject. As per the question the student can see the no. of buttons on the system whether the answer is submitted or not, or which questions are reviewed. Once Online Exam result has been published, then student can view their Online exam result at their login area. Student can give exams within a specified time-period.

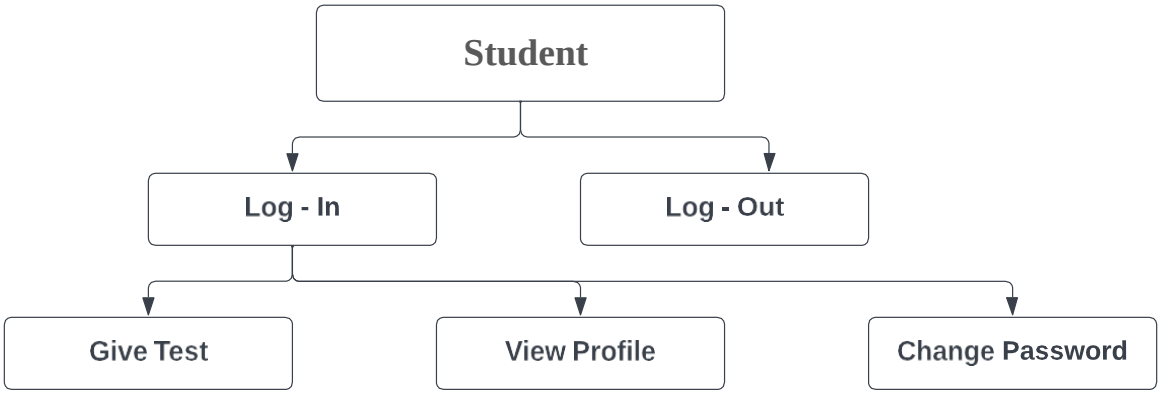


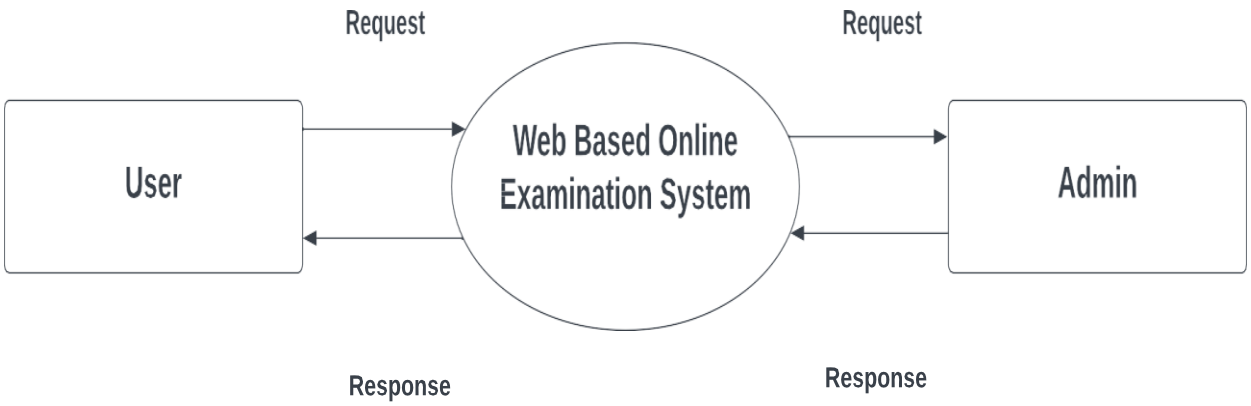
Fig 4.2.2 The Diagram of Student (User) Role

Chapter No 5

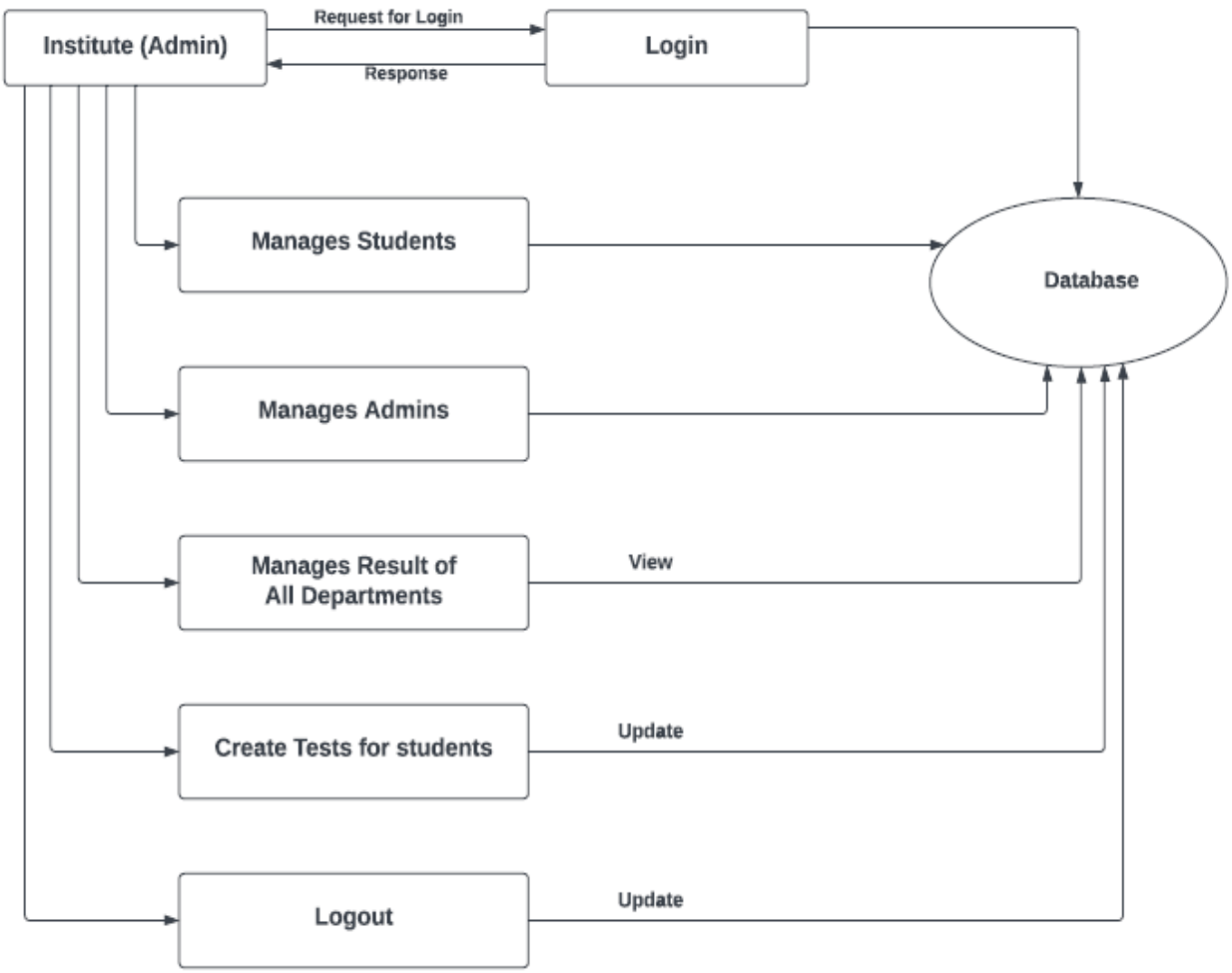
Details of Designs, Working and Processes

5.1 Data Flow Diagrams: 0 level, 1 level and 2 level

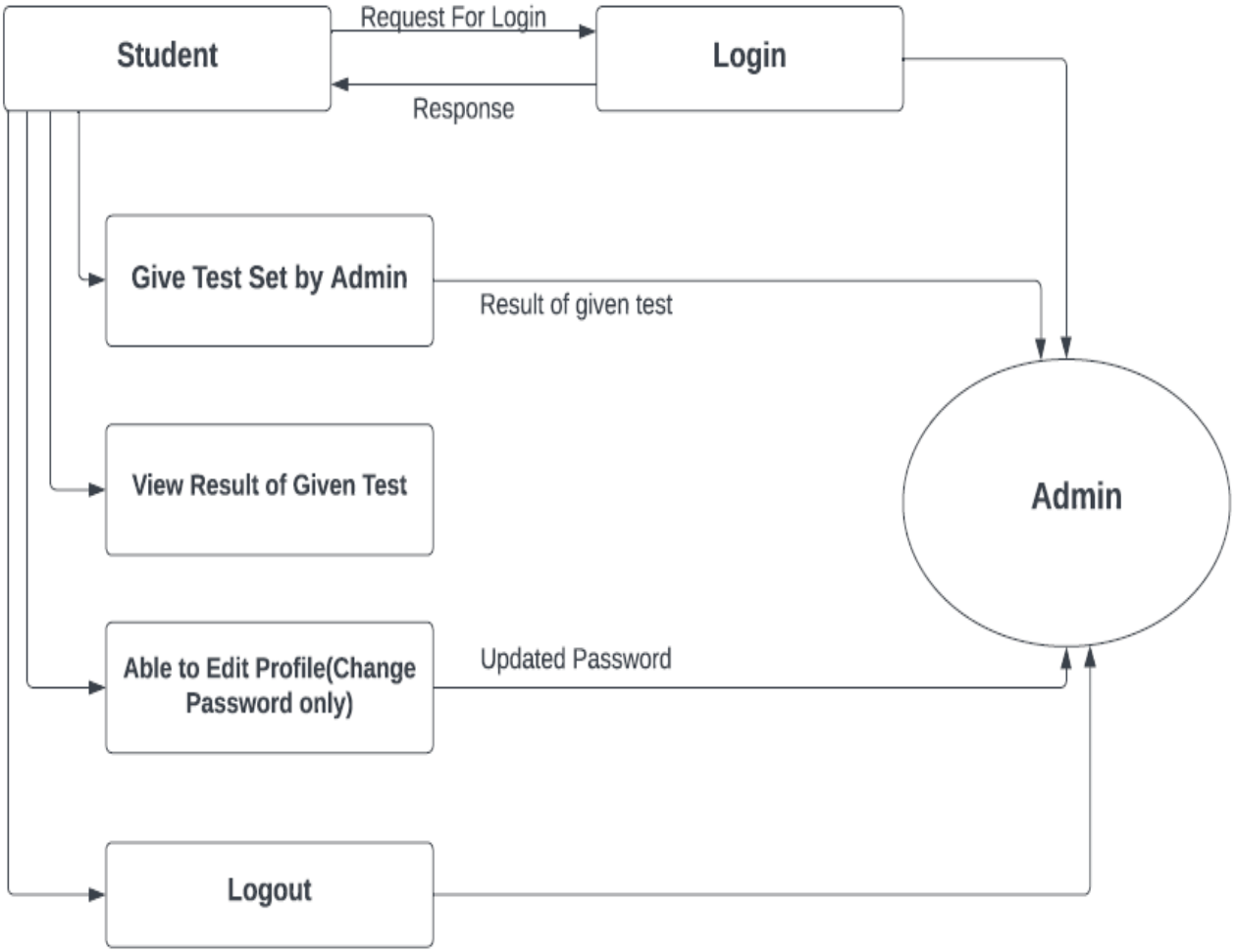
5.1.1 Data Flow Diagram (Level 0):



5.1.2 Data Flow Diagram (Level 1) – Admin (Institute) Module:

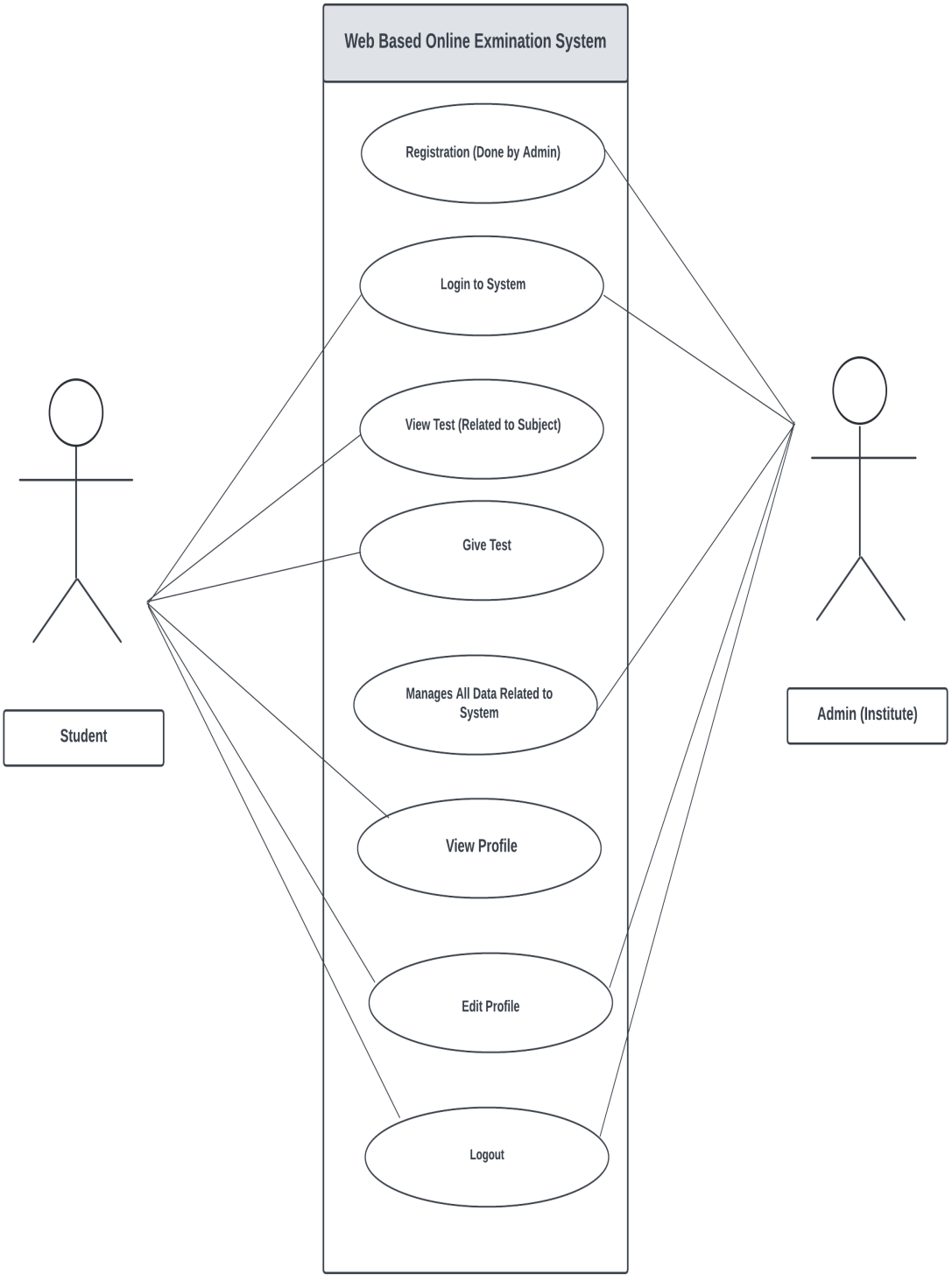


5.1.2 Data Flow Diagram (Level 1) – User (Student) Module:

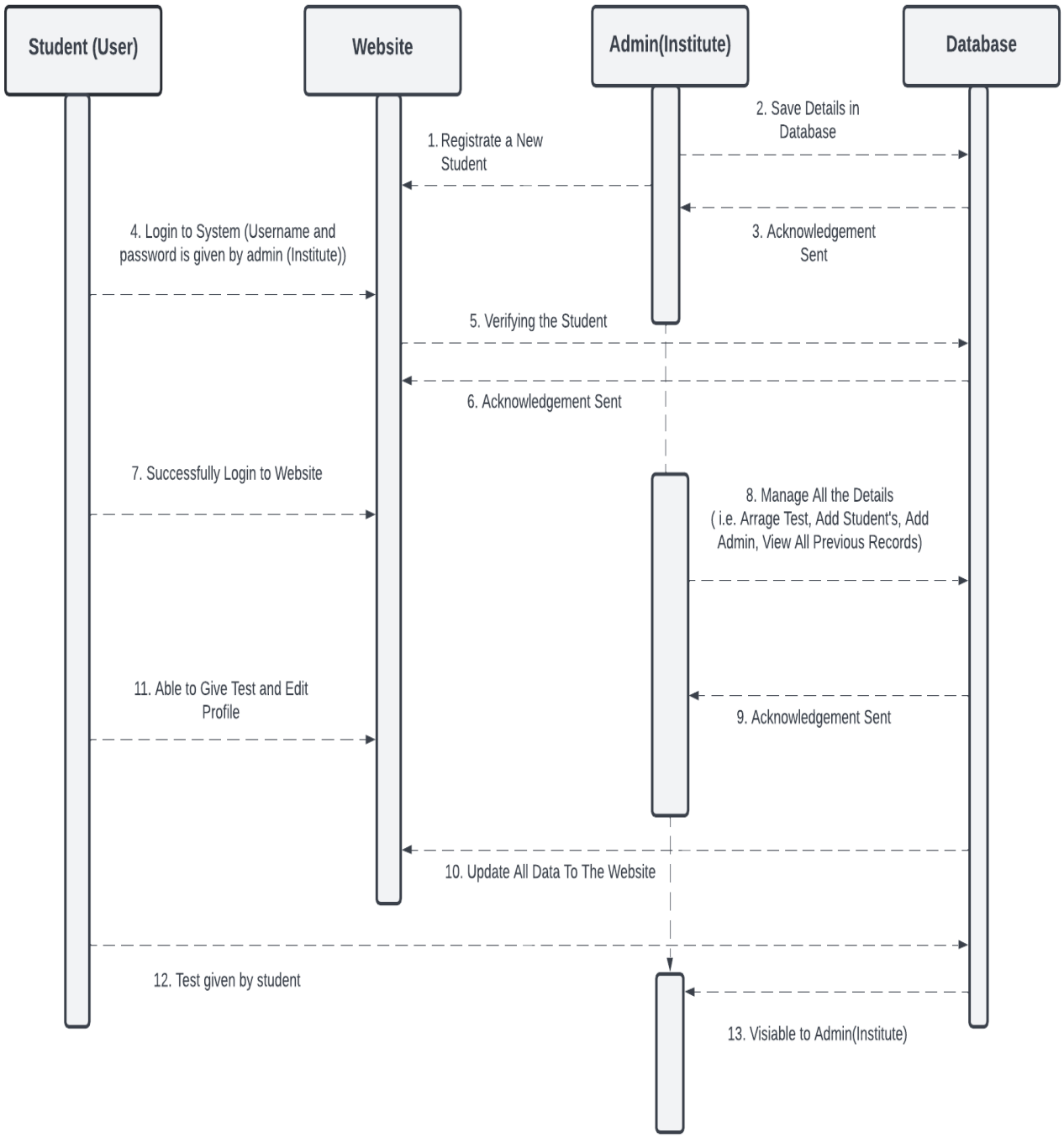


5.1.3 Data Flow Diagram (Level 2):

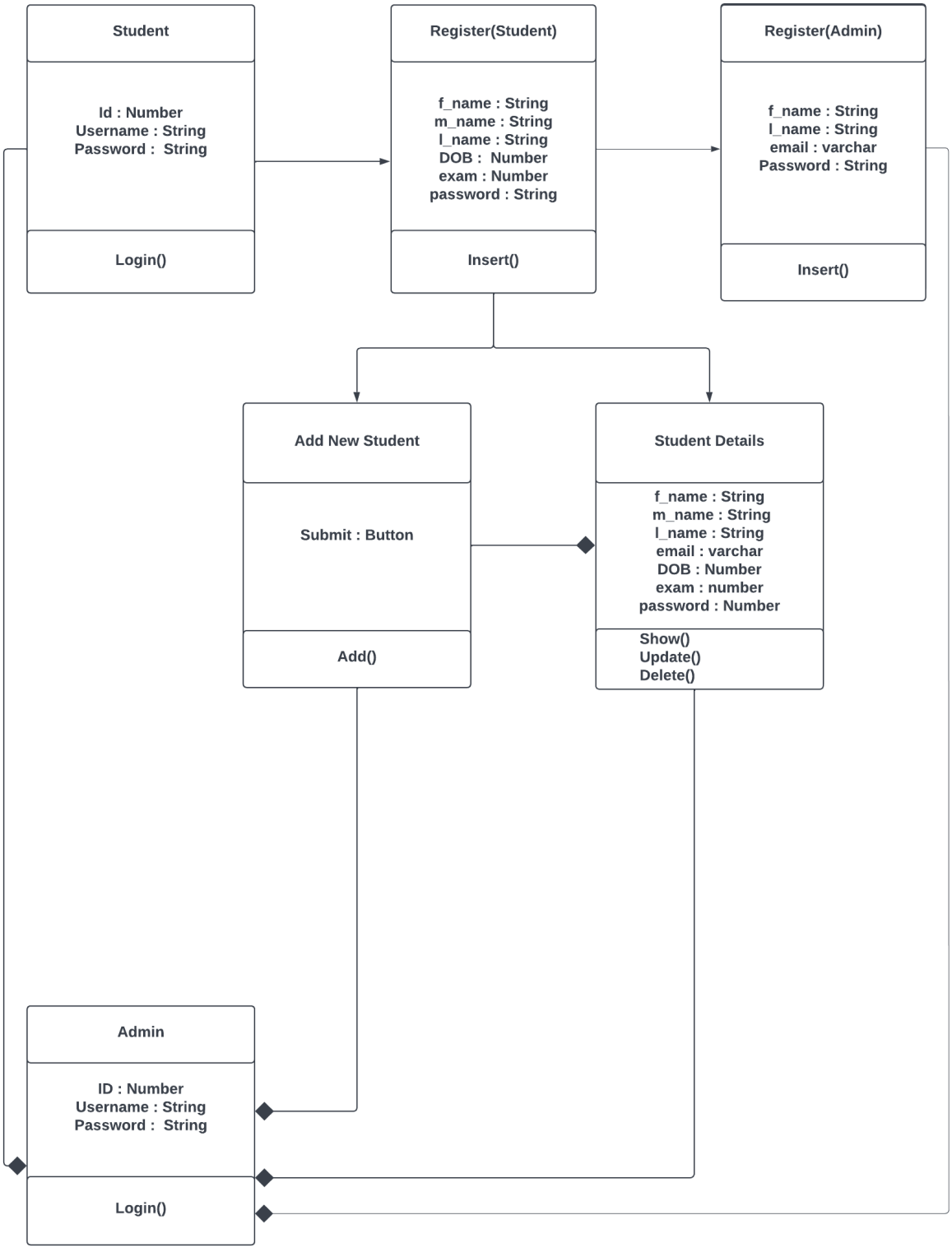
5.2 Use Case Diagram



5.3 Sequence Diagram :

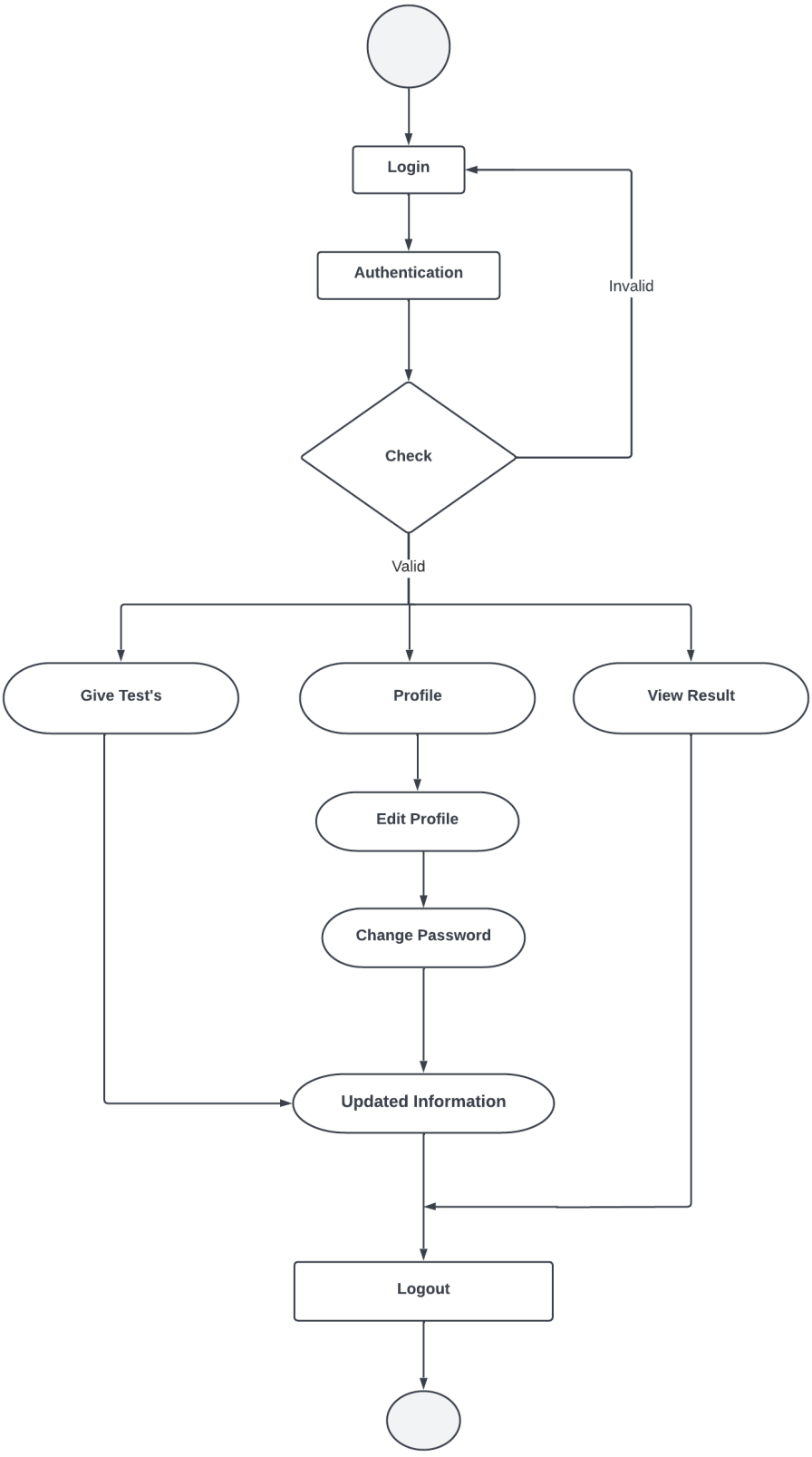


5.4 Class Diagram:

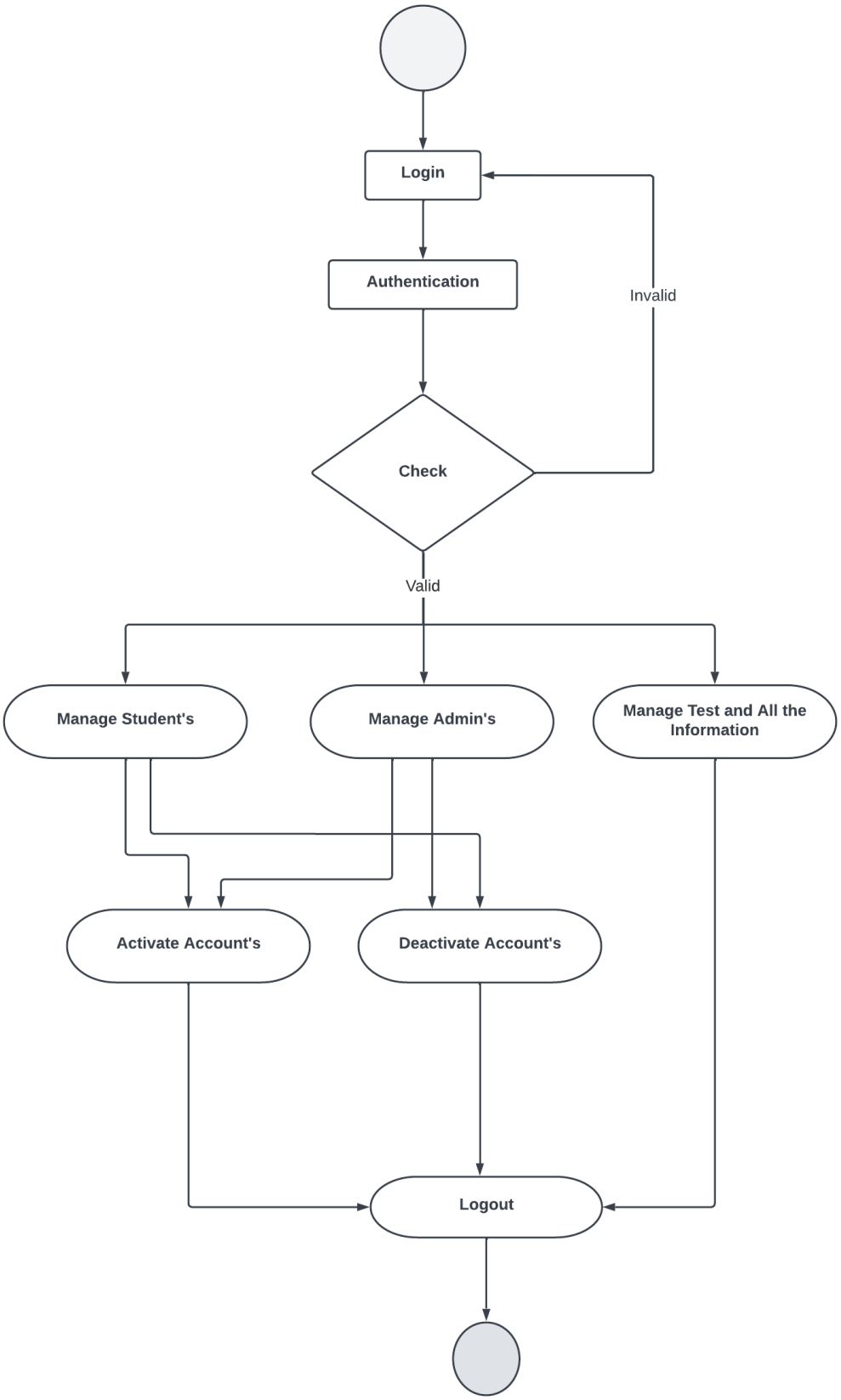


5.5 Activity Diagram

5.5.1 Activity Diagram – Student Module



5.5.2 Activity Diagram – Institute (Admin) Module



Chapter No 6

Implementation Details

6.1 Implementation Constraints Used:

- **Design:** HTML, CSS, Bootstrap, JavaScript.
- **Language:** PHP
- **Database:** MySQL
- **Platform for Deployment:** Cloud Hosting.

6.2 Algorithm

Step 1: Start

Step 2: Login to the system

Step 3: If Institute Login then,

1) Institute can add departments
2) Institute can add Class and Divisions
3) Institute can add Subjects
4) Institute can add Students
5) Institute can see the list of Students
6) Institute can add Groups
7) Institute can add Tests
8) Institute can see all Tests
9) Institute can see the result of Students
10) If Institute want to log out then Institute log out

Step 4: If Student Login then,

1) Student can see the subjects list
2) Student can able to attempt their exams
3) Student can check their Results
4) Student can get their forget password details
5) If student want to log out then student log out

Step 5: End

6.3 Pseudo Code:

6.3.1 Institute-Section

Login.php:

```
<?php

session_start();

include('connection.php');

$username = $db->real_escape_string($_POST['username']);

$password = $db->real_escape_string($_POST['password']);

$mpass    = md5(md5($password));


$sql = "SELECT * FROM institute_admin WHERE email = '$username' AND password =
'$mpass' LIMIT 1 ";

$sql_run = $db->query($sql);

$rows = $sql_run->fetch_array();

$numrows = $sql_run->num_rows;

if ($numrows > 0) {

   if (isset($_POST["rem_me"])) {

      setcookie("eusername1", $username, time() + (365 * 24 * 60 * 60));

      setcookie("epass1", $password, time() + (365 * 24 * 60 * 60));

   } else {

      if (isset($_COOKIE["eusername1"])) {

         setcookie("eusername1", "");

      }

      if (isset($_COOKIE["epass1"])) {

         setcookie("epass1", "");

      }

   }
```

```
    echo "success";
    $_SESSION["loginsession"] = $username;
} else {
    echo "wrong";
}
```

class.php:

```
<?php
include("session.php");
include("connection.php");
?>

                                <?php
                                $sql = "SELECT * FROM semesters";
                                $sql_run = $db->query($sql);
                                while ($rows = $sql_run->fetch_assoc()) {
                                ?>

                                  <?php echo $rows['sem_id'] ?>
php echo $rows['sem_name'] ?>
<a href="#" onclick="delete_sem('<?php echo $rows['sem_id'] ?>'

                                <?php } ?>

                            Add Class Divisions


                                <?php
```

```
$sql = "SELECT * FROM divisions";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <tr id="<?php echo $rows['div_id'] ?>">
      <td class="p-2 whitespace-nowrap">
         <div class="flex items-center">
            <div class="h-10"></div>
            <div class="text-gray-800 font-bold">Division - <?php echo $rows['div_name'] ?></div>
            <div class="text-center "><a href="#" onclick="delete_div('<?php echo $rows['div_id'] ?>');" </div>
      </td>
   </tr>
```

Addtest.php

```
<?php
include("session.php");
include("connection.php");
?>
<?php
$sql = "SELECT * FROM departments";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['dept_id'] ?>"><?php echo $rows['dept_name'] ?></option>
<?php } ?>
```

```
<?php
$sql = "SELECT * FROM class_years";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['year_id'] ?>"><?php echo $rows['year_name'] ?></option>
<?php } ?>
<?php
$sql = "SELECT * FROM semesters";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['sem_id'] ?>"><?php echo $rows['sem_name'] ?></option>
<?php } ?>
```

Groups.php:

```
<?php
$sql = "SELECT * FROM departments";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['dept_id'] ?>"><?php echo $rows['dept_name'] ?></option>
<?php } ?>


<?php
$sql = "SELECT * FROM class_years";
```

```
                    $sql_run = $db->query($sql);
                    while ($rows = $sql_run->fetch_assoc()) {
                    ?>
                        <option value="<?php echo $rows['year_id'] ?>"><?php echo
$rows['year_name'] ?></option>
                    <?php } ?>
                    <?php
                    $sql = "SELECT * FROM semesters";
                    $sql_run = $db->query($sql);
                    while ($rows = $sql_run->fetch_assoc()) {
                    ?>
                        <option value="<?php echo $rows['sem_id'] ?>"><?php echo
$rows['sem_name'] ?></option>
                    <?php } ?>
                  <?>query($sql);
                    while ($rows = $sql_run->fetch_assoc()) {
                    ?>
                        <option value="<?php echo $rows['dept_id'] ?>"><?php echo
$rows['dept_name'] ?></option>
                    <?php } ?>


                  </select>
                </div>
              </div>
              <div>
                <div class="btn-group bootstrap-select rounded-md">
                  <select name="year" class="selectpicker border rounded-md"
tabindex="-98" required>
```

```
                        <option selected disabled>Choose year</option>
                        <?php
                        $sql = "SELECT * FROM class_years";
                        $sql_run = $db->query($sql);
                        while ($rows = $sql_run->fetch_assoc()) {
                        ?>
                            <option value="<?php echo $rows['year_id'] ?>"><?php echo
$rows['year_name'] ?></option>
                        <?php } ?>
                      </select>
                    </div>
                  </div>
                  <div>
                    <div class="btn-group bootstrap-select rounded-md">
                      <select name="sem" class="selectpicker border rounded-md"
tabindex="-98" required>
                        <option selected disabled>Choose semester</option>
                        <?php
                        $sql = "SELECT * FROM semesters";
                        $sql_run = $db->query($sql);
                        while ($rows = $sql_run->fetch_assoc()) {
                        ?>
                            <option value="<?php echo $rows['sem_id'] ?>"><?php echo
$rows['sem_name'] ?></option>
                        <?php } ?>

            <?php
```

```
if (isset($_GET['department']) && isset($_GET['year']) &&
isset($_GET['sem'])) {
?>
<?php
$d = $_GET['department'];
$sqld = "SELECT dept_name FROM departments WHERE dept_id
= '$d' ";
$sql_rund = $db->query($sqld);
$rowsd = $sql_rund->fetch_assoc();
$dn = $rowsd['dept_name'];

$y = $_GET['year'];
$sqly = "SELECT year_name FROM class_years WHERE  year_id
= '$y' ";
$sql_runy = $db->query($sqly);
$rowsy = $sql_runy->fetch_assoc();
$yn = $rowsy['year_name'];
$s = $_GET['sem'];
$sqls = "SELECT sem_name FROM semesters WHERE sem_id =
'$s' ";
$sql_runs = $db->query($sqls);
$rowss = $sql_runs->fetch_assoc();
$sn = $rowss['sem_name'];
$sql = "SELECT grp_id, grp_name FROM test_groups WHERE
dept_id = '$d' && year_id = '$y' && sem_id='$s'";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {

?>
```

Subjects.php:

```
<?php
$sql = "SELECT * FROM departments";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['dept_id'] ?>"><?php echo $rows['dept_name'] ?></option>
<?php } ?>


<?php
$sql = "SELECT * FROM class_years";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['year_id'] ?>"><?php echo $rows['year_name'] ?></option>
<?php } ?>
<?php
$sql = "SELECT * FROM semesters";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['sem_id'] ?>"><?php echo $rows['sem_name'] ?></option>


<?php
$sql = "SELECT * FROM departments";
```

```
                $sql_run = $db->query($sql);
                while ($rows = $sql_run->fetch_assoc()) {
                ?>
                    <option value="<?php echo $rows['dept_id'] ?>"><?php echo
$rows['dept_name'] ?></option>
                <?php } ?>

                <option selected disabled>Choose year</option>
                <?php
                $sql = "SELECT * FROM class_years";
                $sql_run = $db->query($sql);
                while ($rows = $sql_run->fetch_assoc()) {
                ?>
                    <option value="<?php echo $rows['year_id'] ?>"><?php echo
$rows['year_name'] ?></option>
                <?php } ?>
                <?php
                $sql = "SELECT * FROM semesters";
                $sql_run = $db->query($sql);
                while ($rows = $sql_run->fetch_assoc()) {
                ?>
                    <option value="<?php echo $rows['sem_id'] ?>"><?php echo
$rows['sem_name'] ?></option>
                <?php } ?>



            <?php
```

```
if (isset($_GET['department']) && isset($_GET['year']) &&
isset($_GET['sem'])) {
?>
<?php
$d = $_GET['department'];
$sqld = "SELECT dept_name FROM departments WHERE dept_id
= '$d' ";
$sql_rund = $db->query($sqld);
$rowsd = $sql_rund->fetch_assoc();
$dn = $rowsd['dept_name'];

$y = $_GET['year'];
$sqly = "SELECT year_name FROM class_years WHERE  year_id
= '$y' ";
$sql_runy = $db->query($sqly);
$rowsy = $sql_runy->fetch_assoc();
$yn = $rowsy['year_name'];
$s = $_GET['sem'];
$sqls = "SELECT sem_name FROM semesters WHERE sem_id =
'$s' ";
$sql_runs = $db->query($sqls);
$rowss = $sql_runs->fetch_assoc();
$sn = $rowss['sem_name'];
$sql = "SELECT subject_id, subject_name FROM subjects WHERE
dept_id = '$d' && year_id = '$y' && sem_id='$s'";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {

?>
```

Testlist.php:

```
<?php
$sql = "SELECT * FROM class_years";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['year_id'] ?>"><?php echo $rows['year_name'] ?></option>
<?php } ?>
<?php
$sql = "SELECT * FROM semesters";
$sql_run = $db->query($sql);
while ($rows = $sql_run->fetch_assoc()) {
?>
   <option value="<?php echo $rows['sem_id'] ?>"><?php echo $rows['sem_name'] ?></option>
<?php } ?>
<?php
if (isset($_GET['department']) && isset($_GET['year']) && isset($_GET['sem'])) {
   $d = $_GET['department'];
   $sqld = "SELECT dept_name FROM departments WHERE dept_id = '$d' ";
   $sql_rund = $db->query($sqld);
   $rowsd = $sql_rund->fetch_assoc();
   $dn = $rowsd['dept_name'];

   $y = $_GET['year'];
   $sqly = "SELECT year_name FROM class_years WHERE  year_id = '$y' ";
```

```
                $sql_runy = $db->query($sqly);
                $rowsy = $sql_runy->fetch_assoc();
                $yn = $rowsy['year_name'];

                $s = $_GET['sem'];
                $sqls = "SELECT sem_name FROM semesters WHERE sem_id = '$s' ";
                $sql_runs = $db->query($sqls);
                $rowss = $sql_runs->fetch_assoc();
                $sn = $rowss['sem_name'];
            ?>
                        <?php

                        $sql = "SELECT * FROM testdetails WHERE dept_id = '$d' &&
year_id = '$y' && sem_id='$s'";
                        $sql_run = $db->query($sql);
                        $nr = $sql_run->num_rows;
                        while ($rows = $sql_run->fetch_assoc()) {
                            $x = $rows['subject_id'];
                            $sql = "SELECT subject_name FROM subjects WHERE
subject_id = '$x'";
                            $sql_runs = $db->query($sql);
                            $sub  = $sql_runs->fetch_assoc();
                            $subname = $sub['subject_name'];;
                        ?>
  <div class="text-gray-800 font-bold">
                                <?php
                                echo $subname;
                                ?>
```

```
<?php
if ($rows['status'] == "enabled") {
?>
```

Result_student.php:

```
<?php
        if (isset($_GET['student'])) {
            $roll = $_GET['student'];
            $query = "SELECT * FROM students WHERE exam_num='$roll'";
            $results = $db->query($query);
            $rows = $results->fetch_array();
            $fname = $rows['fname'];
            $mname = $rows['mname'];
            $lname = $rows['lname'];
            $email = $rows['email'];
            $year = $rows['year_id'];
            $dept = $rows['dept_id'];
            $sem = $rows['sem_id'];
            $exam_num = $rows['exam_num'];
            $stud_id = $rows['student_id'];

            $sqld = "SELECT dept_name FROM departments WHERE dept_id = '$dept'
";
            $sql_rund = $db->query($sqld);
            $rowsd = $sql_rund->fetch_assoc();
            $dn = $rowsd['dept_name'];

            $sqly = "SELECT year_name FROM class_years WHERE  year_id = '$year'
";
```

```
                $sql_runy = $db->query($sqly);
                $rowsy = $sql_runy->fetch_assoc();
                $yn = $rowsy['year_name'];

                $sqls = "SELECT sem_name FROM semesters WHERE sem_id = '$sem' ";
                $sql_runs = $db->query($sqls);
                $rowss = $sql_runs->fetch_assoc();
                $sn = $rowss['sem_name'];
            ?>
  <?php
                        $query = "SELECT * FROM history WHERE
username='$stud_id'";
                        $run = $db->query($query);
                        while ($result = $run->fetch_array()) {
                            $stud_id = $result['username'];
                            $testid = $result['eid'];

                            $query = "SELECT * FROM testdetails WHERE eid='$testid '";
                            $results = $db->query($query);
                            $rows = $results->fetch_array();
                            $n = $rows['total'];
                            $title = $rows['title'];
                            $subject = $rows['subject_id'];
                            $title = $rows['title'];
                            $correct = $rows['correct'];
                            $wrong = $rows['wrong'];
                            $time = $rows['time'];
```

```
                    $sqlsub = "SELECT subject_name FROM subjects WHERE
subject_id = '$subject'";

                    $sql_run = $db->query($sqlsub);

                    $rows = $sql_run->fetch_assoc();

                    $subname = $rows['subject_name'];

                ?>
```

Update.php:

```
<?php

include("session.php");

include("connection.php");

if (isset($_GET['task']) && $_GET['task'] == "new_test") {

    $d = $_POST['dept'];

    $y = $_POST['year'];

    $s = $_POST['sem'];

    $sub = $_POST['subject'];

    $title    = $_POST['title'];

    $title    = ucwords(strtolower($title));

    $total   = $_POST['total'];

    $correct = $_POST['right'];

    $wrong   = $_POST['wrong'];

    $time    = $_POST['time'];

    $status  = "disabled";

    $id      = uniqid('T');

    date_default_timezone_set("Asia/Kolkata");   //India time (GMT+5:30)

    $date    = date('d-m-Y H:i:s');
```

```
    $sql = $sql = "INSERT INTO testdetails (id, eid, dept_id, year_id, sem_id, subject_id,
title, correct, wrong, total, time, date, status) VALUES
(NULL,'$id','$d','$y','$s','$sub','$title','$correct','$wrong','$total','$time','$date','$status')";

    $sql_run     = $db->query($sql);

    if ($sql_run) {

        echo '{"msg":"success","test_id":"' . $id . '"}';

    } else {

        echo '{"msg":"error"}';

    }

}




if (isset($_GET['test_id']) && $_GET['task'] == "addqns") {

    $tid      = $_GET['test_id'];

    $query    = "SELECT * FROM testdetails WHERE eid='$tid'";

    $results  = $db->query($query);

    $num      = $results->fetch_array();

    $n        = $num['total'];

    $ch       = "4";

    for ($i = 1; $i <= $n; $i++) {

        $qid  = uniqid('Q-');

        $qns  = addslashes($_POST['qns' . $i]);

        $q3   = $db->query("INSERT INTO questions(id, eid, qid, qns, choice, sn) VALUES
(NULL,'$tid','$qid','$qns','$ch','$i')") or die();

        $oaid = uniqid('OP-');

        $obid = uniqid('OP-');

        $ocid = uniqid('OP-');

        $odid = uniqid('OP-');
```

```
$a    = addslashes($_POST[$i . '1']);
$b    = addslashes($_POST[$i . '2']);
$c    = addslashes($_POST[$i . '3']);
$d    = addslashes($_POST[$i . '4']);
$qa   = $db->query("INSERT INTO options VALUES  (NULL,'$qid','$a','$oaid','1')");
$qb   = $db->query("INSERT INTO options VALUES  (NULL,'$qid','$b','$obid','2')");
$qb   = $db->query("INSERT INTO options VALUES  (NULL,'$qid','$c','$ocid','3')");
$qd   = $db->query("INSERT INTO options VALUES  (NULL,'$qid','$d','$odid','4')");
$e    = $_POST['ans' . $i];
switch ($e) {
   case 'a':
      $ansid = $oaid;
      break;

   case 'b':
      $ansid = $obid;
      break;

   case 'c':
      $ansid = $ocid;
      break;

   case 'd':
      $ansid = $odid;
      break;

   default:
```

```
            $ansid = $oaid;
        }

        $qans = $db->query("INSERT INTO answer VALUES(NULL,'$qid','$ansid')");
    }
    echo '{"msg":"success","test_id":"' . $tid . '"}';
}

if (isset($_GET['test_id']) && isset($_GET['questionid']) && $_GET['task'] == "edit") {
    $tid = $_GET['test_id'];
    $qid = $_GET['questionid'];
    $qns = addslashes($_POST['qns']);

    $op1 = $_POST['11'];
    $op2 = $_POST['21'];
    $op3 = $_POST['31'];
    $op4 = $_POST['41'];
    $ans = $_POST['ans'];
    $ops = array();
    $ops[0] = addslashes(strval($op1));
    $ops[1] = addslashes(strval($op2));
    $ops[2] = addslashes(strval($op3));
    $ops[3] = addslashes(strval($op4));
    $r1  = $db->query("UPDATE answer SET ansid='$ans' WHERE qid='$qid' ");

    $r2  = $db->query("UPDATE questions SET qns='$qns' WHERE qid='$qid'");
```

```
    $opt = $db->query("SELECT * FROM options WHERE  qid='$qid' ORDER BY opno ASC");


    $it = 0;
    while ($opout = $opt->fetch_array()) {
        $opnid = $opout['optionid'];
        $myop = $ops[$it];
        $xa = "UPDATE options SET options = '$myop' WHERE optionid = '$opnid';";
        $x1  = $db->query($xa);
        $it++;
    }
    echo '{"msg":"success","test_id":"' . $tid . '"}';
}
// disable test
if (isset($_GET['test_id']) && $_GET['task'] == "disable") {
    $eid = $_GET['test_id'];
    $r1 = $db->query("UPDATE testdetails SET status='disabled' WHERE eid='$eid' ") or die('Error');
    // $q = mysqli_query($db, "SELECT * FROM cexamhistory WHERE eid='$eid' AND status='ongoing' AND score_updated='false'");
    // while ($row = mysqli_fetch_array($q)) {
    //     $user = $row['username'];
    //     $s = $row['score'];
    //     $r1 = mysqli_query($db, "UPDATE cexamhistory SET status='finished',score_updated='true' WHERE eid='$eid' AND username='$user' ") or die('Error');
    // }
    if($r1){
        echo '{"msg":"disabled"}';
```

```
    }
}


// enable test
if (isset($_GET['test_id']) && $_GET['task'] == "enable") {
    $tid = $_GET['test_id'];
    $r1  = $db->query("UPDATE testdetails SET status='enabled' WHERE eid='$tid' ") or
die('Error');
    if($r1){
        echo '{"msg":"enabled"}';
    }
}
// remove
if (isset($_GET['test_id']) && $_GET['task'] == "remove") {
    $eid = $_GET['test_id'];
    $result = $db->query("SELECT * FROM questions WHERE eid='$eid' ") or die('Error');
    while ($row = $result->fetch_array()) {
        $qid = $row['qid'];
        $r1  = $db->query("DELETE FROM options WHERE qid='$qid'") or die('Error');
        $r2  = $db->query("DELETE FROM answer WHERE qid='$qid' ") or die('Error');
    }
    $r2  = $db->query("DELETE FROM user_answer WHERE eid='$eid' ") or die('Error');
    $r3 = $db->query("DELETE FROM questions WHERE eid='$eid' ") or die('Error');
    $r4 = $db->query("DELETE FROM testdetails WHERE eid='$eid' ") or die('Error');
    $r4 = $db->query("DELETE FROM history WHERE eid='$eid' ") or die('Error');
    echo '{"msg":"removed"}';
}
```

Connection.php:

```
<?php
include("data.php");


$db = new mysqli($hostname, $username, $password, $dbname);
if(!$db){
   die("Connection Not Established".$db->connect_error);
}
?>
```

Logout.php:

```
<?php
session_start();
session_destroy();
header('location:login.php');
?>
```

6.3.2 Student-Section

Answer.php :

```
<?php
include("session.php");
include("connection.php");
include("student_detail.php");
ob_start();
$testid = $_GET['eid'];
if (!isset($testid) || empty($testid)) {
    header("location: index.php");
}

$sqlgrp = "SELECT * FROM grp_member WHERE student_id='$stud_id' GROUP BY
grp_id";
$sql_run_grp = $db->query($sqlgrp);
$fetched_grp = "";
$finalgrp = "";
while ($result_grp = $sql_run_grp->fetch_assoc()) {
    $fetched_grp = "," . $result_grp['grp_id'];
}
if (strlen($fetched_grp) != 0) {
    $finalgrp = substr($fetched_grp, 1);
} else {
    $finalgrp  = "";
}
$groups_of_stud = explode(",", $finalgrp);
```

```
$q = $db->query("SELECT * FROM testdetails WHERE eid='$testid' ") or die('Error197');
$testdetails = mysqli_fetch_array($q);
$titleT = $testdetails['title'];
$deptT = $testdetails['dept_id'];
$yearT = $testdetails['year_id'];
$semT = $testdetails['sem_id'];
$sub_idT = $testdetails['subject_id'];
$correctT = $testdetails['correct'];
$totalT = $testdetails['total'];
$timeT = $testdetails['time'];
$dateT = $testdetails['date'];
$statusT = $testdetails['status'];
$grp_idT = $testdetails['grp_id'];

$groups = explode(",", $grp_idT);
$counter = 0;
for ($i = 0; $i < count($groups_of_stud); $i++) {
    if (in_array($groups_of_stud[$i], $groups)) {
        $counter++;
    }
}

if ($counter == 0) {
    header("location: index.php");
}

$history    = "SELECT * FROM history WHERE eid='$testid' AND username='$stud_id'";
```

```
$resq  = $db->query($history);
$reshis = $resq->fetch_array();
if ($resq->num_rows > 0) {
   $stateH = $reshis['status'];
   $scoreH = $reshis['score_updated'];
   if (($stateH == 'finished') && ($scoreH == 'true')) {
      header("location: index.php");
   }
}
?>
                <?php

              if (@$_GET['q'] == 'quiz' && @$_GET['step'] == 2 && isset($_GET['start']) && $_GET['start'] == "start" && (!isset($_SESSION['6e447159425d2d'']))) {

                  $q = mysqli_query($db, "SELECT * FROM history WHERE username='$stud_id' AND eid='$testid' ") or die('Error197');
                  if (mysqli_num_rows($q) > 0) {
                     $q = mysqli_query($db, "SELECT * FROM history WHERE username='$stud_id' AND eid='$testid' ") or die('Error197');
                     while ($row = mysqli_fetch_array($q)) {
                        $timel  = $row['timestamp'];
                        $status = $row['status'];
                     }
                     $q = mysqli_query($db, "SELECT * FROM testdetails WHERE eid='$testid' ") or die('Error197');
                     while ($row = mysqli_fetch_array($q)) {
                        $ttimel  = $row['time'];
```

```
                $qstatus = $row['status'];
            }
            $remaining = (($ttimel * 60) - ((time() - $timel)));
            if ($status == "ongoing" && $remaining > 0 && $qstatus == "enabled") {
                $_SESSION['6e447159425d2d'] = "6e447159425d2d";
                header('location:answer.php?q=quiz&step=2&eid=' . $testid . '&n=' .
$_GET['n'] . '&t=' . $_GET['t']);
            } else {
                $q = mysqli_query($db, "UPDATE history SET status='finished'
WHERE username='$stud_id' AND eid='$testid' ") or die('Error197');
                $q = mysqli_query($db, "SELECT * FROM history WHERE
eid='$testid' AND username='$stud_id'") or die('Error156');
                while ($row = mysqli_fetch_array($q)) {
                    $s = $row['score'];
                    $scorestatus = $row['score_updated'];
                }
                if ($scorestatus == "false") {
                    $q = mysqli_query($db, "UPDATE history SET score_updated='true'
WHERE username='$stud_id' AND eid='$testid' ") or die('Error197');
                }
                header('location:viewresult.php?q=result&eid=' . $testid);
            }
        } else {
            if (empty($stud_id)) {
                header("location: login.php");
            } else {
                $time = time();
```

```
                $q = mysqli_query($db, "INSERT INTO history
VALUES(NULL,'$stud_id','$testid' ,'0','0','0','0',NOW(),'$time','ongoing','false')") or
die('Error137');

                $_SESSION['6e447159425d2d'] = "6e447159425d2d";

                header('location:answer.php?q=quiz&step=2&eid=' . $testid . '&n=' .
$_GET["n"] . '&t=' . $_GET["t"]);

            }

        }

    }


    ?>


    <?php

    if (@$_GET['q'] == 'quiz' && @$_GET['step'] == 2 &&
isset($_SESSION['6e447159425d2d']) && $_SESSION['6e447159425d2d'] ==
"6e447159425d2d") {

        $q = mysqli_query($db, "SELECT * FROM history WHERE
username='$stud_id' AND eid='$testid' ") or die('Error197');

        $eid   = @$_GET['eid'];

        $sn    = @$_GET['n'];

        $total = @$_GET['t'];

        $z = mysqli_query($db, "SELECT * FROM testdetails WHERE eid='$eid'")
or die('Error199');

        $x = mysqli_fetch_array($z);


        $vtotal =  $x['total'];

        if ($sn > $total) {

            header("location:index.php");

        }

        if ($total > $vtotal) {
```

```
            header("location:index.php");
        }
        if (mysqli_num_rows($q) > 0) {
            $q = mysqli_query($db, "SELECT * FROM history WHERE
username='$stud_id' AND eid='$testid' ") or die('Error197');
            while ($row = mysqli_fetch_array($q)) {
                $time   = $row['timestamp'];
                $status = $row['status'];
            }
            $q = mysqli_query($db, "SELECT * FROM testdetails WHERE
eid='$testid' ") or die('Error197');
            while ($row = mysqli_fetch_array($q)) {
                $ttime   = $row['time'];
                $qstatus = $row['status'];
            }
            $remaining = (($ttime * 60) - ((time() - $time)));
            if ($status == "ongoing" && $remaining > 0 && $qstatus == "enabled") {
                $q = mysqli_query($db, "SELECT * FROM history WHERE
username='$stud_id' AND eid='$testid' ") or die('Error197');
                while ($row = mysqli_fetch_array($q)) {
                    $time = $row['timestamp'];
                }
                $q = mysqli_query($db, "SELECT * FROM testdetails WHERE
eid='$testid' ") or die('Error197');
                while ($row = mysqli_fetch_array($q)) {
                    $ttime = $row['time'];
                }
                $remaining = (($ttime * 60) - ((time() - $time)));
```

```
echo '<script>
                var seconds = ' . $remaining . ' ;
                function end(){

                    window.location
="endofquiz.php?q=quiz&step=2&eid=' . $testid . '&n=' . $_GET["n"] . '&t=' .
isset($_GET["total"]) . '&endquiz=end";

                }
                function enable(){

document.getElementById("sbutton").removeAttribute("disabled");

                }
                function frmreset(){

document.getElementById("sbutton").setAttribute("disabled","true");
                   document.getElementById("qform").reset();
                }
                   function secondPassed() {
                   var minutes = Math.round((seconds - 30)/60);
                   var remainingSeconds = seconds % 60;
                   if (remainingSeconds < 10) {
                      remainingSeconds = "0" +
remainingSeconds;
                   }

document.getElementById(\'countdown\').innerHTML = minutes + ":" +
remainingSeconds;
```

```
                                        if (seconds <= 0) {
                                            clearInterval(countdownTimer);

document.getElementById(\'countdown\').innerHTML = "Buzz Buzz...";
                                            window.location
="endofquiz.php?q=quiz&step=2&eid=' . $testid . '&n=' . $_GET["n"] . '&t=' .
isset($_GET["total"]) . '&endquiz=end";
                                        } else {
                                            seconds--;
                                        }
                                        }
                                        var countdownTimer =
setInterval(\'secondPassed()\', 1000);
                                    </script>';
                $eid   = $_GET['eid'];
                $sn    = $_GET['n'];
                $total = $_GET['t'];
                $q     = mysqli_query($db, "SELECT * FROM questions WHERE
eid='$eid' AND sn='$sn' ");
                while ($row = mysqli_fetch_array($q)) {
                    $qns = stripslashes($row['qns']);
                    $qid = $row['qid'];
                    $qh     = mysqli_query($db, "SELECT * FROM answer WHERE
qid='$qid'");
                    while ($rowh = mysqli_fetch_array($qh)) {
                    }
                }

                // this statement is used for visited question
```

```
$q = mysqli_query($db, "SELECT * FROM user_answer WHERE
username='$stud_id' AND eid='$eid' and qid='$qid' ") or die('Error197');

if (mysqli_num_rows($q) == 0) {

$qcn = mysqli_query($db, "SELECT * FROM answer WHERE
qid='$qid' ") or die('Error197');

$cns = mysqli_fetch_array($qcn);

$cqn = $cns['ansid'];

$q = mysqli_query($db, "INSERT INTO user_answer
VALUES(NULL,'$qid','','$cqn','$eid','$stud_id','2')");

}

//query end

echo '<form id="qform" action="updatequiz.php?q=quiz&step=2&eid=' .
$eid . '&n=' . $sn . '&t=' . $total . '&qid=' . $qid . '" method="POST" >';

?>

<?php   //complete timer and finish

echo '<div style="border-radius:none mt-0" class="tube-card z-20 mb-4
overflow-hidden uk-sticky " uk-sticky="cls-active:rounded-none ; media: 992 ; offset:70">

<nav class="flex justify-between px-4 py-2">

<button id="countdown" class="bg-yellow-500 hover:bg-yellow-500
text-black font-bold hover:text-black py-2 px-4 border border-yellow-500 hover:border-
transparent rounded">20:20</button>

<span class="bg-red-500 hover:bg-red-500 text-white font-bold
hover:text-white py-2 px-4 border border-red-500 hover:border-transparent rounded"
onclick="end()" style="font-size:15px;font-weight:bold">

FINISH

</span>

</nav>

</div>';
```

```
// complete timer and finish
$eid   = @$_GET['eid'];
$sn    = @$_GET['n'];
$total = @$_GET['t'];
$q     = mysqli_query($db, "SELECT * FROM questions WHERE eid='$eid' AND sn='$sn' ");

echo '<div class="tube-card p-6" id="Overview">
        <div class="space-y-2">';    //this divs not closed yet
while ($row = mysqli_fetch_array($q)) {
   $qns = stripslashes($row['qns']);

   $qid = $row['qid'];
   $qh     = mysqli_query($db, "SELECT * FROM answer WHERE qid='$qid'");
   while ($rowh = mysqli_fetch_array($qh)) {
   }
   //question number and question
   echo '
  <div class="p-2 border border-purple-500">
        Q. ' . $sn .  ')' . $qns . '
  </div>

  ';
}
```

```
                $q = mysqli_query($db, "SELECT * FROM user_answer WHERE
qid='$qid' AND username='$stud_id' AND eid='$testid' and status!='2'") or die("Error222");

                if (mysqli_num_rows($q) > 0) {

                   $row = mysqli_fetch_array($q);

                   $ans = $row['ans'];

                   if (!empty($ans)) {

                      $q = mysqli_query($db, "SELECT * FROM options WHERE
qid='$qid' AND optionid='$ans'") or die("Error222");

                      $row = mysqli_fetch_array($q);

                      $ans = stripslashes($row['options']);

                   }

                } else {

                   $ans = "";

                }

                if (strlen($ans) > 0) {

                   echo '<div class="text-center"">

                            <font class="text-green-500 font-bold">Your Answer:
</font><font class="text-black font-bold">' . $ans . '</font>

                         </div>';

                }

                echo '<div class="space-y-2 lg:w-12/12">';

                $q = mysqli_query($db, "SELECT * FROM options WHERE qid='$qid'
");

                while ($row = mysqli_fetch_array($q)) {

                   $option   = stripslashes($row['options']);

                   $optionid = $row['optionid'];

                   $ch = mysqli_query($db, "SELECT * FROM user_answer WHERE
qid='$qid' and username='$stud_id' and eid='$eid'");

                   $num = mysqli_num_rows($ch);
```

```
                    $ress = mysqli_fetch_array($ch);
                    $answ = $ress['ans'];
                    if (!(empty($answ))) {
                ?>
                    <label for="<?php echo $optionid ?>" class="checkbox border p-2
w-full pl-4">
                        <input type="radio" id="<?php echo $optionid ?>" name="ans"
value="<?php echo $optionid ?>" <?php if ($optionid == $answ) {
                                                                    echo
"checked";
                                                                } ?>>
                        <label for="<?php echo $optionid ?>" class="ml-4">
                            <span class="checkbox-icon mt-1 -ml-4"></span> <span
class="text-base"> <?php echo $option; ?> </span>
                        </label>
                    </label>
                    <?php
                    } else {
                    ?>
                    <label for="<?php echo $optionid ?>" class="checkbox border p-2
w-full pl-4">
                        <input type="radio" id="<?php echo $optionid ?>" name="ans"
value="<?php echo $optionid ?>">
                        <label for="<?php echo $optionid ?>" class="ml-4">
                            <span class="checkbox-icon mt-1 -ml-4"></span> <span
class="text-base"> <?php echo $option; ?> </span>
                        </label>
                    </label>
            <?php
                    }
```

```
}
echo '</div><br><hr>';

if ($_GET["t"] > $_GET["n"] && $_GET["n"] != 1) {
   echo '<nav class="flex justify-between py-2 w-full">
        <a class="text-white bg-blue-500 border border-solid border-blue-500 hover:bg-blue-500 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150 font-extrabold" href="answer.php?q=quiz&step=2&eid=' . $eid . '&n=' . ($sn - 1) . '&t=' . $total . '" >
         <span class="icon-material-outline-arrow-back">
        </span>
        </a>
       <label for="rvmrk" class="flex text-purple-600 bg-transparent border border-solid border-purple-600 hover:bg-purple-600 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">
        <input  type="checkbox" class="form-checkbox h-4 w-4" value="1" name="status" id="rvmrk">
          Review
       </label>
       <button type="submit" name="anssub" id="sbutton" class="text-black bg-yellow-500 border border-solid border-yellow-500 hover:bg-yellow-500 hover:text-white active:bg-yellow-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">Save &&nbspNext</button>
        <a class="text-white bg-blue-500 border border-solid border-blue-500 hover:bg-blue-500 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150" href="answer.php?q=quiz&step=2&eid=' . $eid . '&n=' . ($sn + 1) . '&t=' . $total . '" >
        <span class="icon-material-outline-arrow-forward">
        </span>
```

```
                    </a>
                   </nav>
                  </div></div>
                 </form>';
               } else if ($_GET["t"] == $_GET["n"] && $_GET["n"] != 1) {
                  echo '<nav class="flex justify-between py-2 w-full">
                        <a class="text-white bg-blue-500 border border-solid border-blue-500 hover:bg-blue-500 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150 font-extrabold" href="answer.php?q=quiz&step=2&eid=' . $eid . '&n=' . ($sn - 1) . '&t=' . $total . '" >
                         <span class="icon-material-outline-arrow-back">
                        </span>
                        </a>
                       <label for="rvmrk" class="flex text-purple-600 bg-transparent border border-solid border-purple-600 hover:bg-purple-600 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">
                        <input  type="checkbox" class="form-checkbox h-4 w-4" value="1" name="status" id="rvmrk">
                          Review
                       </label>
                       <button type="submit" name="anssub" id="sbutton" class="text-black bg-yellow-500 border border-solid border-yellow-500 hover:bg-yellow-500 hover:text-white active:bg-yellow-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">Save &&nbspNext</button>
                    </nav>
                  </div></div>
                 </form>';
               } else if ($_GET["t"] == $_GET["n"] && $_GET["n"] == 1) {
                  echo '<nav class="flex justify-between py-2 w-full">
```

<label for="rvmrk" class="flex text-purple-600 bg-transparent border border-solid border-purple-600 hover:bg-purple-600 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">

<input type="checkbox" class="form-checkbox h-4 w-4" value="1" name="status" id="rvmrk">

  Review

</label>

<button type="submit" name="anssub" id="sbutton" class="text-black-500 bg-yellow-500 border border-solid border-yellow-500 hover:bg-yellow-500 hover:text-white active:bg-yellow-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">Save & Next</button>

</nav>

</form>';

} else if ($_GET["t"] > $_GET["n"] && $_GET["n"] == 1) {

echo '<nav class="flex justify-between py-2 w-full">

<label for="rvmrk" class="flex text-purple-600 bg-transparent border border-solid border-purple-600 hover:bg-purple-600 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">

<input type="checkbox" class="form-checkbox h-4 w-4" value="1" name="status" id="rvmrk">

  Review

</label>

<button type="submit" name="anssub" id="sbutton" class="text-black bg-yellow-500 border border-solid border-yellow-500 hover:bg-yellow-500 hover:text-white active:bg-yellow-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all duration-150">Save & Next</button>

<a class="text-white bg-blue-500 border border-solid border-blue-500 hover:bg-blue-500 hover:text-white active:bg-blue-600 font-bold uppercase text-xs px-2 py-2 rounded outline-none focus:outline-none mr-1 mb-1 ease-linear transition-all

```
duration-150" href="answer.php?q=quiz&step=2&eid=' . $eid . '&n=' . ($sn + 1) . '&t=' .
$total . '" >
                                <span class="icon-material-outline-arrow-forward">
                               </span>
                                </a>
                              </nav>
                            </div></div>
                          </form>';
                        }
                      }
                    }



                ?>
              </div>


              <!-- course intro Sidebar -->
              <div class="lg:w-4/12 space-y-4 lg:mt-0 mt-4">


                <div uk-sticky="top:0;offset:; offset:90 ; media: 1024">
                    <div class="tube-card justify-start px-4 w-full" uk-sticky="top:600;offset:;
offset:90 ; media: @s">
                        <div class="mx-4 flex flex-wrap -mx-2 overflow-hidden sm:-mx-5 md:-mx-
4 lg:-mx-3 xl:-mx-4">
                          <?php
                          for ($x = 1; $x <= $totalT; $x++) {
                            $quetion = "SELECT * FROM questions WHERE eid='$testid' AND
sn ='$x'";
```

```
$runquestion = mysqli_query($db, $quetion);

$qno  = @$_GET['n'];


$findquestion = mysqli_fetch_array($runquestion);

$qsn  = $findquestion['sn'];

$qsid = $findquestion['qid'];


$uans = "SELECT * FROM user_answer WHERE eid='$testid' and qid='$qsid' and username='$stud_id'";

$runuans = mysqli_query($db, $uans);

$resdata = mysqli_fetch_array($runuans);




if ($check = mysqli_num_rows($runuans) > 0) {


    if ($resdata['status'] == 0 && $resdata['ans'] != null) {
?>

<hr>

<?php

$g = "SELECT * FROM user_answer WHERE eid='$testid' and username='$stud_id' and status!='2' and ans!='"";

$cg = mysqli_query($db, $g);

$green = mysqli_num_rows($cg);


$b = "SELECT * FROM user_answer WHERE eid='$testid' and username='$stud_id' and status='1'";

$bg = mysqli_query($db, $b);

$blue = mysqli_num_rows($bg);
```

```
                $red = $total - $green;
                $gr = "SELECT * FROM user_answer WHERE eid='$testid' and
username='$stud_id'";
                $cgr = mysqli_query($db, $gr);
                $gray = mysqli_num_rows($cgr);

                $grays = $total - $gray;
                ?>
            </div>
            <hr>
```

viewResult.php:

```
<?php
include("session.php");
include("connection.php");
include("student_detail.php");
?>
<!DOCTYPE html>
<html lang="en">

<head>

  <?php include("css.php"); ?>

</head>

<body>
```

```
<div id="wrapper" class="is-verticle">

<?php include("header.php"); ?>

<!-- Main Contents -->
<div class="main_content">
<div class="bg-white border m-8 mx-8 p-10">
<?php
$testid = @$_GET['eid'];
$q = mysqli_query($db, "SELECT * FROM testdetails WHERE eid='$testid' ") or die('Error197');
$restest = mysqli_fetch_array($q);
?>

<?php

if (@$_GET['q'] == 'result' && @$_GET['eid']) {
$eid = @$_GET['eid'];
$q = mysqli_query($db, "SELECT * FROM testdetails WHERE eid='$eid' ") or die('Error157');
while ($row = mysqli_fetch_array($q)) {
$total = $row['total'];
}
$q = mysqli_query($db, "SELECT * FROM history WHERE eid='$eid' AND username='$stud_id' ") or die('Error157');

while ($row = mysqli_fetch_array($q)) {
```

```
            $s      = $row['score'];
            $w      = $row['wrong'];
            $r      = $row['correct'];
            $status = $row['status'];
        }
        if ($status == "finished") {
        } else {
            header("location:submittest.php?test_id=$eid");
        }
    }
    ?>
```

changePassword:

```
<?php
$stud_id = $_SESSION["loginStudent"];
$sql = "SELECT * FROM students WHERE student_id = '$stud_id'";
$sql_run = $db->query($sql);
$rows = $sql_run->fetch_assoc();
$fname = $rows['fname'];
$mname = $rows['mname'];
$lname = $rows['lname'];
$email = $rows['email'];
$year_id = $rows['year_id'];
$dept_id = $rows['dept_id'];
$sem_id = $rows['sem_id'];
$exam_num = $rows['exam_num'];
$dob = $rows['dob'];
```

```
$sqld = "SELECT dept_name FROM departments WHERE dept_id = '$dept_id' ";
$sql_rund = $db->query($sqld);
$rowsd = $sql_rund->fetch_assoc();
$dn = $rowsd['dept_name'];

$sqly = "SELECT year_name FROM class_years WHERE  year_id = '$year_id' ";
$sql_runy = $db->query($sqly);
$rowsy = $sql_runy->fetch_assoc();
$yn = $rowsy['year_name'];

$sqls = "SELECT sem_name FROM semesters WHERE sem_id = '$sem_id' ";
$sql_runs = $db->query($sqls);
$rowss = $sql_runs->fetch_assoc();
$sn = $rowss['sem_name'];
?>
```

6.4 Module Description

- **The Institute (Admin) role analysis:**

The system users include administrators, examinees and teachers. The system sets different permissions and operation interface for users with different roles; the users enter into the different interface, and have different operation according to different permissions .After examinees enter into the system through the correct login information, their own information could be viewed and the password could be modified. The examinee can view the test information, which includes exam subjects, exam time, whether it can take the exam, etc. When the start time of the test has not started, the system will remind that the exam has not started; when the exam could be conducted, the examinee can start test by selecting subjects click add test; Question answer is submitted papers at the end of the test, then the examinee check exam results after the marking. In order to grasp the related learning resources of the system timely, the examinee also can download resources.

- **The Student (User) role analysis:**

Student can get their forget password details. Student can login to the system by entering username and password. The username and password is provided by Faculty only. Student can view Online Examination time table after login into their account under this system. Student can view all subject time table like date and time of Online exam of particular subject. Student can take participate in online exam, once exam has been started. So once online exam has been started, firstly the rules regarding exams will display, then one button will appear on particular subject, which exam has been start. So student has to click on that button, and take part in online examination of particular subject. As per the question the student can see the no. of buttons on the system whether the answer is submitted or not, or which questions are reviewed. Once Online Exam result has been published, then student can view their Online exam result at their login area. Student can give exams within a specified time-period.

Chapter No 7

Experimental Setup and Results

7.1 Software and Hardware requirement:

7.1.1 System of following minimum configuration:

Sr. No.	Technology	Specifications
1.	Processor	Intel (R) Core (TM)i5-4200 CPU @1.60 GHz
2.	Hard Disk	500GB
3.	RAM	2GB
4.	Operating System	Windows7,Windows 8/ or windows10 64-bit operating system

Table 7.1.1: System of minimum configuration

7.1.2 Software Requirement:

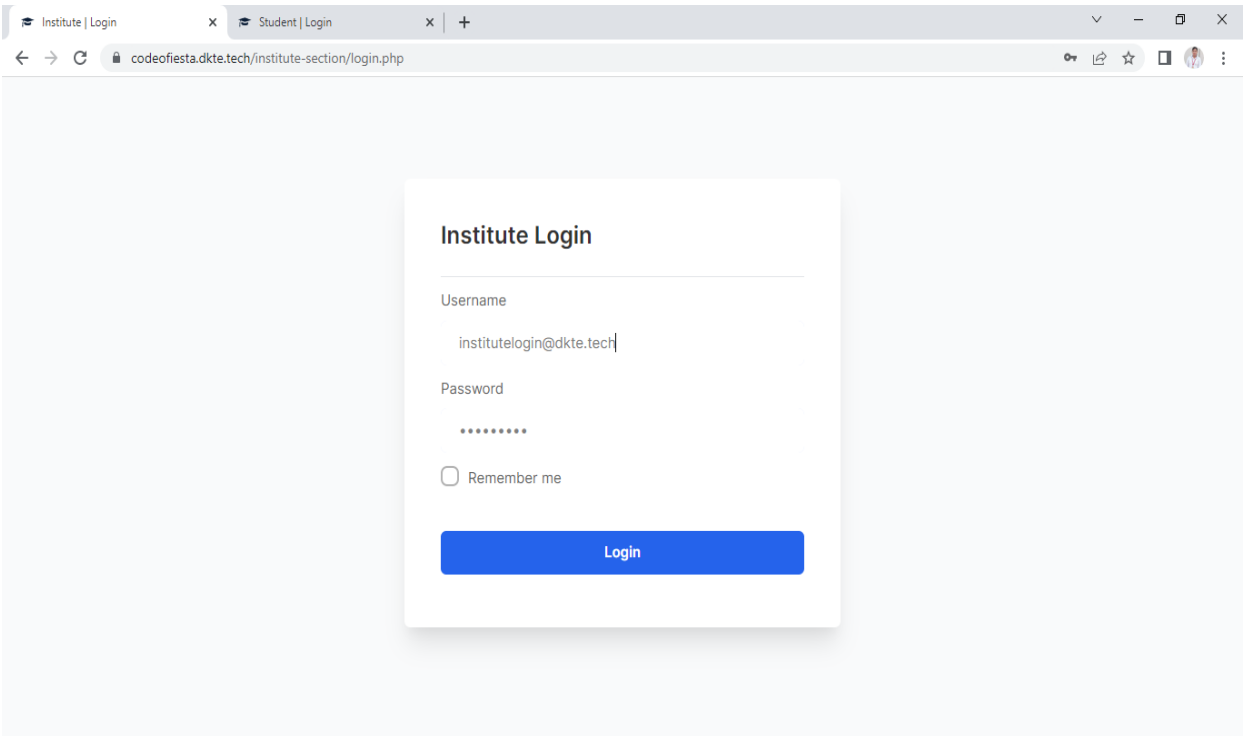
Sr. No.	Technology	Specifications
1.	**XAMP/WAMP Server**	Version 7.4.27 size 155 MB
2.	**Visual Studio Code**	Version 1.67 size 145 MB

Table 7.1.1: Software Requirements

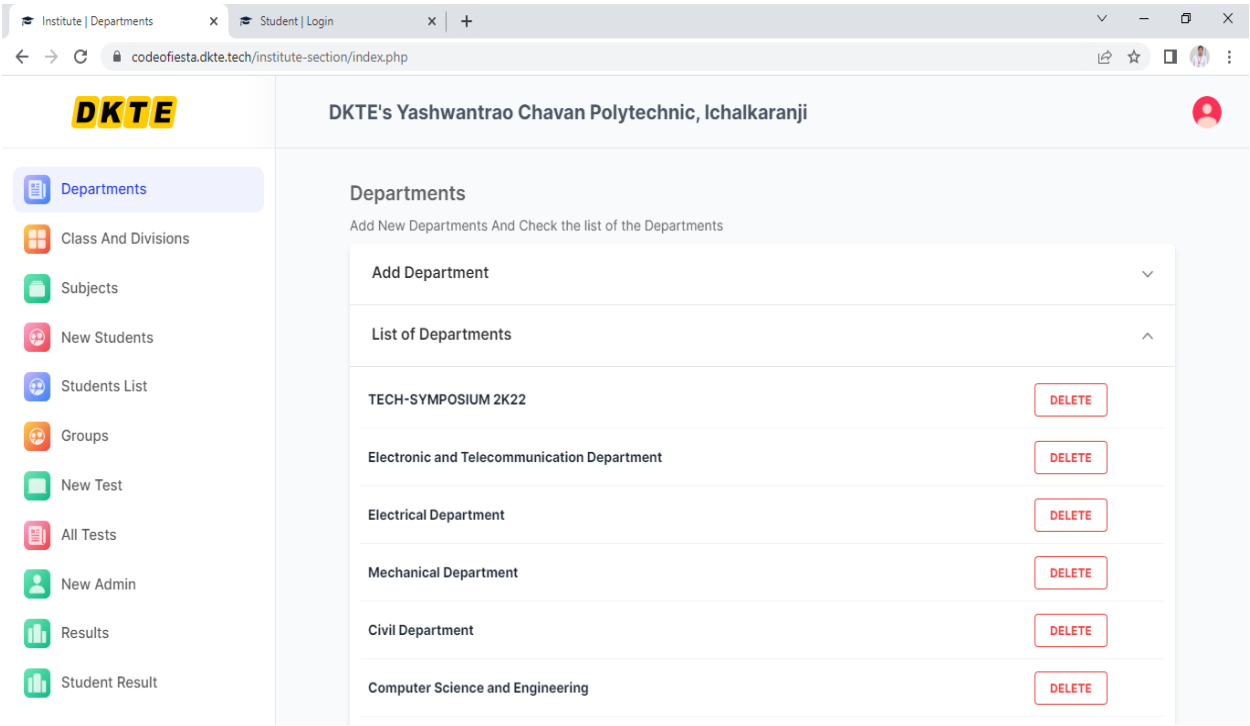
7.2 Results

7.2.1 Institute Results:

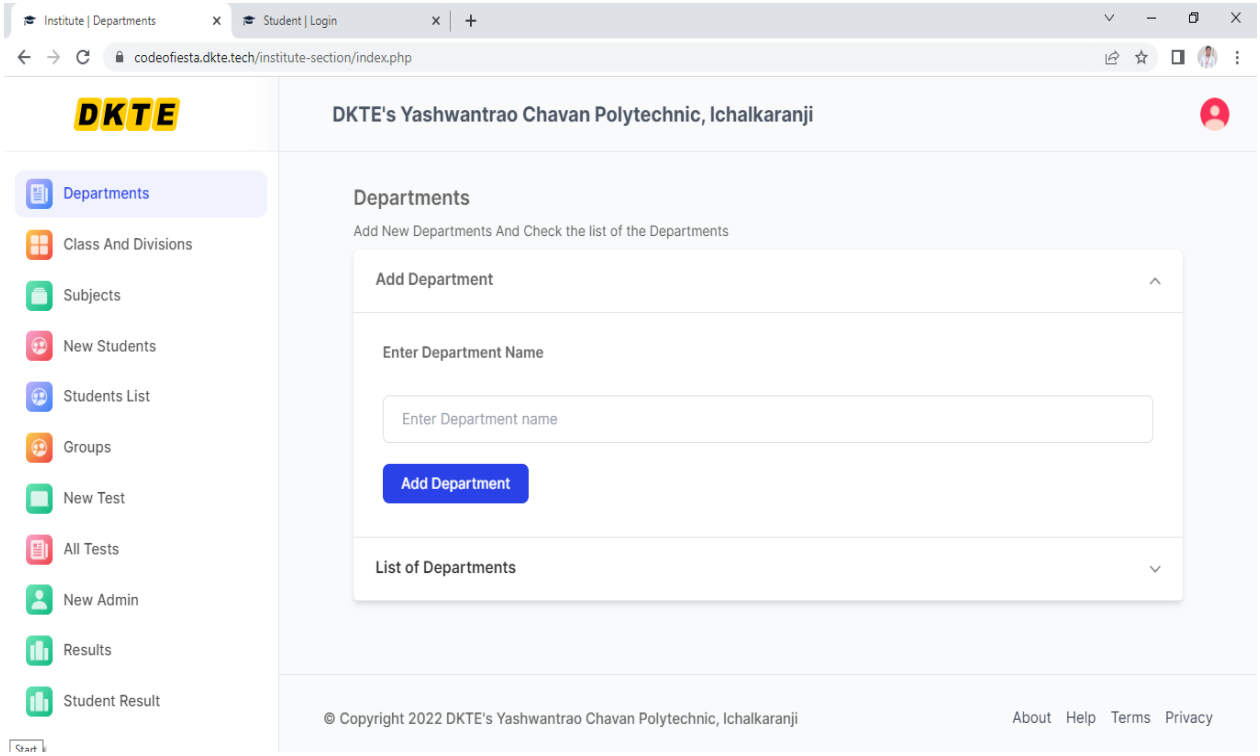
Login:



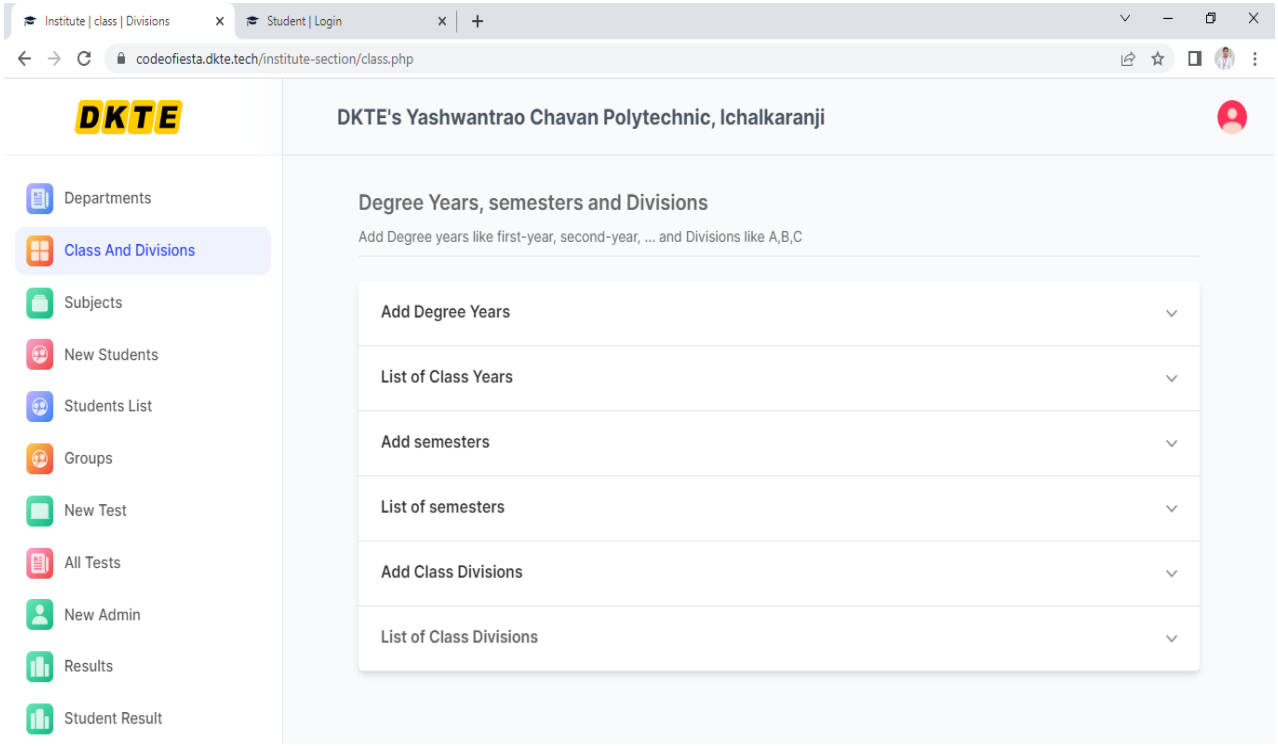
Homepage:



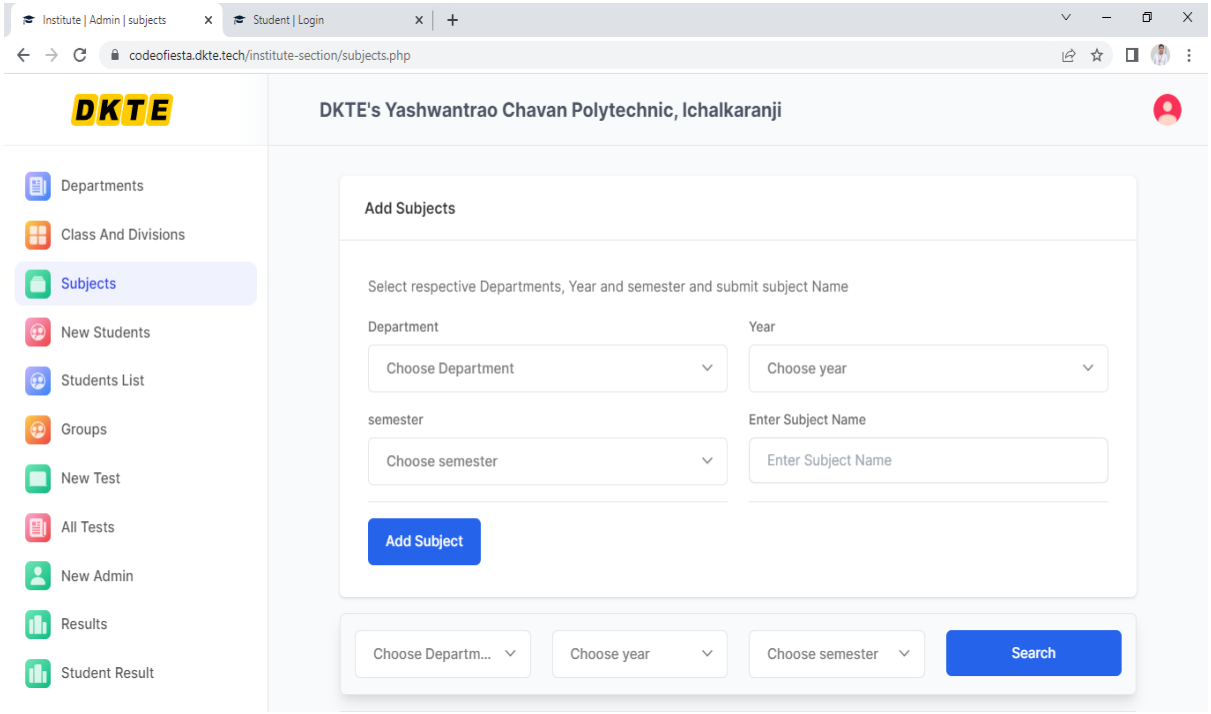
Add Department Page:



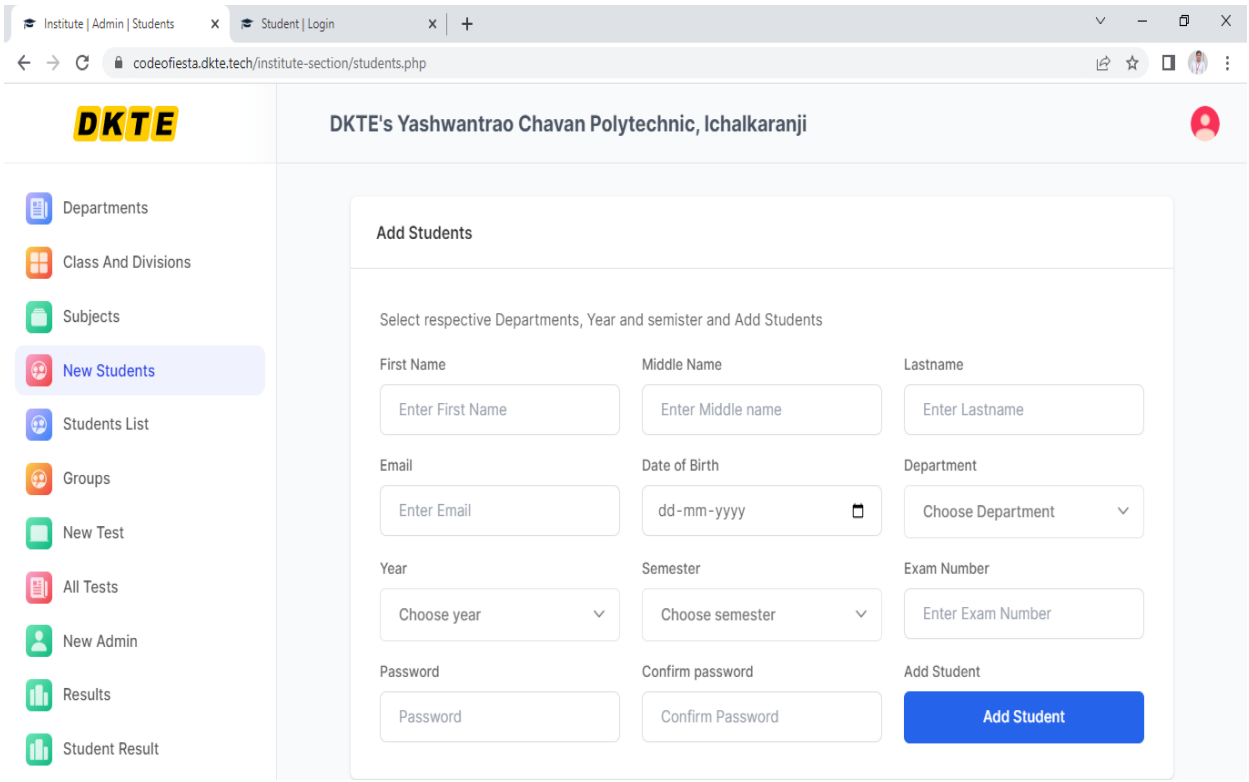
Class and Divisions Page:



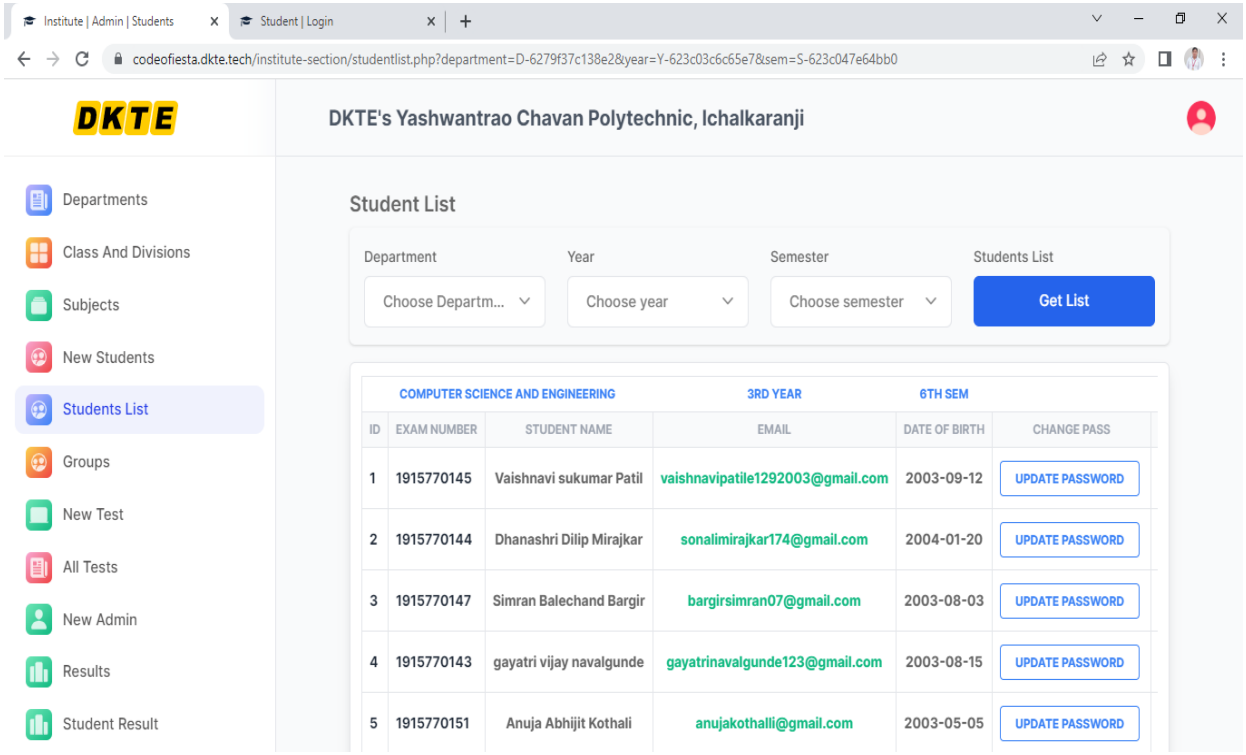
Subjects Page:



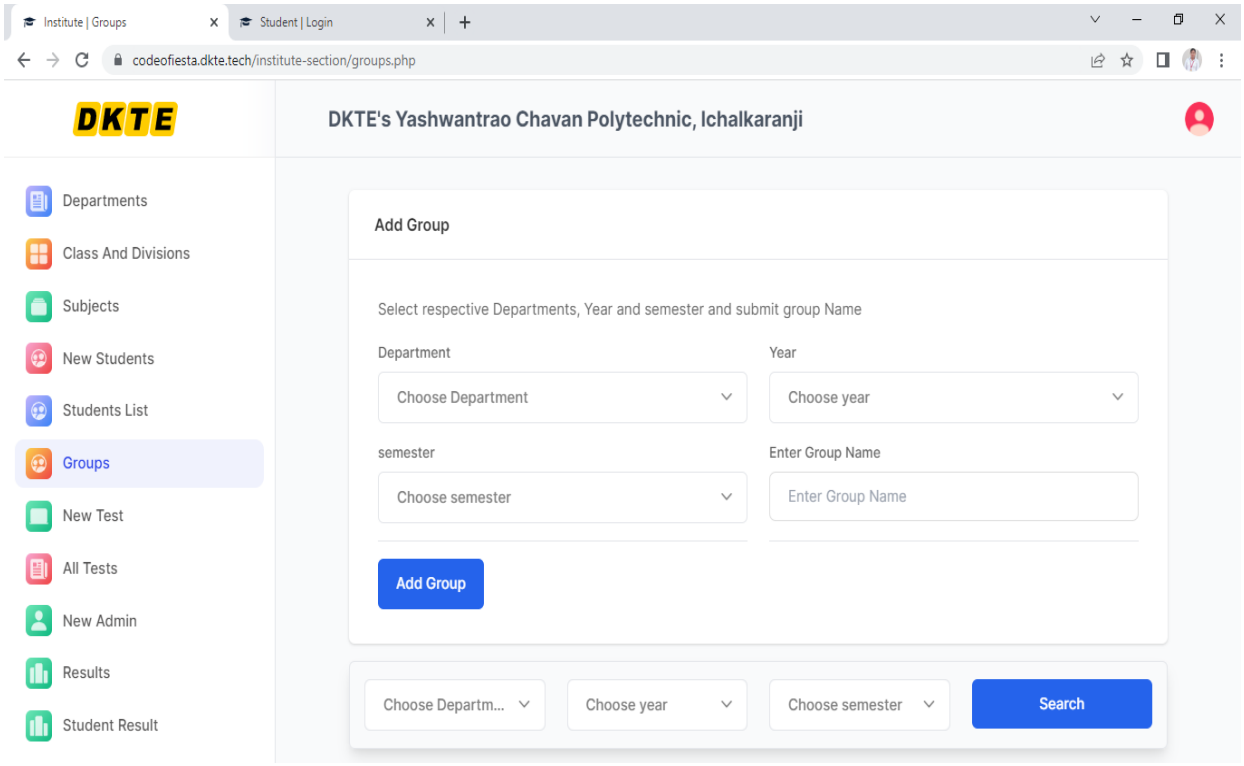
Add Students Page:



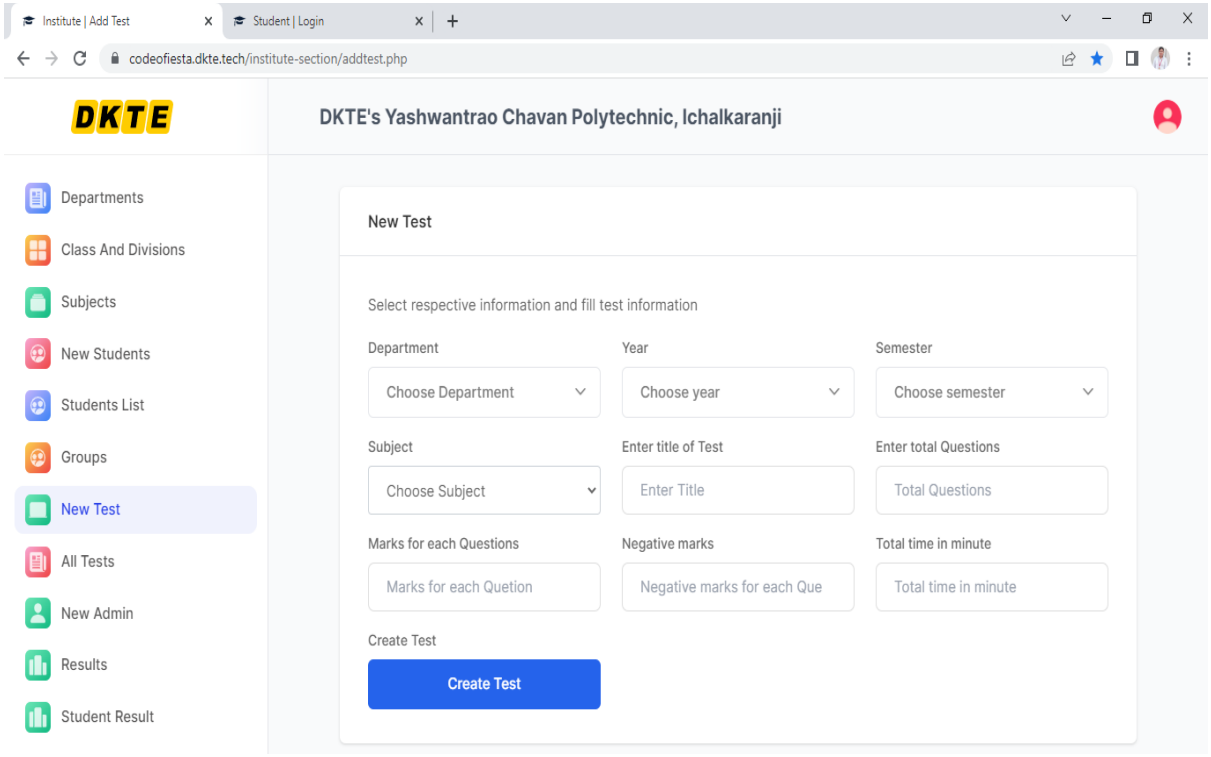
Students List Page:



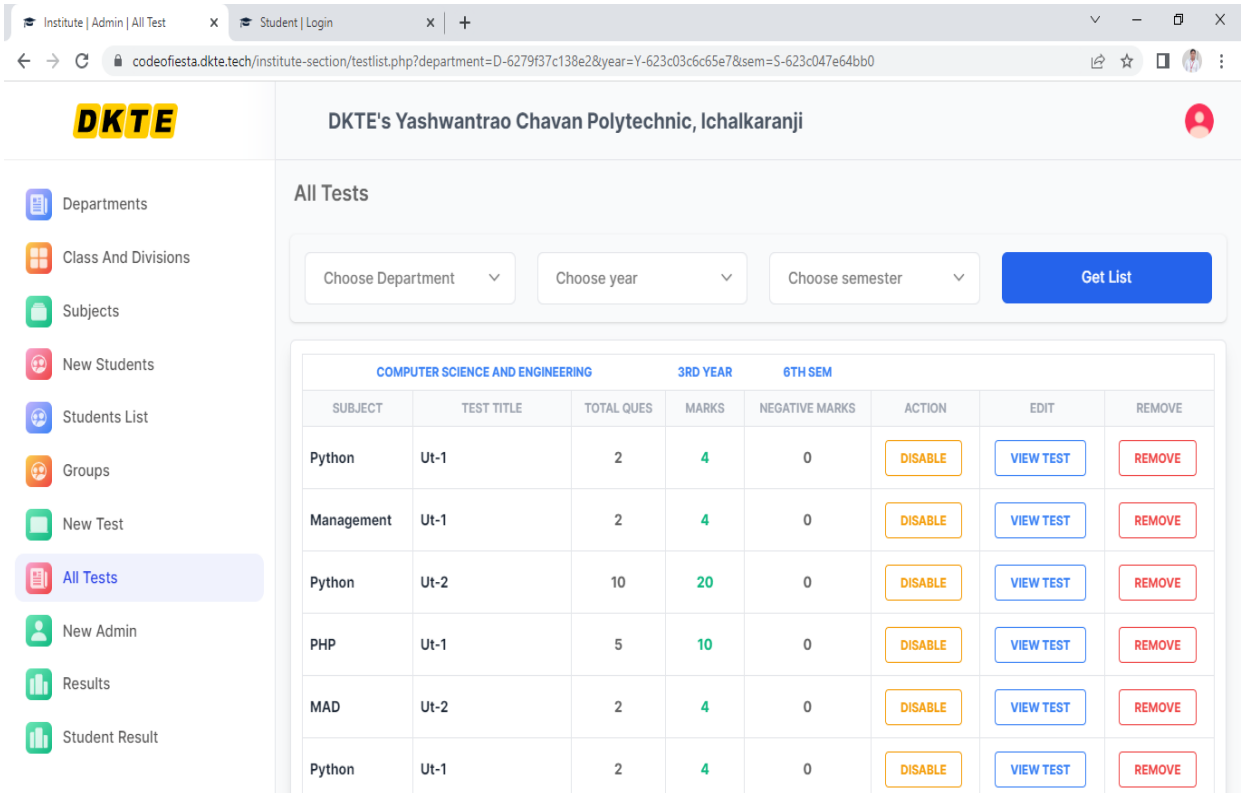
Add Group Page:



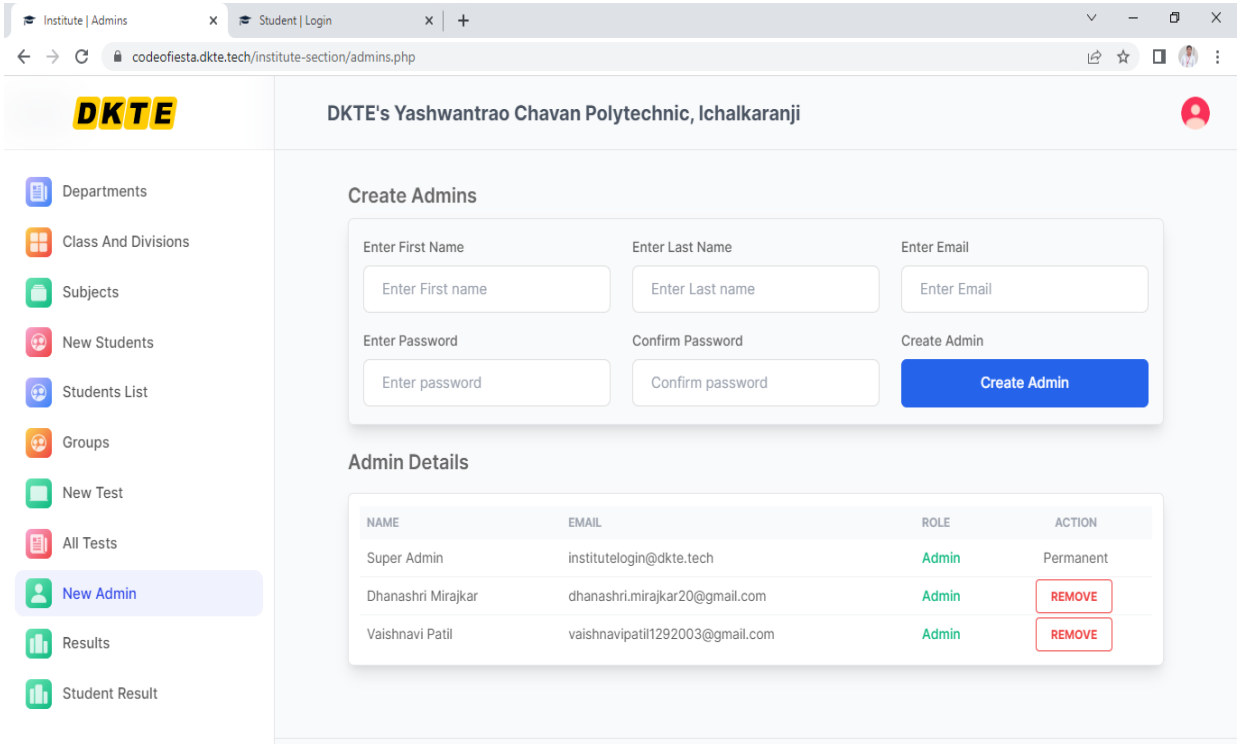
Create Test Page:



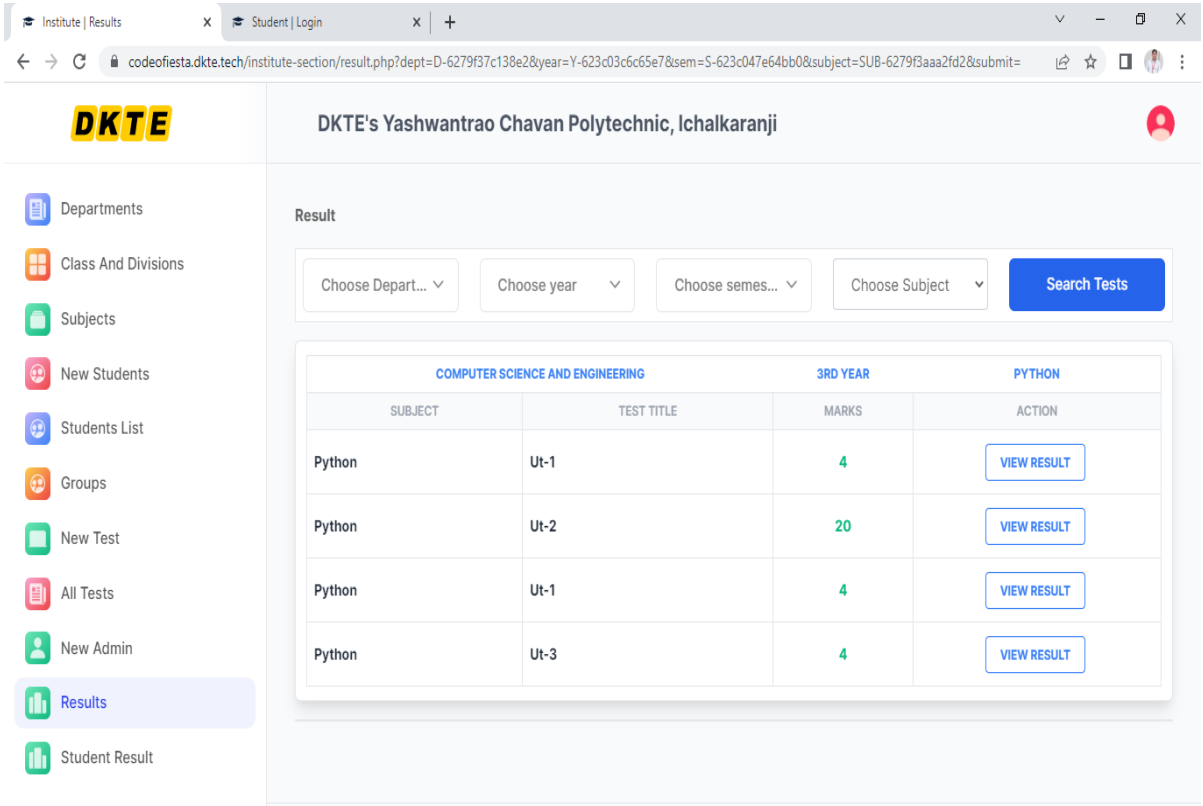
All Test Page:



Add New Admin Page:

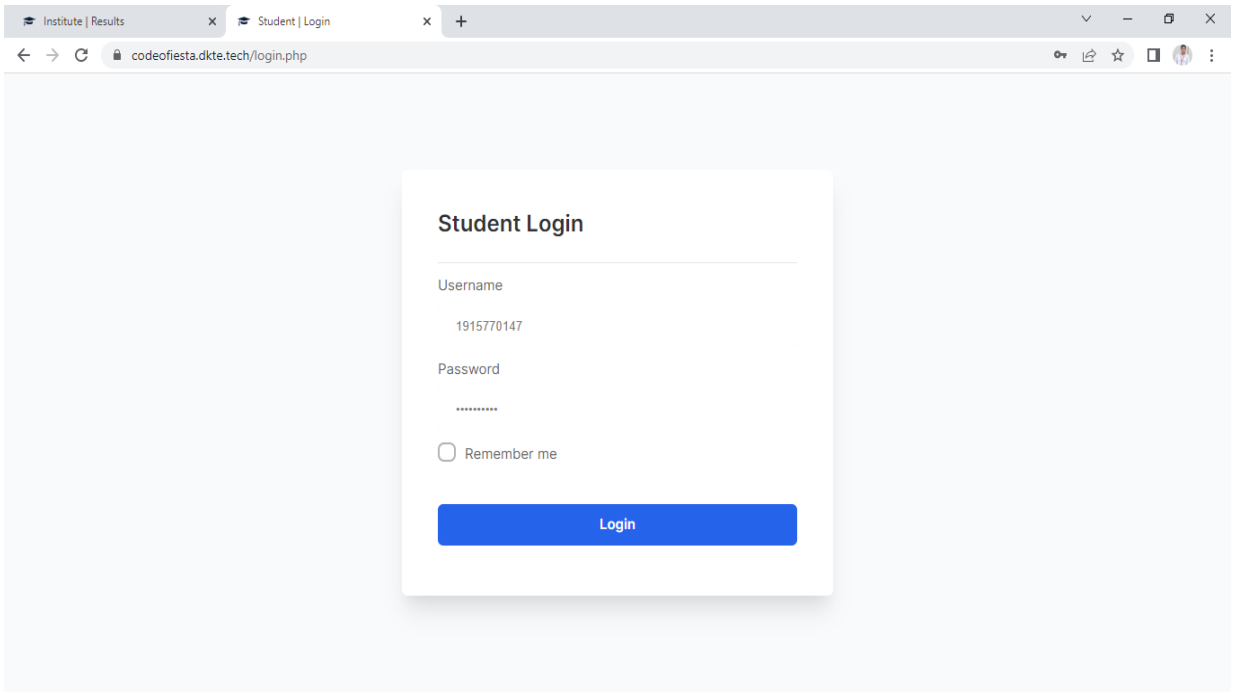


Result Page:

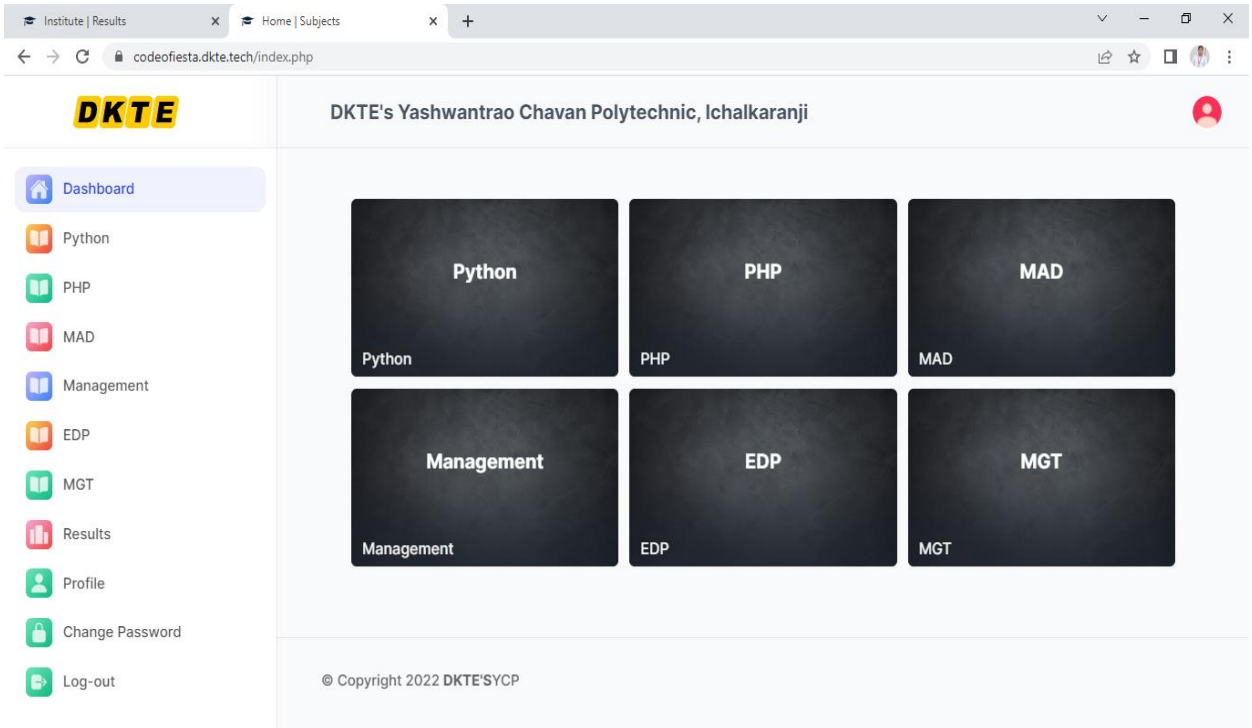


7.2.2 Student Results:

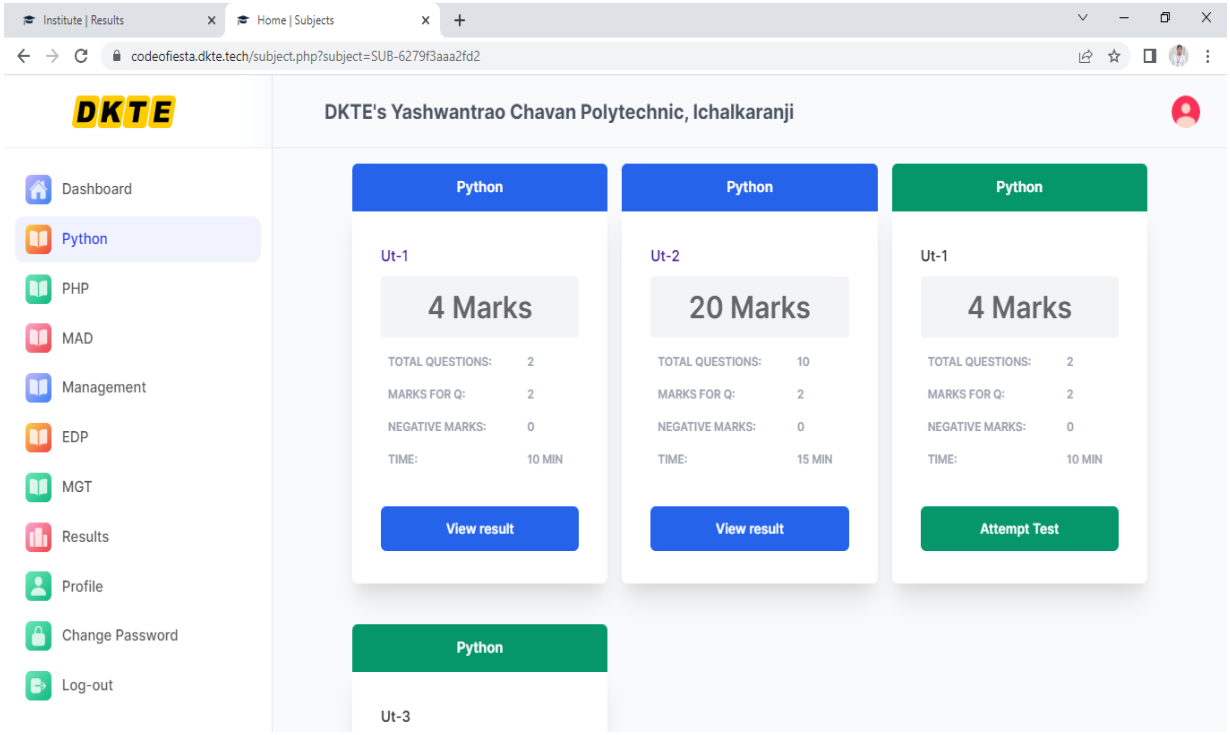
Login Page:

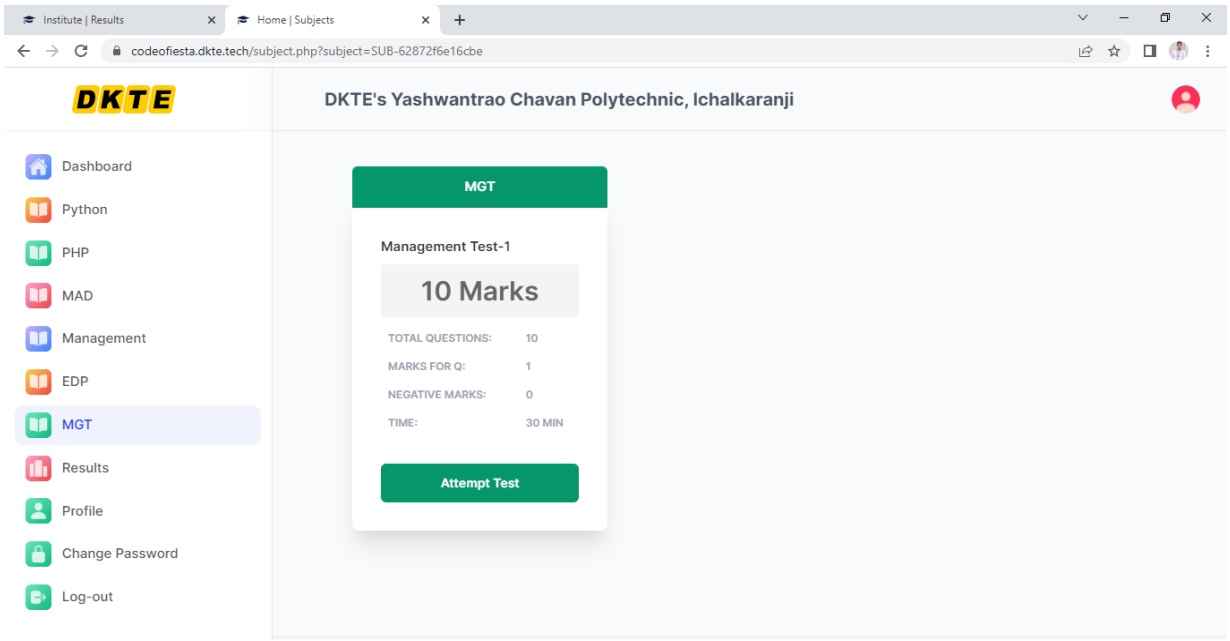


Home Page:

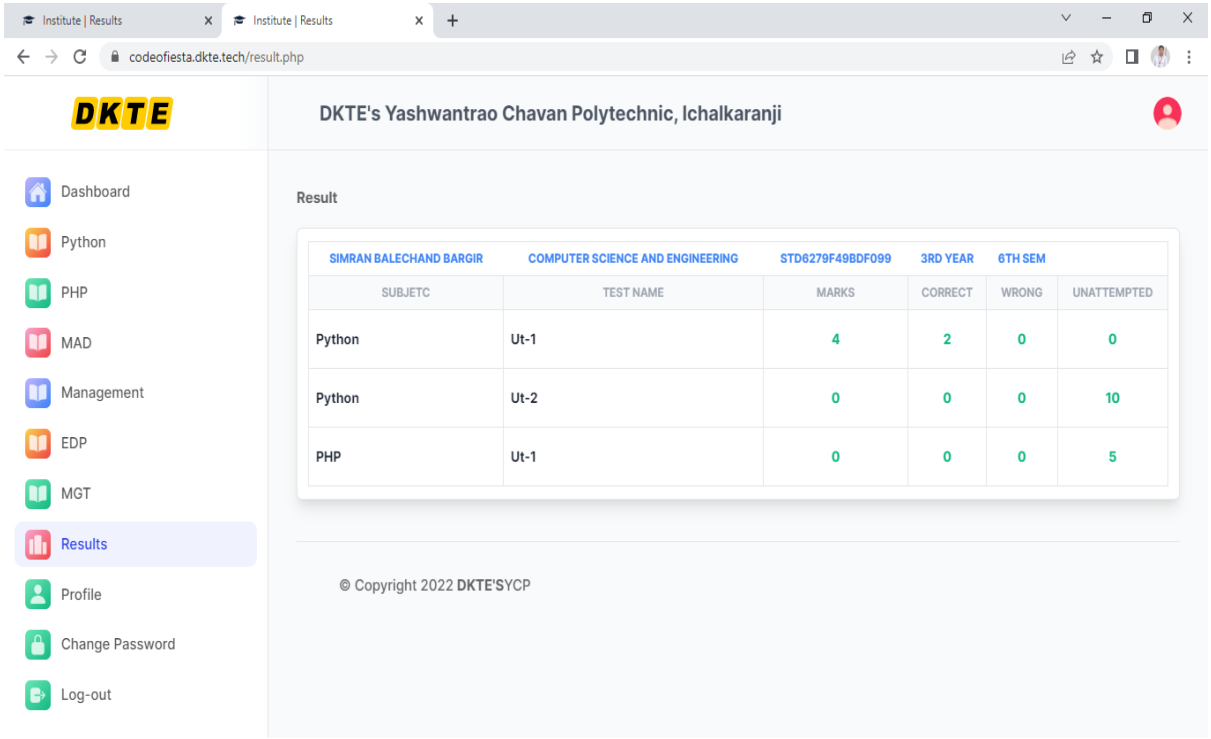


Subjects Test Page:

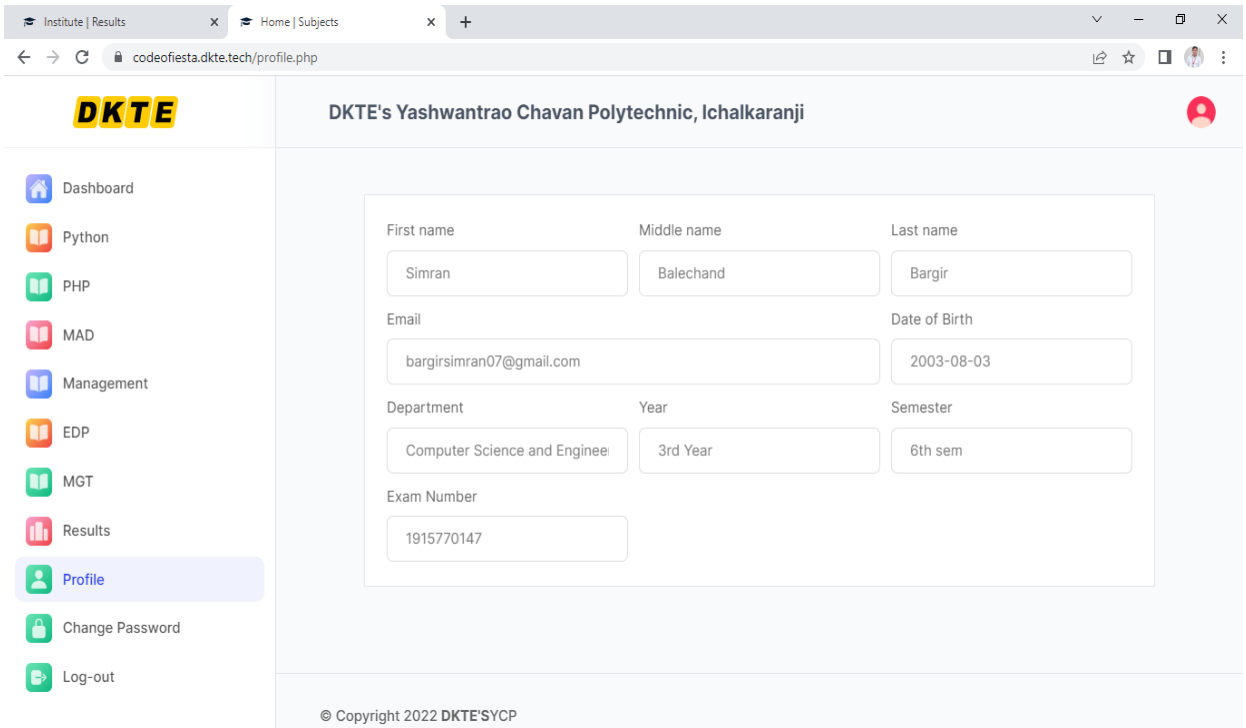




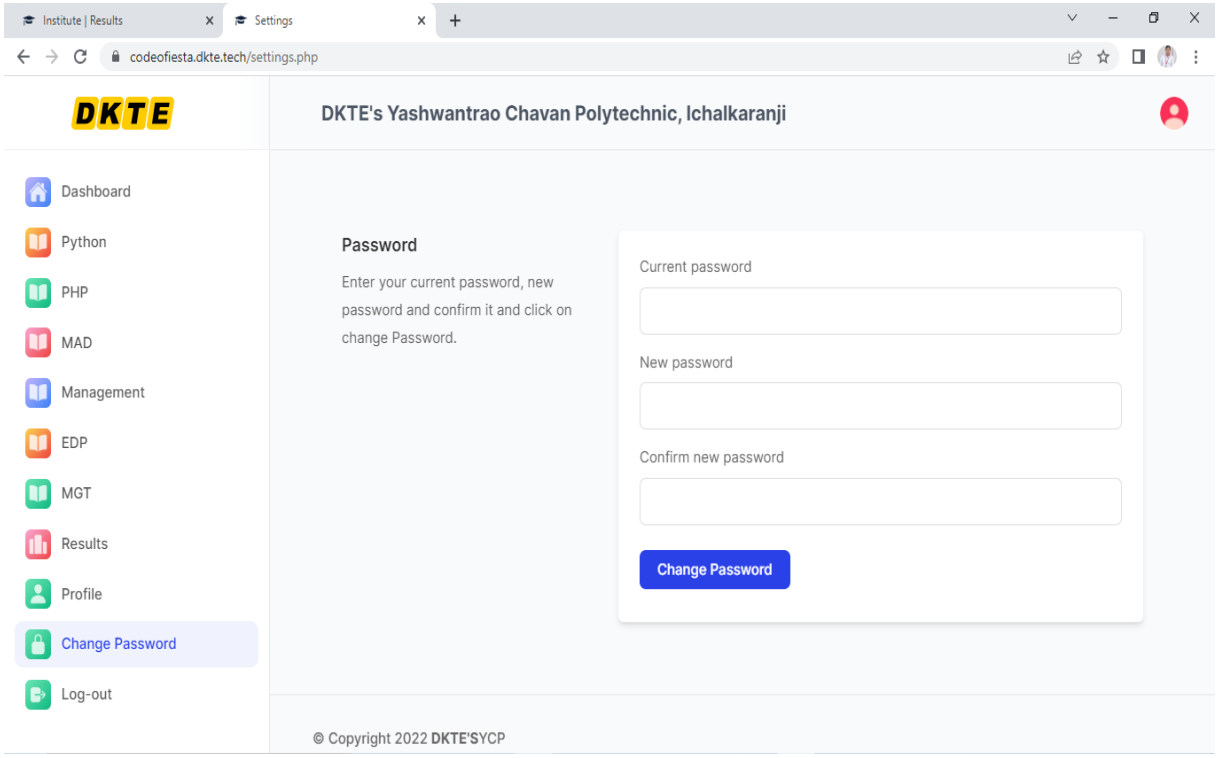
Results Page:



Student Profile Page:



Change Password Page:



7.3 Advantages and Limitations

7.3.1 Advantages:

1. Able the examiners to punch the MCQ questions online.
2. Quiz System will Securely Store Exam Question Paper and it will directly visible to Student who has taken part in Exam.
3. Able the users to solve the questions online.
4. Examiners can manage the information regarding exam.
5. Correct answers will be evaluated by system instantly.

7.3.2 Limitations:

1. One of the biggest challenges in conducting online examinations is connectivity. If any network issue occurs during the exam, the online test can be delayed or postponed.
2. For this system there is the requirement of good internet connectivity.

Chapter 8

Conclusion and Future Scope

8.1 Conclusion

A large number of participants, with instant results of online quiz for the examiner as well as the students, a better overview, you're able to randomize your questions and set a timer. That all without the need of an instructor. The Online examination system is based on Web, which realizes the user login, the examinee take online examination, automatic marking and teacher reviews online and so on. The system is relatively simple to operate, and has a good interface.

8.2 Future Scope

All the critical competitive exams like SSC, CGL, CHSL, JEE Mains, Railway Recruitment exams have embraced the online mode of examinations. And at the current stage, with the coronavirus pandemic, more and more organizations will embrace the online examination method. The web based online examination system application can be used in various sectors, schools, colleges, tuition centres, or individual tutors.

There is no doubt that the online examination system is not perfect yet. But because of the demand in online examination systems, it is very much likely that online exam conducting companies will overcome all the drawbacks and create a safe, secure, and efficient online examination system in India.

Chapter No 9

Reference and Bibliography

9.1 Reference and Bibliography

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Chapter No 10

Publication Paper and Certificates

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|| Volume 11, Issue 3, March 2022 ||

| DOI:10.15680/IJIRSET.2022.1103079 |

Web Based Online Examination System

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ABSTRACT: Quiz System is a web-based examination system where quiz is taken online i.e. through the internet or intranet using computer system. The purpose of Quiz System is to take Semester Quizzes in an efficient manner and no time wasting for checking the paper. The main objective of Quiz System is to efficiently evaluate the candidate through a fully automated system that not only saves lot of time but also gives fast results. Teachers can administer quizzes using the Quiz System .The system will show result after the examination is finished. A teacher has control in the question bank and is supposed to make schedule for the quiz. The system carries out the examination and auto-grading for multiple choice questions which is fed into the system. Administrative control of the whole system is provided.

The main objective of the project on MCQ Quiz Applications is to manage the details of Students, Examinations, Marks, Courses, Papers. It manages all the information about Students, Results, Papers, Students. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for Marks, Courses, Papers.

KEYWORDS: Web, Online Examination, Online Quiz.

I. INTRODUCTION

The 'Web Based Online Examination System' project will be developed to overcome the time consuming problem of manual system. Apart from that in current system, checking the answer sheets after taking test, waste the examiners time, so this application will check the correct answer and save the examiner time and carry the examination in an effective manner. The users which are use this system don't need to high computing knowledge and also system will inform them while entering invalid data. In this system it will required less labour force for execute system and it will be more accurate and less time consuming and at the same time we can conduct more person exam at the same time and it will publish result in a very short time. Below you can find benefits of Online Examination System. If this system has been implemented then examination will not limited in to four wall of class room, but student can part into exam from any place.

The aim of this project is to computerized the existing manual system and help the examiners to save their valuable time and important data. Apart from this, data which are exist in this system, will exist for long period of time and will be easy accessible. This project helps the examiners to manage their services in a good way and provide a better service to their users.

The objective of this project is to manage the details of students, examinations, marks, courses and papers in a good manner. The performance of the application will be fully control by administrator and administrator can guaranty any one to access. The project will reduce the manual process in managing examinations and all issues regarding that.

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To design and implement this project we plan that the project support to different types of users apart from its administrative part. When project is run for the first time it allowed the user to select as who he/she wants to login in the system. Project support login as teacher and login as student. If a user who is student, try to login as teacher system will not allow him and vice versa. User who add as teacher in system will be able to punch test and questions to system and also will be able to observe the result of the student which attempt tests. User who login to system as student will be able to select a particular test and attempt questions depend on this test. After attempting the test and submitting that user will receive a message that you have attempt the test successfully and if the user tries to attempt the same test, system will not allow him/her. Also a user which login to system as student will be not able to observe the result of test he/she attempt.

II. RELATED WORK

In the world of internet, all task has been done through internet, so we have decide why Exam has not conducted through internet. For convert current exam system into digital exam system, we have built this small Online Exam system project. If this system has built in professional level then it will automate our existing examination system into digitize exam system. The examination plays an important role in social life, which is an important means of evaluating the ability of people. The traditional way of examination with paper has occupied faculty much time and energy [1]. Especially in the remote network teaching, this way did more and more not adapt to the demand of education Informa ionization and modernization. Online examination from the original examination computer aided to online examination based on C/S, until current online examination based on Web, its technology and practical application are also constantly developing. And the remote education will play a significant role in the field of education in the future, which also promotes the further development of the online examination system technology with broad prospects.

III. METHODOLOGY

I. THE USER REQUIREMENT ANALYSIS

The system's overall goal was concluded by analyzing the target audience of the system, which was partitioned function module at the perspective of users, and then it built the model of system structure.

A. The Institute role analysis

The system users include administrators, examinees and teachers. The system sets different permissions and operation interface for users with different roles; the users enter into the different interface, and have different operation according to different permissions [2]. The different roles users of system are shown in figure 1. System's ultimate goal is providing online examination service for examinees; therefore, the examinee is the core of the system. After examinees enter into the system through the correct login information, their own information could be viewed and the password could be modified. The examinee can view the test information, which includes exam subjects, exam time, whether it can take the exam, etc. When the start time of the test has not started, the system will remind that the exam has not started; when the exam could be conducted, the examinee can start test by selecting subjects click "into the test"; Question answer is submitted papers at the end of the test, then the examinee check exam results after the marking. In order to grasp the related learning resources of the system timely, the examinee also can download resources. The specific function is shown in figure 2.

In order to ensure the correctness of the information, the teacher can view personal information and change the password after login system, and then arranges the relevant examination. Teachers download the correct paper template in the system, then edit and upload the examination paper. In order to ensure that the test is normal, teachers need to choose the right subjects, start time, test time and other information; When examinees take the test, then teachers can check the answer of all students taking exams after submittal, and marking, give corresponding score by looking at the examinee answers. The specific function is shown in figure 3. That is to say, teacher can add, modify, and delete target users after entering into system, which could make sure that the examinees and teachers can login system accurately with the corresponding role and related operation. Additionally, administrator can also manage the examination and resources, achieve uploading file and announcement, which is convenient to share resource [3].

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8. The Student role analysis

Student can get their forget password details. Student can login to the system by entering username and password. The username and password is saved at students details. Student can view Online Examination time table after login into their account under this system. Student can view all subject time table like date and time of Online exam of particular subject. Student can take participate in online exam, once exam has been started. So once online exam has been started, firstly the rules regarding exams will display, then one button will appear on particular subject, which exam has been start. So student has to click on that button, and take part in online examination of particular subject. As per the question the student can see the no. of buttons on the system whether the answer is submitted or not, or which questions are reviewed. Once Online Exam result has been published, then student can view their Online exam result at their login area. Student can give exams within a specified time-period. . The specific function is shown in figure 2.

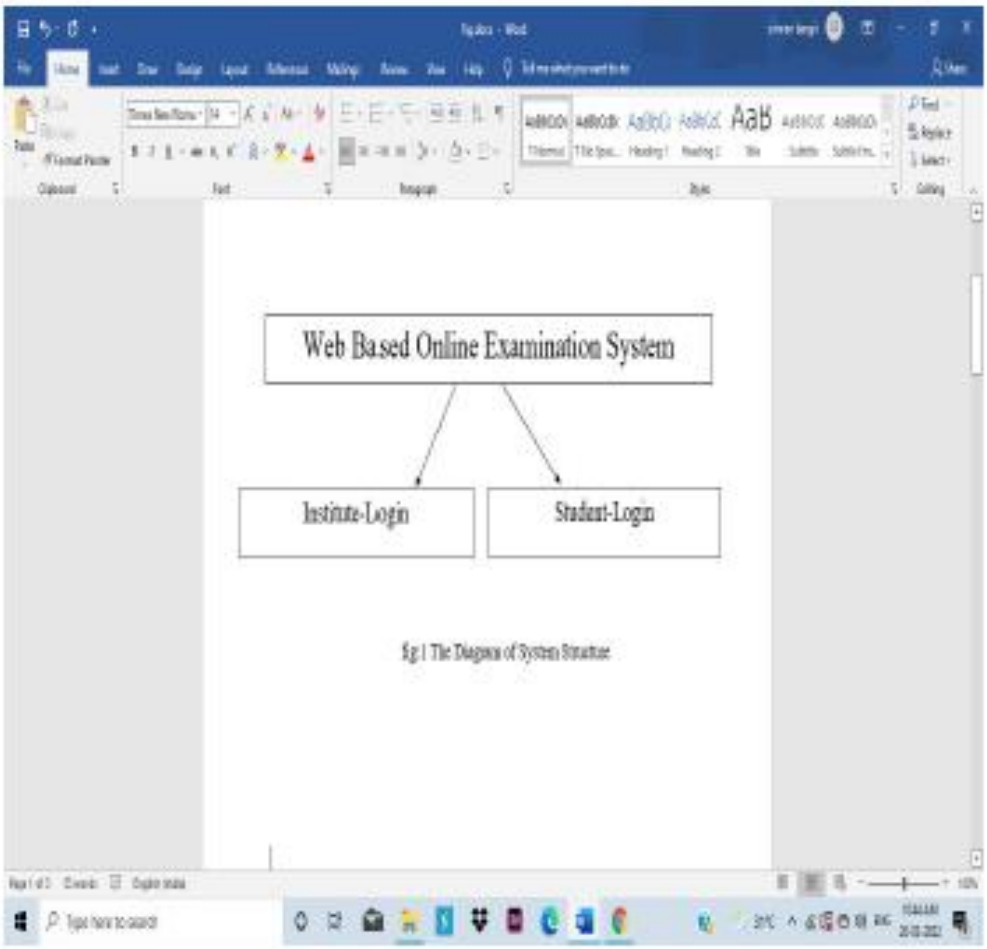

fig | The Diagram of System Structure

Figure 1. The diagram of System Structure

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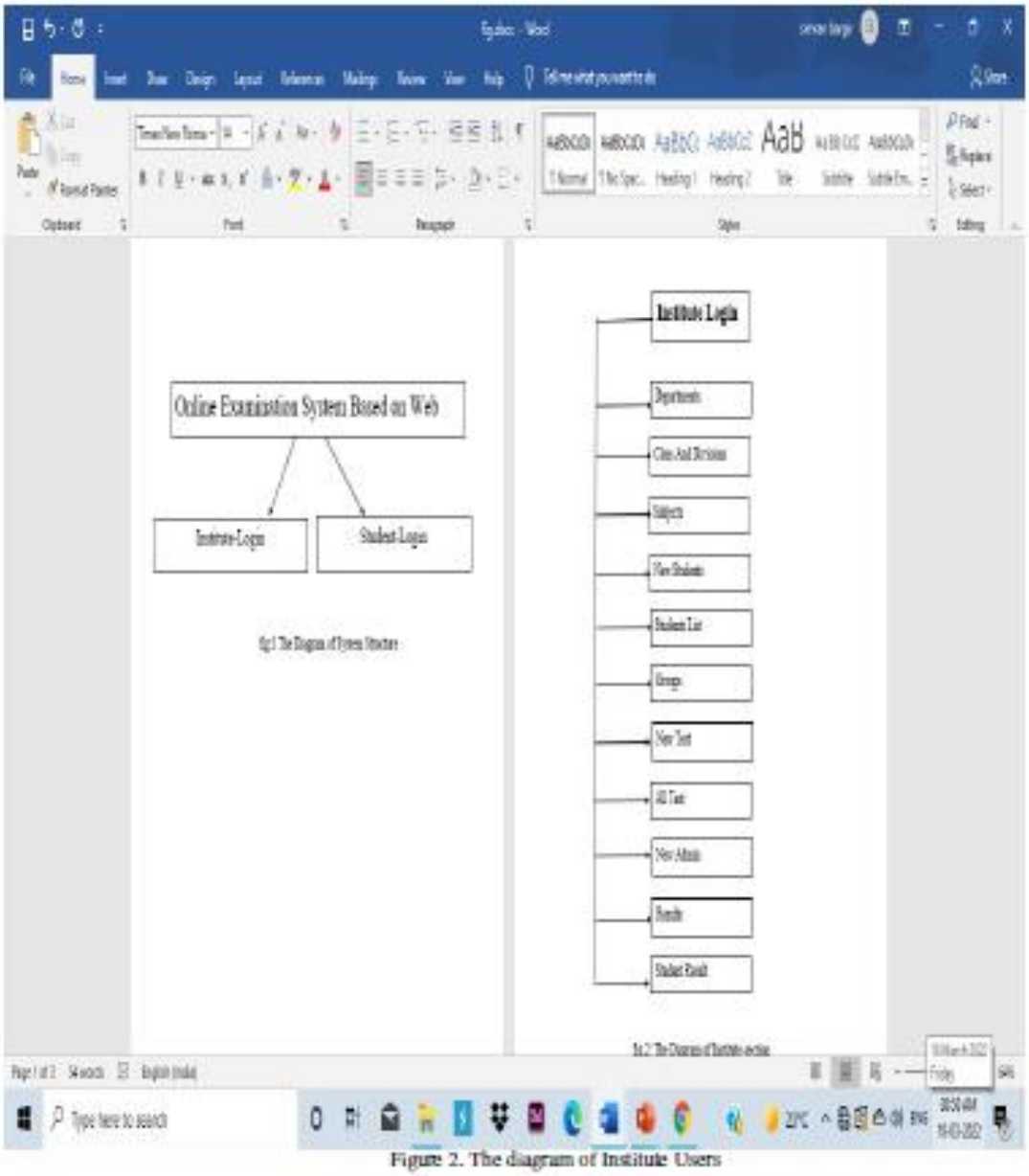

Figure 2. The diagram of Institute Users

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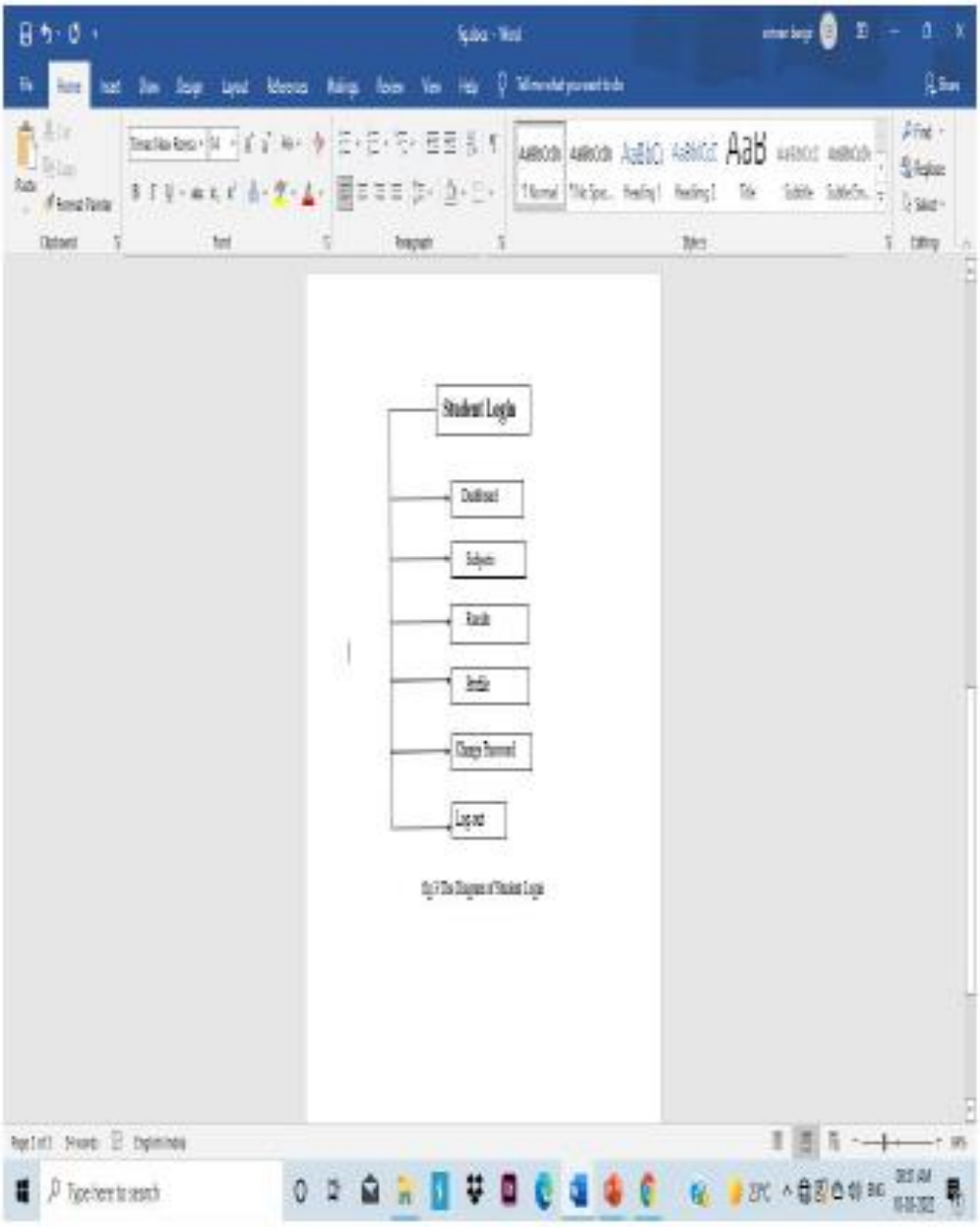

Figure 3. The diagram of Student Users

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IV. CONCLUSION

A large number of participants, with instant results of online quiz for the examiner as well as the students, a better overview, you're able to randomize your questions and set a timer. That all without the need of an instructor. The Online examination system is based on Web, which realizes the user login, the examinee take online examination, automatic marking and teacher reviews online and so on. The system is relatively simple to operate, and has a good interface. But due to the limited time reasons, the system is added the completion and the realization of the automatic grading of short questions function remains to be further improved.

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