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| **A mini-project report on**  **ONLINE EXAMINATION PORTAL**  *submitted in partial fulfillment of the*  *requirements for*  **TE (Information Technology)**  *by*  **KAZI JAWWAD A RAHIM (Reg. no T-16-0020)**  **KIRATKAR GUNJAN NARAYAN (Reg. no T-16-0080)**  **GHOGLAE SONALI SUDHAKAR (Reg. no T-16-0212)**  **…………………**  *under the guidance of*  **Prof. Prachi Abhyankar**  main_logo  Department of Information Technology  Finolex Academy of Management and Technology, Ratnagiri  October 2018 |

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| CERTIFICATE  This is to certify that the mini project titled **Online Examination Portal** is a bonafied work of  **KAZI JAWWAD A RAHIM (Reg. no T-16-0020)**  **KIRATKAR GUNJAN NARAYAN (Reg. no T-16-0080)**  **GHOGLAE SONALI SUDHAKAR (Reg. no T-16-0212)**  submitted to **Department of Information Technology** in partial fulfillment of requirement for **TE (Information Technology).**   |  |  |  | | --- | --- | --- | | Prof P. P. Abhyankar | Prof. P. P. Abhyankar | Prof. Dr. V.A. Bharadi | | Guide | Project Co-ordinator | Head of Department |   Date:  Place: Information Technology Department,  Finolex Academy of Management and Technology, Ratnagiri |

**Abstract**

There are many websites which provides online examination services. On the best examples of such websites are Testyou.in. But such websites do not provide examination services to any specific college/university/department, anyone can use these services. Hence, our main aim is to develop an online examination portal for Department of IT, FAMT. This is a mini-project, therefore it may lack some more services, but extension of this will surely give better results. The project consists of scripting languages such as HTML, CSS, JAVA SCRIPT, PHP, AJAX, etc. The portal consists of mainly two type users – i) Teachers ii) Students. Both will require unique registration so that only users belonging to department of IT, FAMT can use this portal. First, Teacher will set questions in sequential manner. Questions will be of MCQ type. Then, students will login through their unique id and can able to take part in the exam created by respective teachers only. After completing exam, students can see their results. Teachers can also keep records of results scored by students. Teachers can also schedule exams so that there will not be any chaos. Teachers can also restrict any student from giving exam.

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**1. PROBLEM STATEMENT**

Develop a departmental level online examination portal to help student as well as teachers for better understanding of knowledge. The application should not allow teacher or student outside the campus. It should not allow guest mode. All test must be secure. Result of all the student should be protected. Each user should see own results only. Each teacher should have record of student attempting the test. Each student should allow each test only once. There should not be re-attempt mode. Questions could be of MCQ type only. Marks of each test should be related with no. of questions in that test. Student should access portal only from authenticated login. Student should able to print their test result after submitting the test.

**2. REQUIREMENT ANALYSIS**

**Programming Skills:**

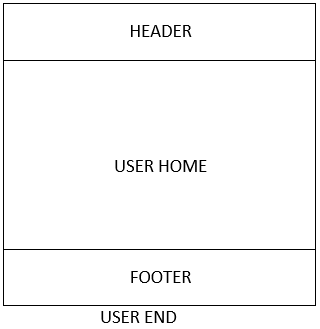
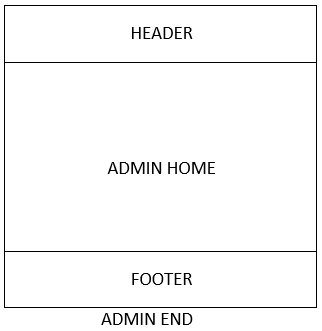
* HTML
* CSS
* PHP
* AJAX
* HTML5
* CSS3
* SQL

**Software tools:**

* DATABASE SERVER
* HOSTING SITE
* TEXT EDITOR
* PHPMYADMIN

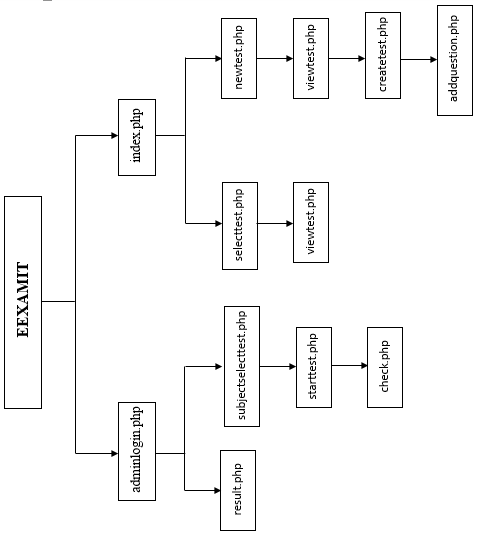
**3. PROJECT DESIGN (LAYOUT & SKELETON)**

**Layout:**

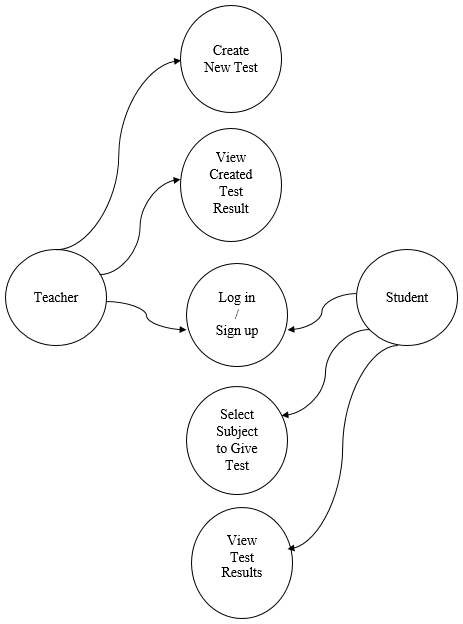
**Fig. 3.1: User End Fig. 3.2: Admin End**

**Skeleton:**



**Fig. 3.3: Skeleton of the website**

**4. USE-CASE DIAGRAM**



**Fig. 4.1: Use-Case Diagram**

**5. DETAILS OF FUNCTIONAL MODULES IN THE MINI-PROJECT**

EEXAMIT examination portal mainly consists of two types of users-

1. Student: First student have to register with the portal. After registration they will have two options-
2. They can search for the test from “Select Subject For Quiz”. They have to select proper branch, semester and subject from drop down. After that all the test’s belonging to that details will be appear in the test drop down. Select the test you want to give. All the questions belonging to that test will appear. Each question will have four options among which one correct option need to be select. After selecting all the options correctly they can submit the test. After submitting the test, the result of the test will appear automatically. They can also print the test result. Each user can give each test only one time.
3. They can see the test score of all the previous test by clicking on “Result”.
4. Teacher: First teacher have to register with the portal. After registration they will have two options-
5. They can create new test from “Create New Test”. They have to select proper branch, semester and subject from drop down. After that a new page will open where they have to enter the test name. If that test name is already exist then a notification will appear that “Test name is not available”. Also they have to enter no of questions in that will be in the test. After clicking next they will redirect to page where they have to add question no, question, option 1, option 2, option 3, option 4 and correct answer. After adding all questions they will redirect to home page.
6. They can see the test score of all the test created by them by selecting “Test Result”. They have to select proper branch, semester, subject and test. Then they will redirect to page of test result.

**6. IMPLEMENTATION DETAILS (CODE AND OUTPUT)**

***https://eexamit.000webhostapp.com***is the address of the hosted website.

CODES:

**Login.php**

<?php

$db\_hostname="localhost";

$db\_username="id6741892\_teamjsg";

$db\_password="@teamjsg";

$db\_database="id6741892\_eexam";

?>

**Database.php**

<?php

require\_once "login.php";

$conn=new mysqli($db\_hostname,$db\_username,$db\_password,$db\_database);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error());

}

?>

**Index.php**

<?php

@session\_start();

require\_once("database.php");

extract($\_POST);

if(isset($submit))

{

$result=$conn->query("SELECT \* FROM students WHERE username='$login\_id' AND password='$password'");

if($result->num\_rows>0)

{

$\_SESSION['userlogin']=$login\_id;

}

else{

$found="N";

}

}

require\_once("header.php");

@$user=$\_SESSION['userlogin'];

if(isset($user)){

echo ' <div class="text">

<h1 align="center">Welcome To Online Exam</h1><br></div>

<table align="center" cellpadding="20px" cellspacing="20px">

<tr>

<td><img src="HLPBUTT2.JPG" alt="Image not found"></td>

<td><a href="subjectselect.php"><b>Subject For Quiz</b></a><br></td>

</tr>

<tr>

<td><img src ="DEGREE.JPG" alt="Image not found"></td>

<td><a href="result.php"><b>Result</a></b><br></td>

</tr>

</table>

';

require\_once("footer.php");

exit();

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Departmental Online Examination of IT,FAMT</title>

<meta name="keywords" content="EEXAM,ONLINE EXAM,online exam,eexamit">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="style.css"/>

<link rel="icon" href="favicon.io" type="image/gif" sizes="16x16">

</head>

<body>

<div>

<table width="70%" align="left" cellspacing="10px">

<tr>

<td width="60%" valign="center" align="center" class="index1"><h1>Welcome to Online Examination Portal</h1>

<span><img src="paathshala.jpg" width="129" height="100">

<span><img src="HLPBUTT2.JPG" width="50" height="50"><img src="BOOKPG.JPG" width="43" height="43"></span></span>

<blockquote>Welcome to Online examination portal of Department of IT, FAMT. This Site will provide the quiz for various subject of interest.You need to login for taking the online exam. </blockquote>

</td>

</tr>

</table></div>

<table width="30%" class="right" align="center" >

<tr><td><br><br><br></td></tr>

<tr> <td align="center" id="index1" bgcolor="tomato"><b>User Login</b></td> </tr>

<tr><td width="30%"><form name="userlogin" method="post" action="index.php">

<table align="center" cellpadding="3px" cellspacing="3px">

<tr>

<td>Login ID</td>

<td><input type="text" name="login\_id"></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password" name="password"></td>

</tr>

<tr>

<td colspan="2" align="center" class="errors">

<?php

if(isset($found))

{

echo "<h4>Invalid Username or Password</h4>";

}?>

</td >

</tr>

<tr>

<td colspan="2" align="center" class="errors">

<input name="submit" type="submit" id="submit" value="Login"></td>

</tr>

</table>

<table align="center" width="100%" >

<tr>

<td align="center" bgcolor="tomato"><b>New User?</b>&nbsp;<a href="signup.php" style="color:blue;">Sign Up</a></td>

</tr>

</table>

</form>

</td>

</tr>

</table>

</body>

</html>

<?php

require\_once("footer.php");

?>

**Adminlogin.php**

<?php

@session\_start();

require\_once("database.php");

extract($\_POST);

if(isset($submit))

{

$result=$conn->query("SELECT \* FROM teachers WHERE username='$username' AND password='$password'");

if($result->num\_rows>0)

{

$\_SESSION['adminlogin']=$username;

}

else{

$found="N";

}

}

require\_once("adminheader.php");

@$admin=$\_SESSION['adminlogin'];

if(isset($admin)){

echo '

<div class="heading">

<h3 style="color:red; text-align:center; font-size:1.8em; " >Welcome To Admin Portal</h3></div>

<table align="center" style=" border-spacing: 1em;; font-size:1.5em;">

<tr>

<th><a href="newtest.php" style="color:rgb(106, 8, 207);"> Create New Test</a></th>

</tr>

<tr>

<th><a href="selecttest.php" style="color:rgb(106, 8, 207);" align="center"> View Test Result</a></th>

</tr>

</table>

';

require\_once("footer.php");

exit();

}

?>

<!DOCTYPE html>

<html>

<head>

<style>

@media screen and (max-width: 800px) {

body,header,footer {

width: 100%; /\* The width is 100%, when the viewport is 800px or smaller \*/

}

}

</style>

<title>Admin Login</title>

<meta name="keywords" content="EEXAM,ONLINE EXAM,online exam,eexamit">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<link rel="stylesheet" href="style.css"/>

</head>

<body>

<div class="admin">

<h2 style="font-size:2em;font-family:serif;text-align:center;color:tomato;" >Admin Login</h2></div>

<form action="adminlogin.php" method="post">

<table align="center">

<tr>

<th>Login ID</th>

<td><input type="text" name="username"/></td>

</tr>

<tr>

<th>Password</th>

<td><input type="password" name="password"/></td>

</tr>

<tr>

<td colspan="2" align="center" style="color:red;"><?php

if(isset($found)){

echo "Invalid Username and Password!!!";

}

?></td>

</tr>

</table>

<table align="center">

<tr>

<th><input name="submit" type="submit" value="Login"/></th>

<th><input name="Reset" type="reset"/></th>

<th><button type="button" onclick="location.href='adminsignup.php';"/>Sign UP</th>

</tr>

</table>

</form>

</body>

</html>

<?php

require\_once("footer.php");

?>

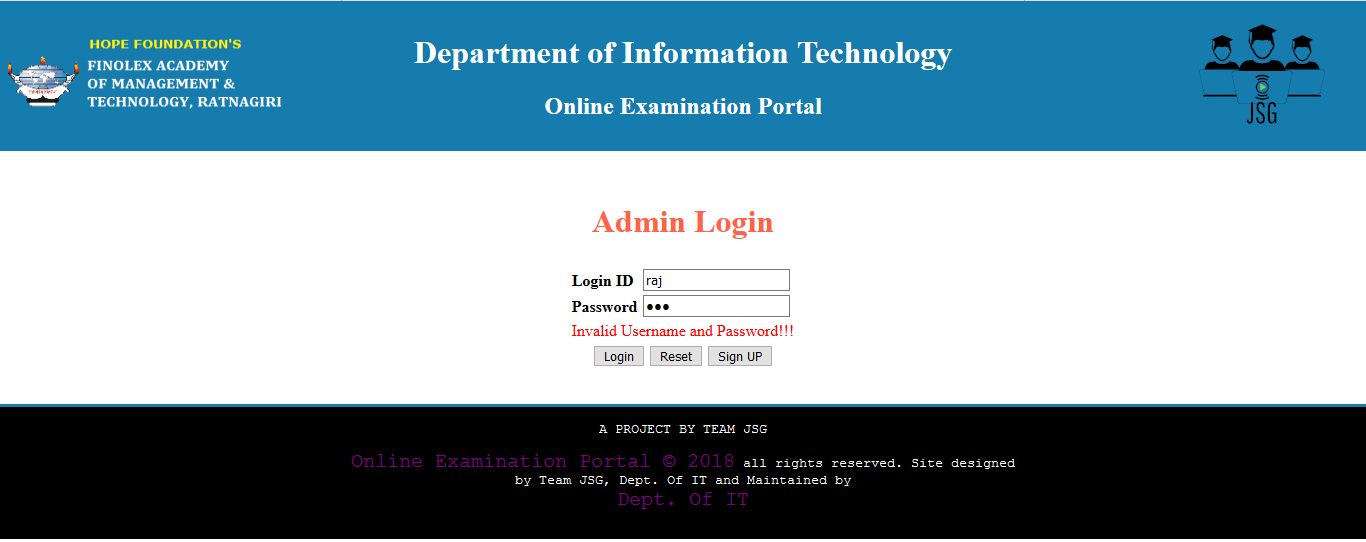
**OUTPUTS**

**1) When teacher log on for main page of teacher**



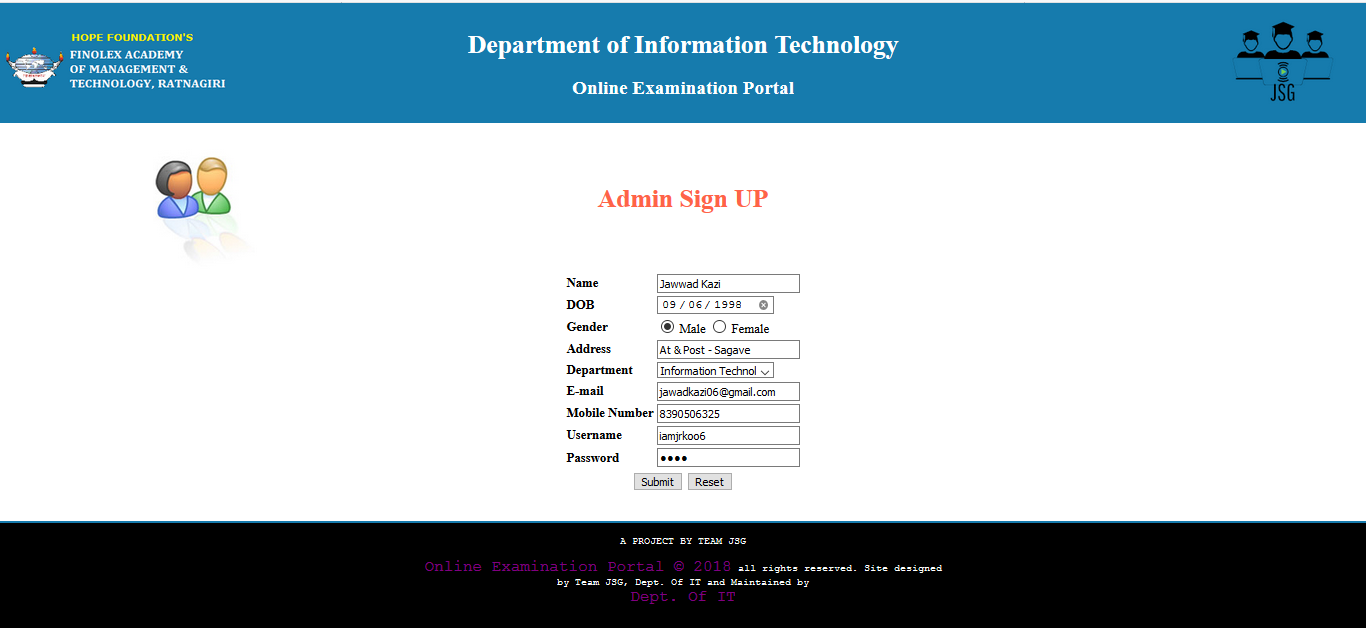
**Fig. 12.1: Admin Login**

**2) When teacher trues random credentials**



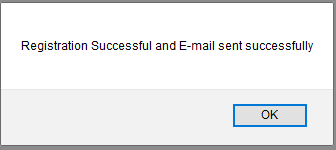
**Fig. 12.2: Invalid Login**

**3) When teacher register oneself on the portal**



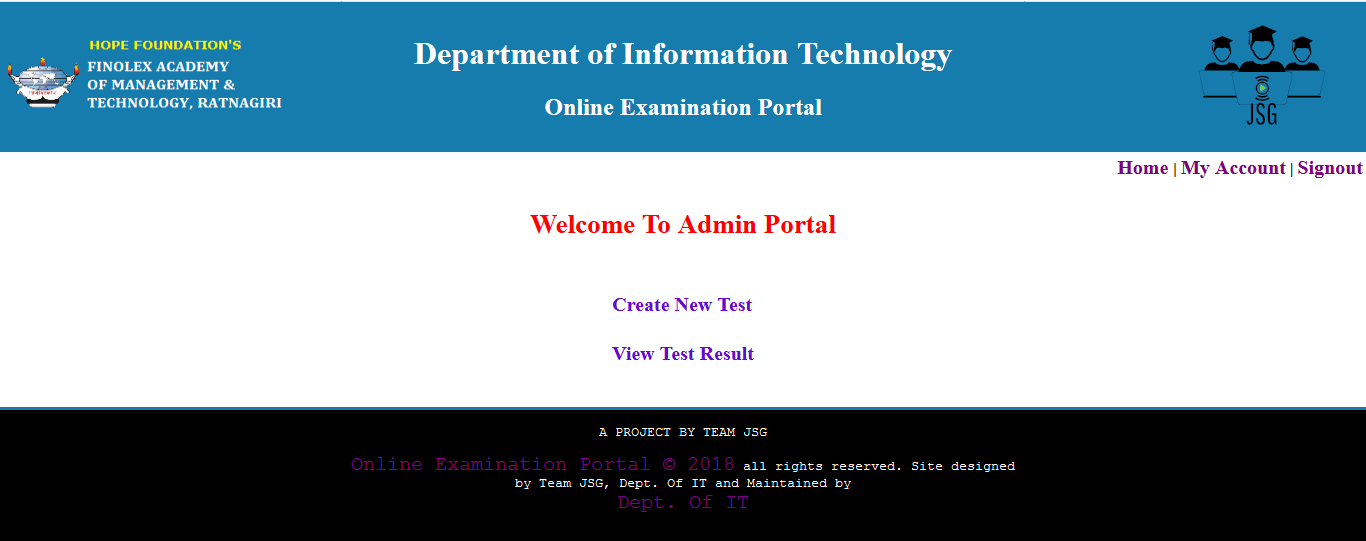
**Fig. 13.1: Admin Signup**

**4) After successful registration**



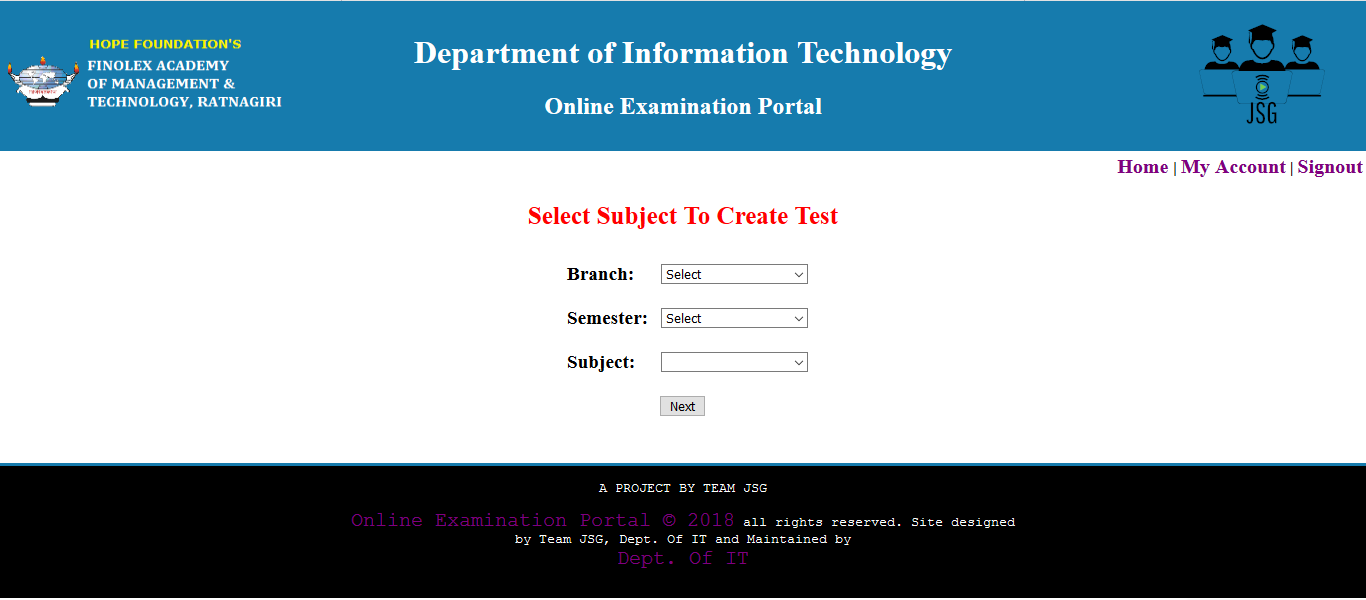
**Fig. 13.2: Successful Signup**

**5) After successful login**



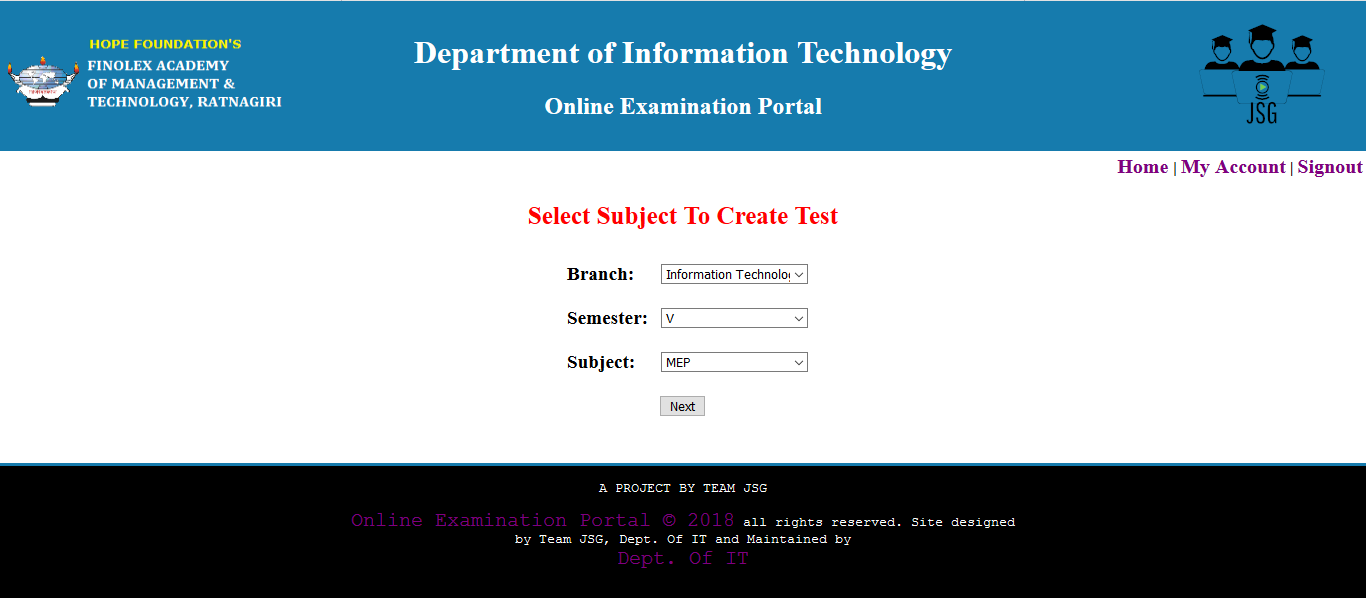
**Fig. 14.1: Admin home after login**

**6) When Teacher want to create new test. It clicks on “Create New Test”**



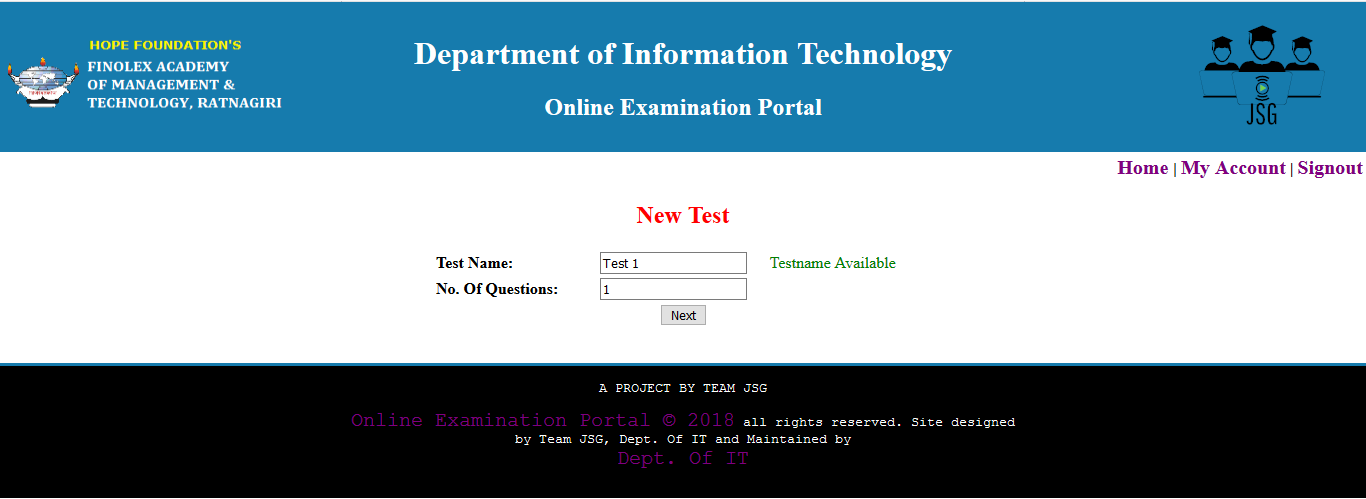
**Fig. 14.2: Create New Test**

**7) It will select branch and semester. Then automatically subject belonging to that branch and semester will load in the drop down menu. Then select proper subject.**



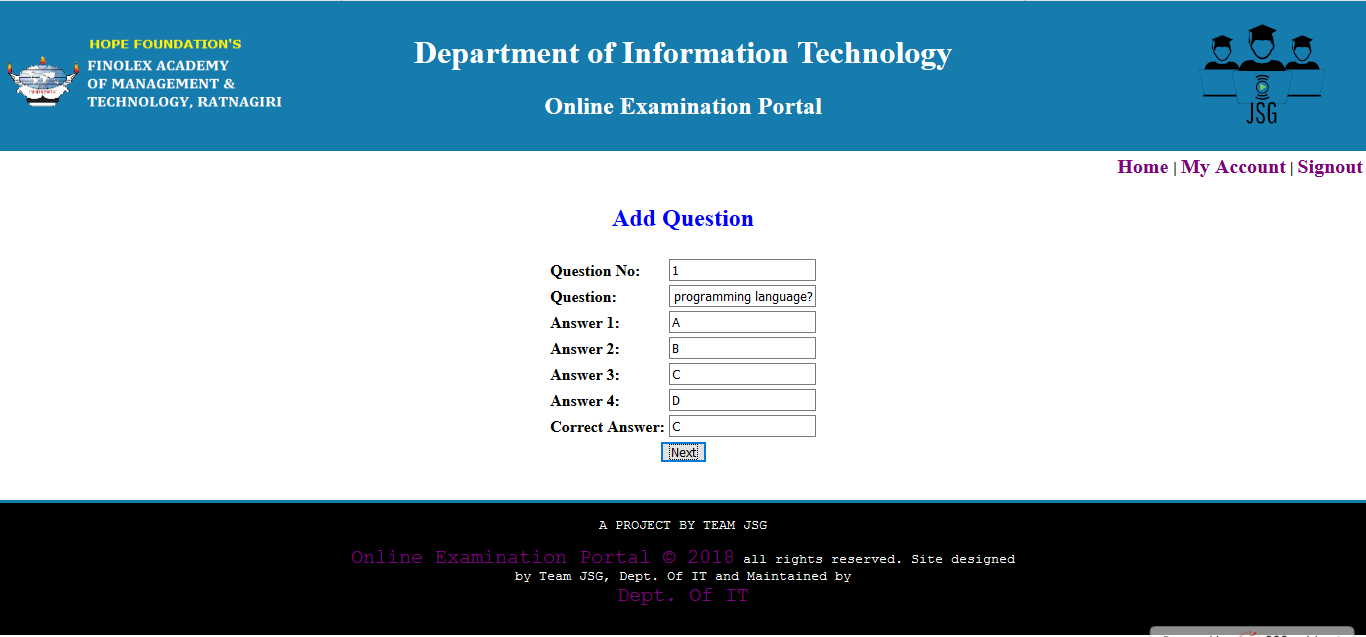
**Fig. 15.1: Selecting proper details**

**8) Then enter new test name and no of questions in the test. If test name is already present then it will show test name not available else Test name available.**



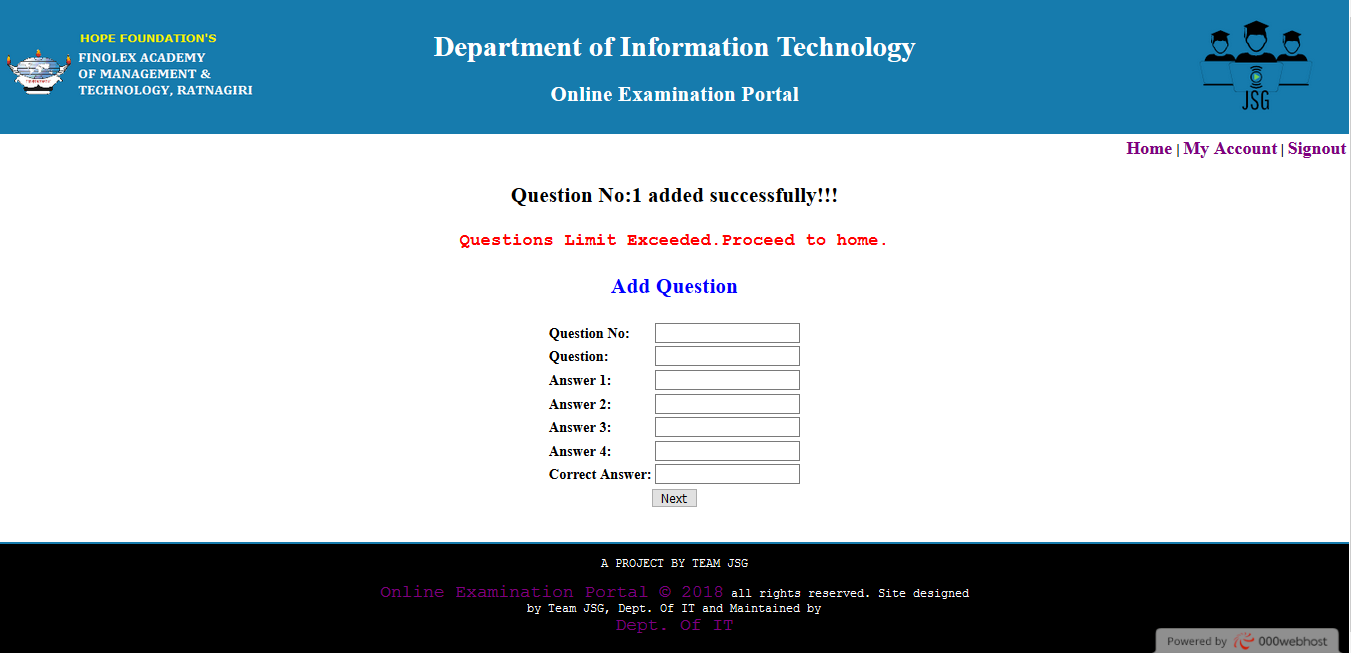
**Fig. 15.2: Details of new test**

**9) Then enter all the details related to question.**



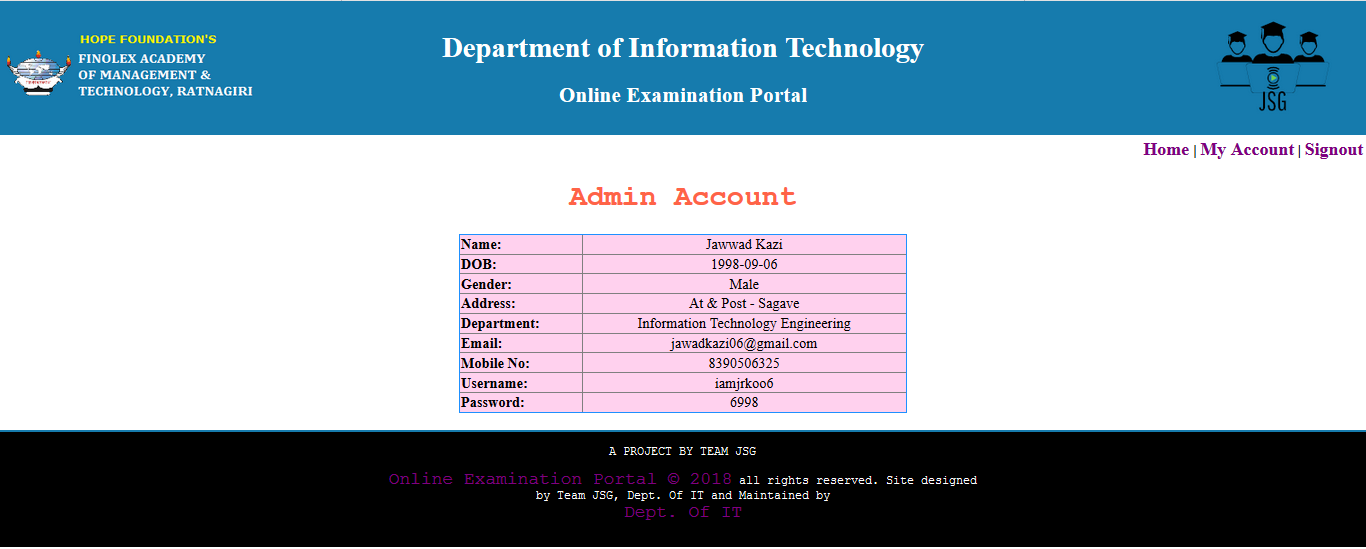
**Fig. 16.1: Question details**

**10) After clicking next it will add question in the test. If it reaches maximum no of questions, then it will show.**



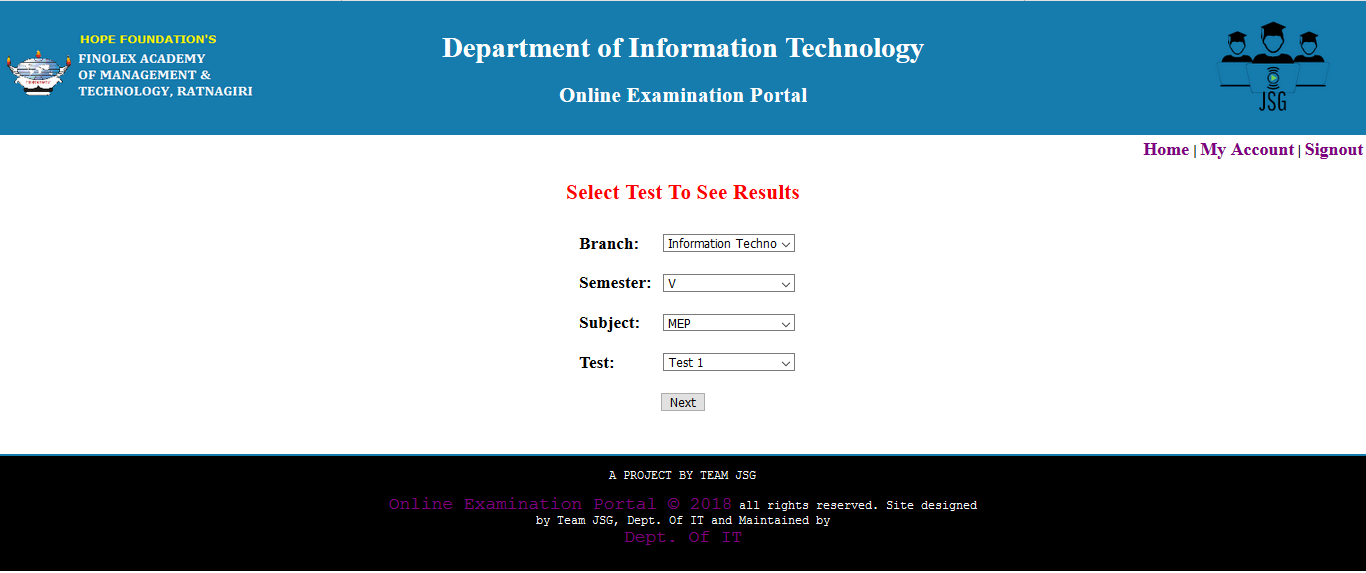
**Fig. 16.2: After adding question**

**11) Teacher can also see its own information by clicking on My Account.**



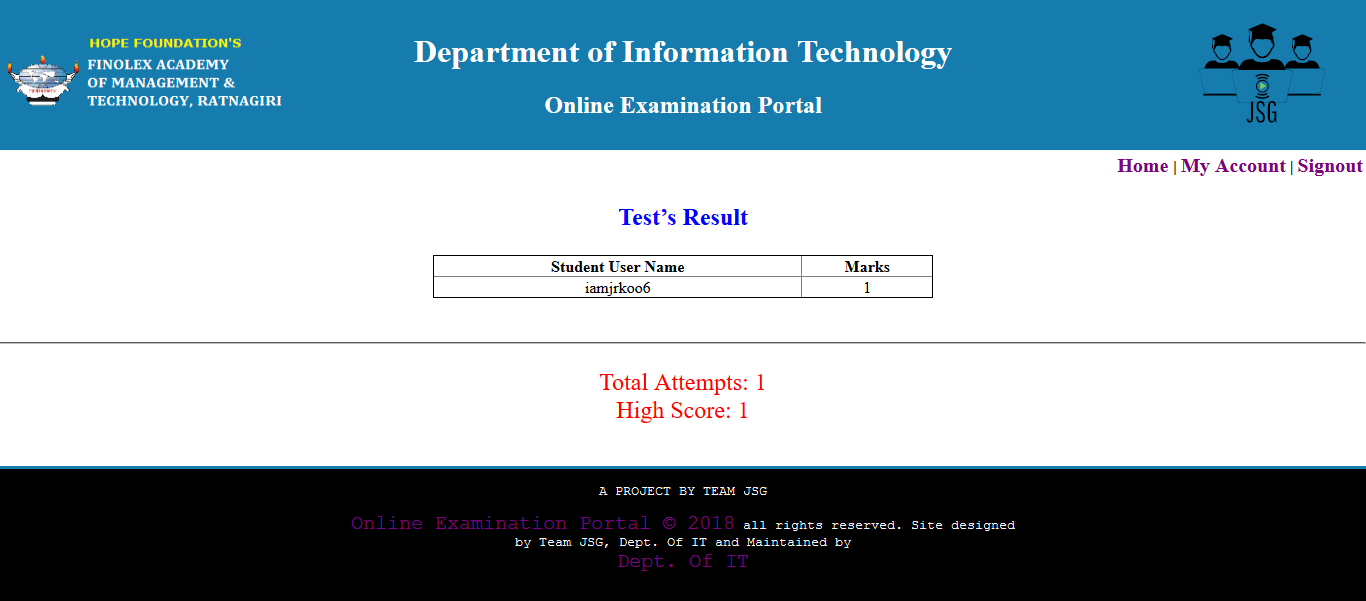
**Fig. 17.1: Admin information**

**12) Teacher can see the result of the test which is created by clicking on “View Test Result”. Select proper details.**



**Fig. 17.2: Select details to see result**

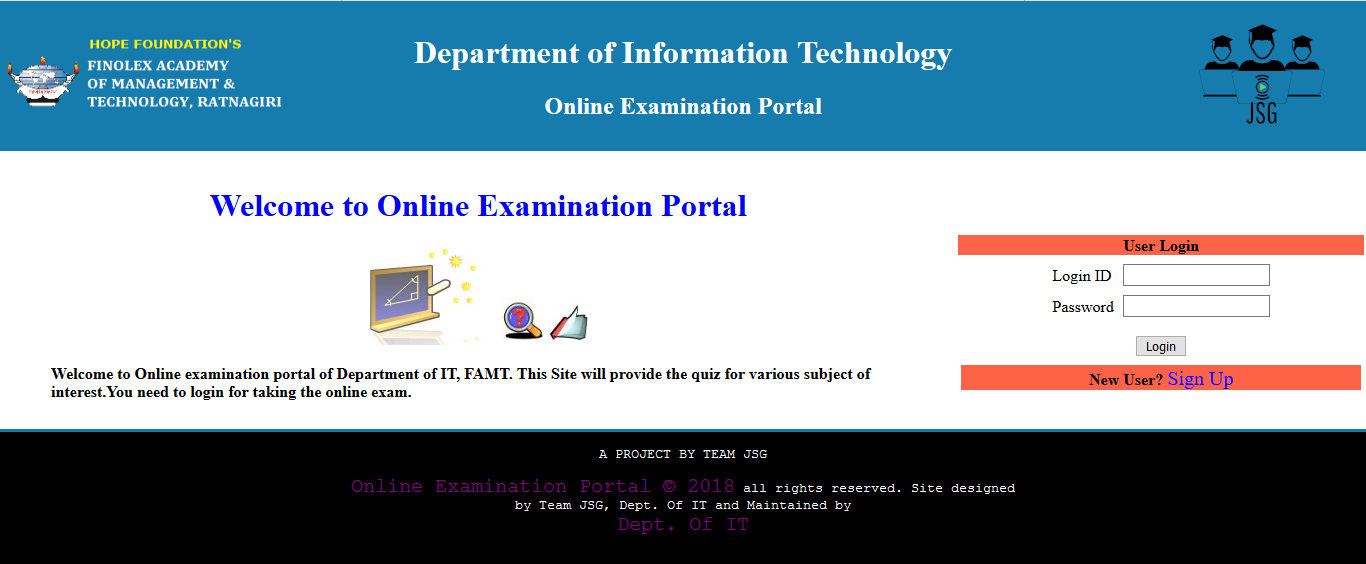
**13) It will show result as**



**Fig. 18.1: Results of the test created by admin**

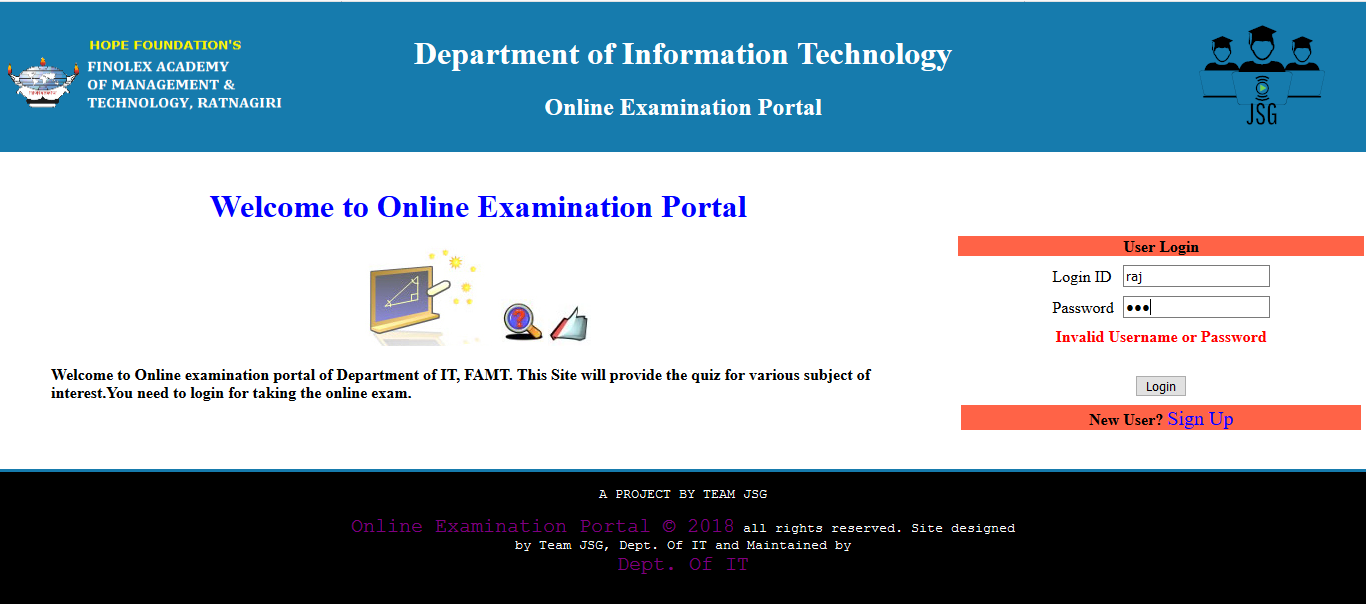
**14) After clicking on “Sign Out” teacher will be logged out and will redirect to main page.**

**1) When student log on for the main page**



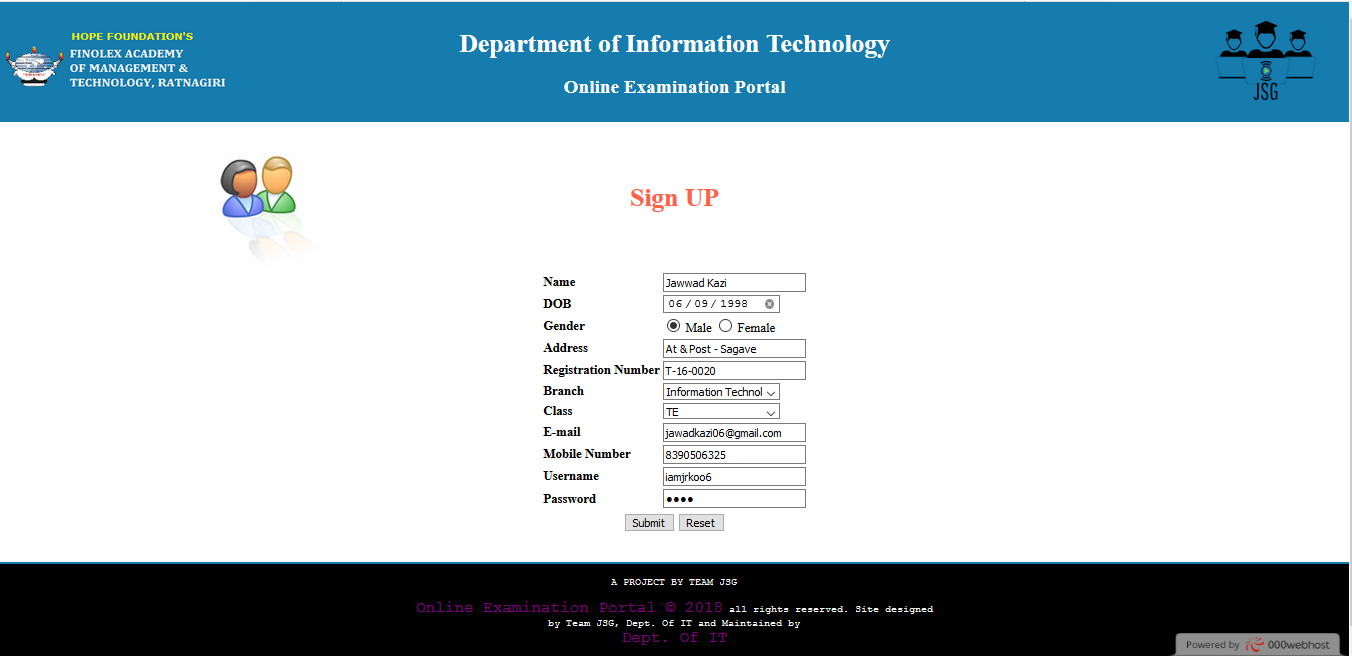
**Fig. 19.1: Student home**

**2) If student tries random credentials**



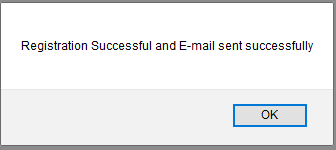
**Fig. 19.2: Invalid login**

**3) When student register oneself on the portal**



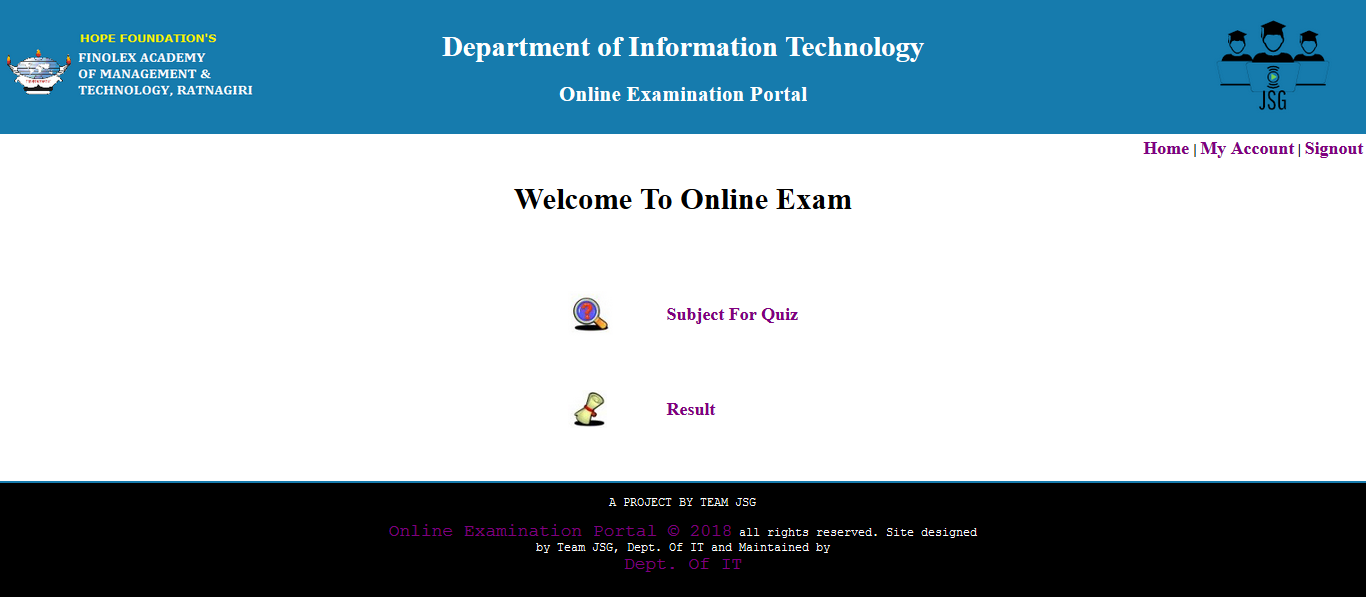
**Fig. 20.1: Student signup**

**4) After successful registration**



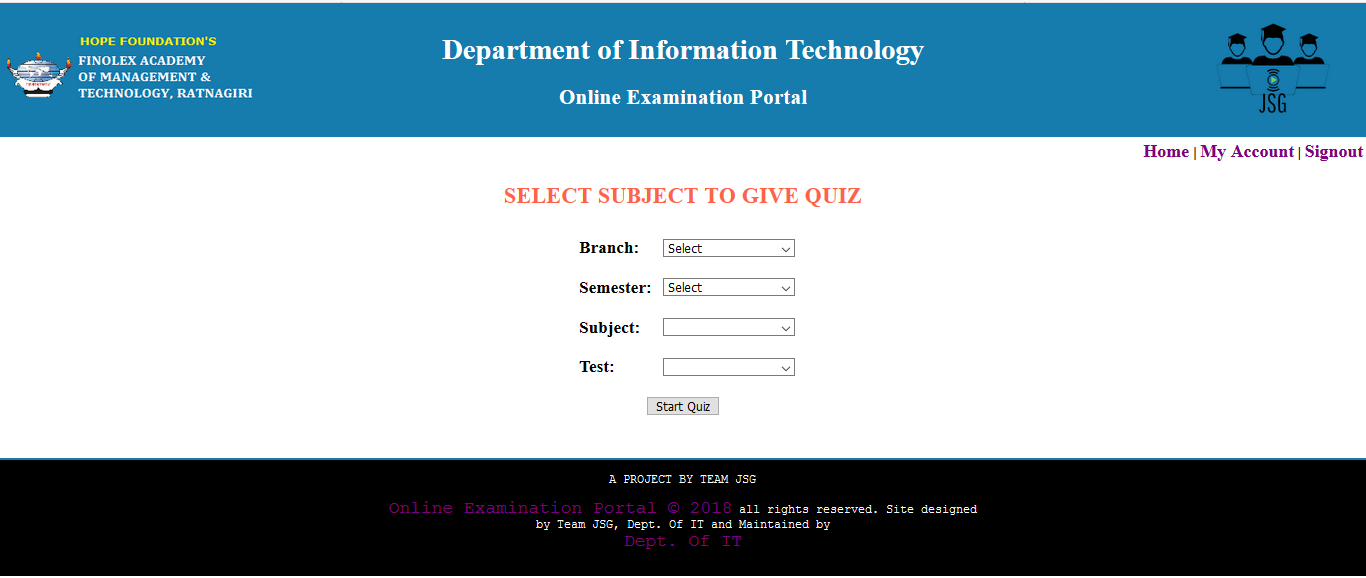
**Fig. 20.2: Student registration successful**

**5) After successful login**



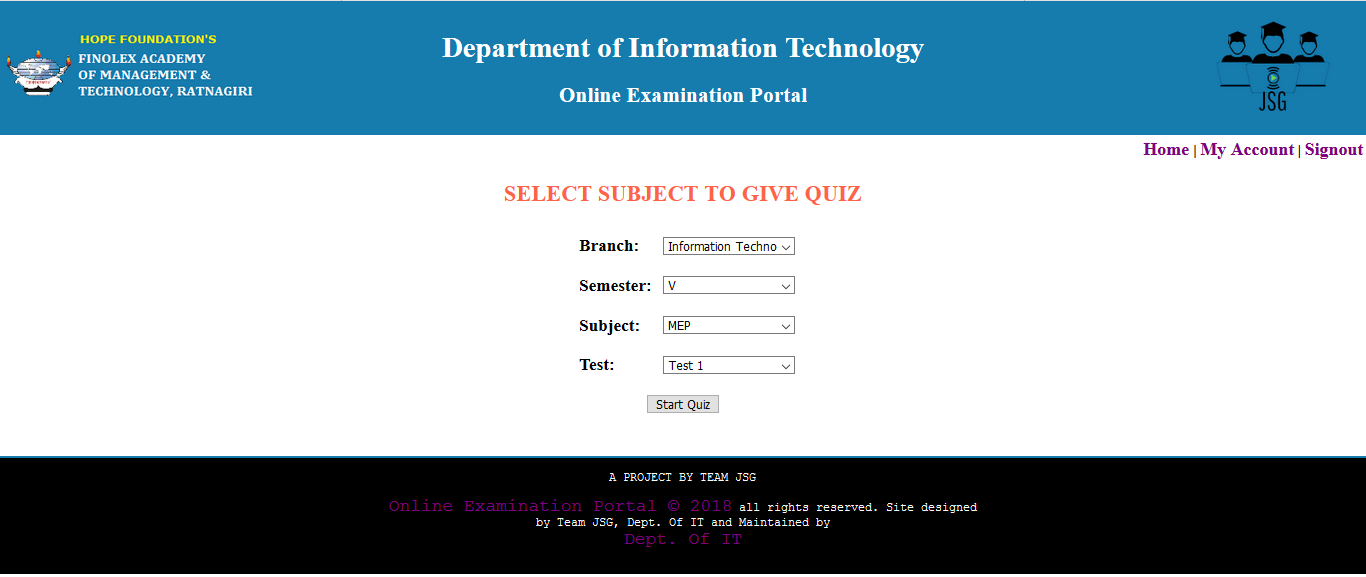
**Fig. 21.1: Student home after login**

**6) Student can search for the test which he/she want to give by clicking on “Subject For Quiz”.**



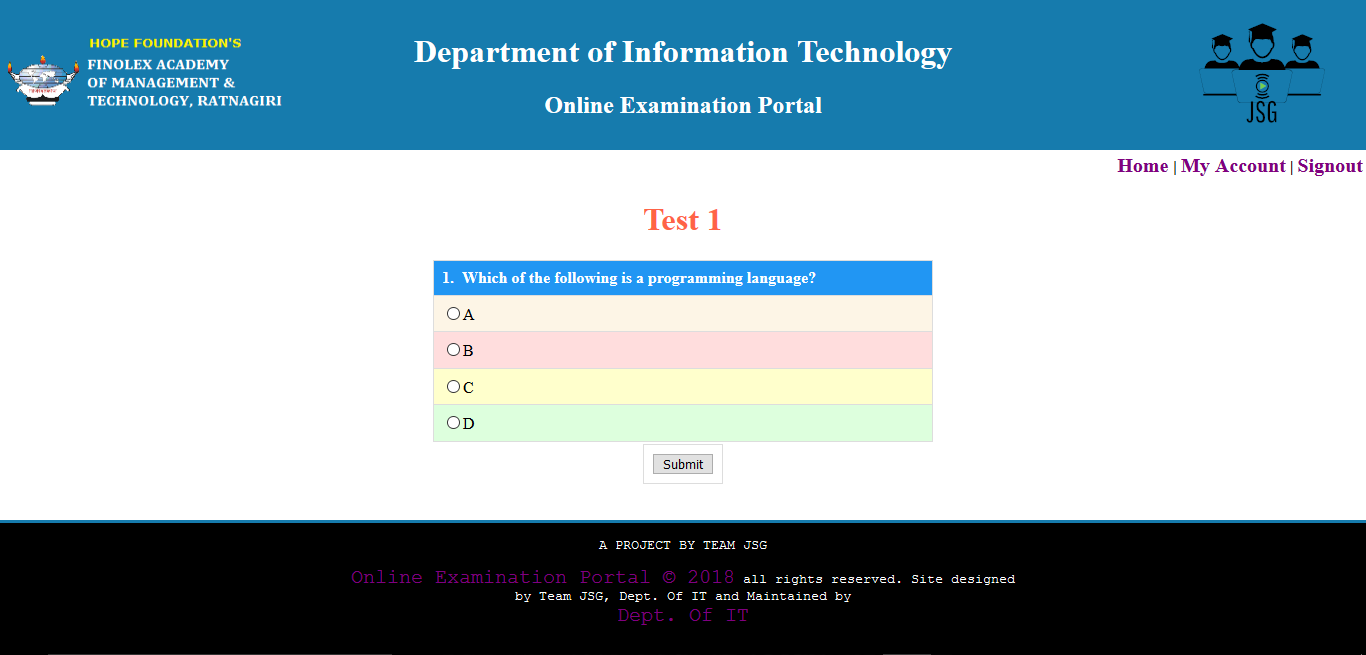
**Fig. 21.2: Select subject to give quiz**

**7) Select proper branch, semester, subject and test. You can give each test maximum once.**



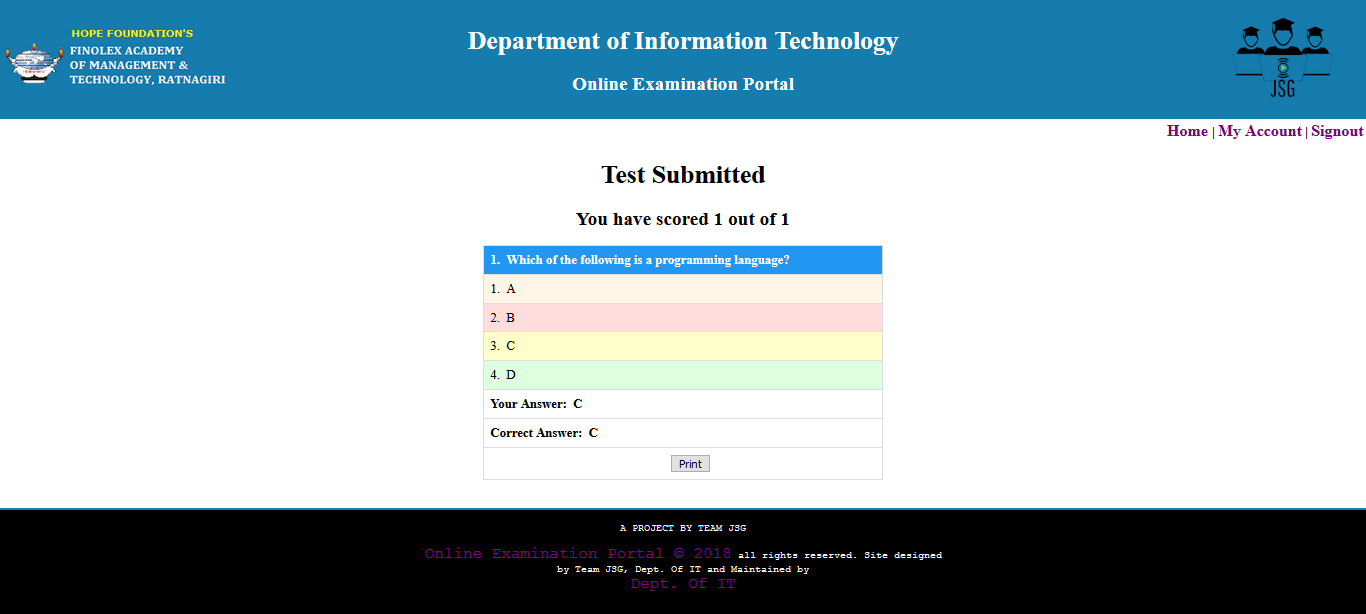
**Fig. 22.1: Select proper details before test**

**8) By clicking on “Start Quiz” it will load all the questions in that test.**



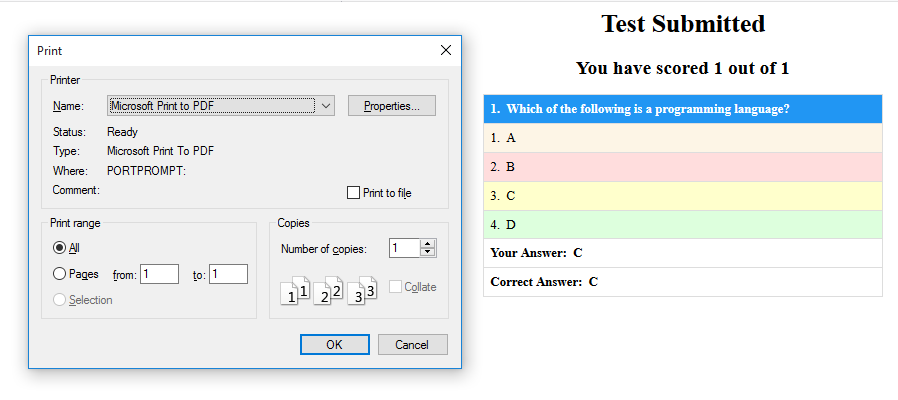
**Fig. 22.2: Attempt quiz**

**9) After selecting options and clicking on “Submit”, it will Submit the test and check all the answers. If answers are correct then it will reward it 1 mark else 0 mark. Then on next page it will show all the result of the test.**



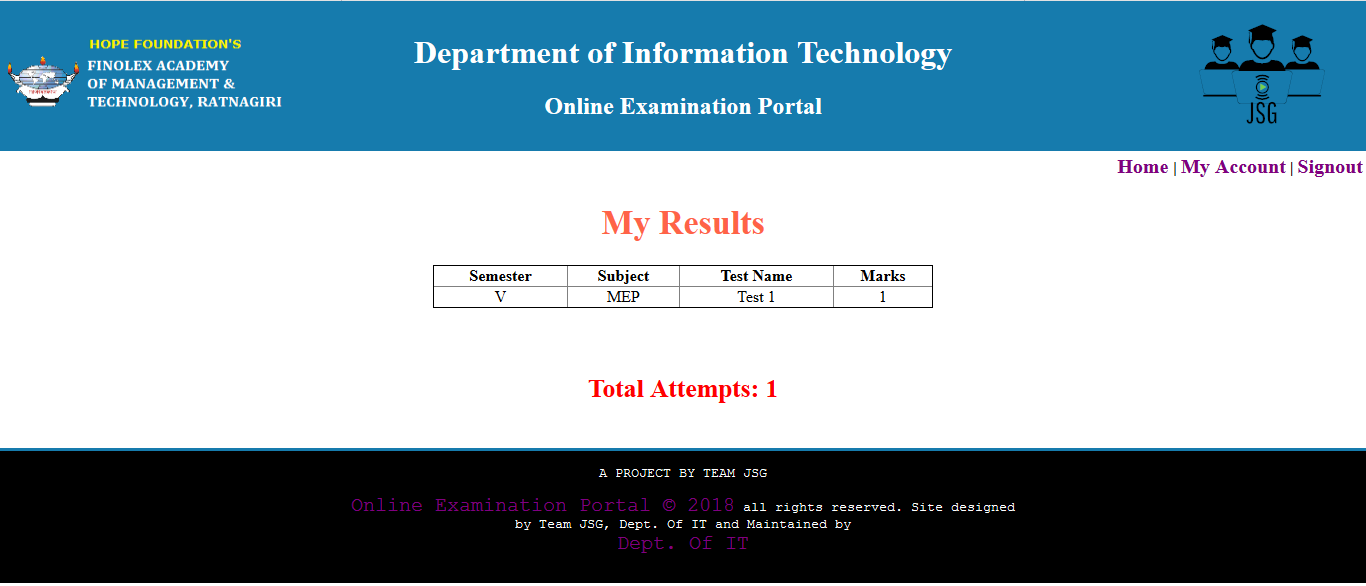
**Fig. 23.1: Test submitted**

**10) Student can print it’s result also or it can save it as pdf by clicking on “Print”**



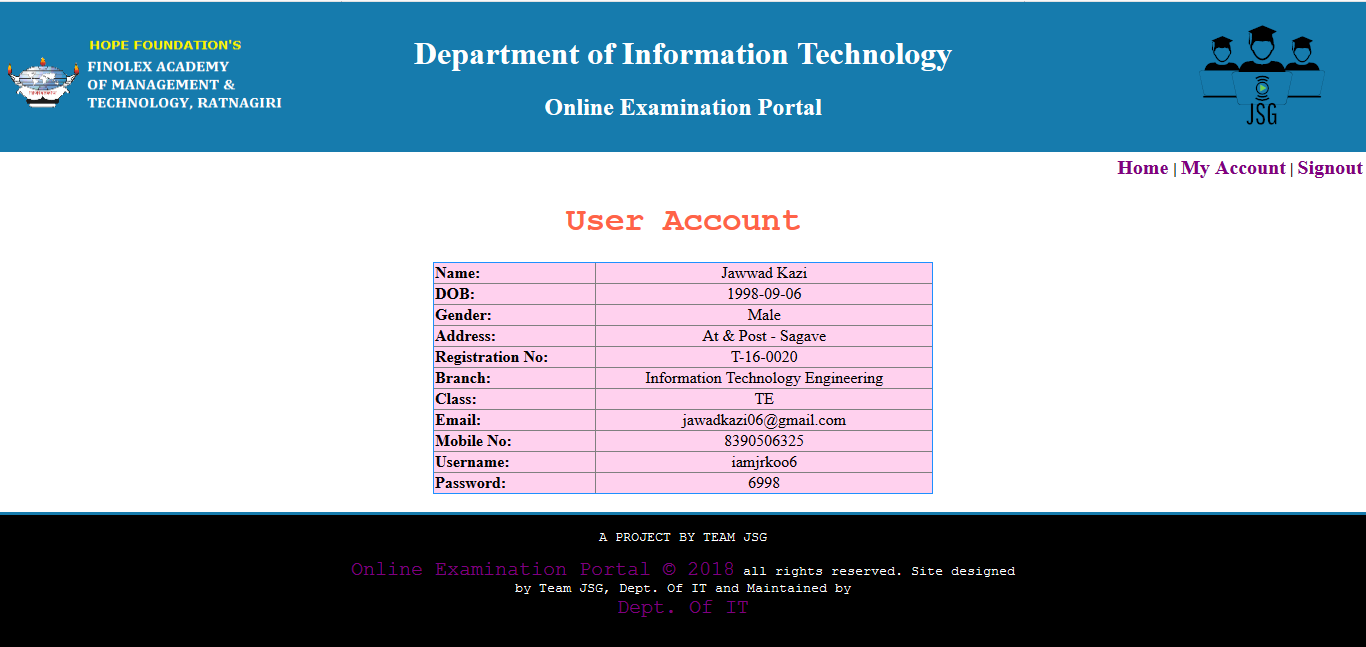
**Fig. 23.2: Print the result**

**11) Student can only see it’s score of all previous test by clicking on “Result”**



**Fig. 24.1: Test results of student**

**12) User can also see its own information by clicking on My Account.**



**Fig. 24.2: User account information**

**13) After clicking on “Sign Out”, user will be logged out and redirect to main page.**

**7. TASK DISTRIBUTION**

|  |  |
| --- | --- |
| **Member Name** | **Task Completed** |
| 1) Kazi Jawwad A Rahim | * Database Connectivity * Back-end PHP working of entire website * Handling errors * Security maintenance |
| 2) Kiratkar Gunjan Narayan | * Front-end development of admin/teacher section * Creation of test’s * Storing result’s test wise * Responsiveness of admin/teacher section |
| 3) Ghogale Sonali Sudhakar | * Front-end development of user/student section * Selection of test and completion of test * Storing result of each test * Responsiveness of user/student section |

**8. REFERENCES**

1. https://mefprocert.com/exam-portal
2. https://www.famt.ac.in/information-technology/
3. https://databases.000webhost.com
4. https://files.000webhost.com
5. https://www.youtube.com/watch?v=uB12Sw7nr-Y
6. https://www.phptpoint.com/projects/online-examination/
7. https://www.w3schools.com/php/
8. https://www.w3schools.com/html/
9. https://www.w3schools.com/css/
10. https://www.w3schools.com/xml/ajax\_php.asp