

ACKNOWLEDGEMENT

We are thankful to the Department Of Computer Technology Government Polytechnic, Nashik for providing us with the best of the facilities.

A successful project is a result of good teamwork, which contains not only the people who put in their logic and hard work but also the people who guided them.

We are extremely grateful for the necessary information, with support provided by Lect. Mr. M. M. Goswami , for his timely suggestion and valuable guidance. We are in debt to his for spending his precious time with us and help us by giving the very important details regarding the project. We would also like to thank for her constant encouragement and guidance to us.

Last but not least we would like to thank all our people who have helped us directly and indirectly in our project.

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Online Examination System

Abstract:

The Online Examination System is easy to use, full-featured and flexible Testing, Examination and Assessment web portal. It allows Administrators to set different examination and question banks for registered students and members. The examination System provides complete functionality of evaluating and assessing student's performance skills. The examination System comprises of Question Bank effectively blended with a whole set of Features. Using different features of the Examination System an administrator can set an exam name, select an examination, and assign questions for examination. The question bank will form the backbone of the automated process and will play an important role in random generation of unique sets of question papers. The more the number of questions the better randomization is achieved.

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Chapter: 1

Introduction

1.1 Project Overview

This project assesses students by conducting online objective tests. The tests would be highly customizable. This project will enable educational institutes to conduct test and have automated checking of answers based on the response by the candidates.

The project allows faculties to create their own tests. It would enable educational institutes to perform tests, quiz and create feedback forms. It asks faculty to create his/her set of questions. Faculty then creates groups and adds related students into the groups. Further the tests are associated with specific groups so that only associated students can appear for the test. The result of the response would be available to the faculty of the question set. Further the result would also be mailed to the student. This project would be helpful for creating practice tests, say for educational institutes and as a feedback form.

1.2 Purpose

- Responses by the candidates will be checked automatically and instantly.
- Online examination will reduce the hectic job of assessing the answers given by the candidates.
- Being an integrated Online Examination System it will reduce paper work.
- Can generate various reports almost instantly when and where required.

1.3 Scope

This project would be very useful for educational institutes where regular evaluation of students' is required. Further it can also be useful for anyone who requires feedback based on objective type responses.

1.4 Definitions, Acronyms

The sub-section provides the definitions of all terms, acronyms, and abbreviations used in this document to understand the SRS properly.

Sr. No.	Terms/Acronyms	Description
1.	Student	User mostly a student who will appear for the examination
2.	Faculty	Another user mostly faculty member, lecturer or examiner who posts set of questions, the available options and correct answers.

Chapter: 2

2 Functional or Specific Requirements

Required software is for conducting on-line '*objective*' type examination and providing immediate results. The system should satisfy the following requirements:

- **Administrator Aspect**

1. Taking backup of the database
2. Editing/Deleting/Creating the database.
3. Adding or expelling faculty
4. Changing the super password.

- **Faculty Aspect**

1. Logging into the system.
2. Creating a test
3. Posting questions in the above test
4. Posting multiple options to respective question
5. Marking correct answer within the given options
6. Time limit of the test if any.
7. Whether to randomize the questions
8. Whether to randomize the options displayed

- **Student Aspect:**

1. Logging into the system.
2. Appearing for the examination.
3. Printing the result at the end of the examination.
4. Reviewing the given responses.
5. Signing Out

- **Analysis**

1. Authenticating users based on username and password
2. Keeping session track of user activity
3. Recording candidates' responses to every question
4. Checking whether the given response is correct or not
5. Keeping history of test reports of all users

2.1 External Interface Requirements

2.1.1 Hardware Interfaces

Server side hardware

- Hardware recommended by all the software needed.
- Communication hardware to serve client requests

Client side hardware

- Hardware recommended by respective client's operating system and web browser.
- Communication hardware to communicate the server.

2.1.2 Software Interface

Server side software

- Web server software(Apache)
- Server side scripting tools: PHP
- Database tools: MySQL, XML DBMS.
- Compatible operating system: Windows

Client side software

- Web browser supporting JavaScript, refer Browser Compatibility 2.3.1

2.1.3 Third Party Software Interfaces

None

2.1.4 Communication Protocol

Following protocols are required to be permitted on the server side

- HTTP incoming request
- HTTPS incoming request if secure gateway is implemented

Following protocols are required to be permitted on the client side

- HTTP outgoing request
- HTTPS outgoing request if secure gateway is implemented

2.1.5 Assumption and Dependency

1. Roll No. of respective user
2. Faculty have the authority to approve/expel student

2.2 Non-Functional Requirements

- System should be able handle multiple users
- Database updating should follow transaction processing to avoid data inconsistency.

2.3 Software System Attributes

2.3.1 Browser Compatibility

Mozilla Firefox (Recommended)

Version 36.0.4 & above

2.3.2 Globalization Support

The questionnaires and their respective options provided by the faculty may or may not be in English. Hence the questions and their options must be in Unicode format that will accept any Unicode character.

2.3.2.1 List of Locale

The system will mostly be in US English, although the questions and their options may not be in US English. Hence the questions and their options are to be in Unicode format.

2.3.2.2 Content to be localized

The following table lists all the possible area in the system and also mentions whether that area should support Globalization.

Interface Type	Needs Localization?
User Interface	Yes*
Emails sent by system,	Yes*
Standard Errors and exceptions logged by system in error log	No
Logos, Images	No
Unit of Measurement (Ex. Length, Weight, Area, Volume, Paper Size etc)	No
Reports	Yes*

*Limited to questionnaires set by user who posted questions.

2.3.3 Security

- Administrator has the highest authority to edit/delete/create database
- Faculty have the authority to add/expel students
- Students can only view their test records.
- Faculty can view all the test records of every student.
- Critical information like passwords should be transferred in encrypted form

2.3.4 Reliability

Data validation and verification needs to be done at every stage of activity.

- Validating user input
- Use of locking mechanism while updating database like transaction processing
- Recovering the transaction using rollback.

2.3.5 Availability

The examination system being an online system should be available anytime.

Constraints:

Though the system should be available 24x7 some features may be restricted.

- Quiz creator may allow the specific test to be available only at certain time like scheduled examination.
- The test may be time limited so the candidates appearing will have limited time to answer the test.

2.3.6 Portability

- The web application will be built using PHP which has support to run on any platform provided the required compilers are available.
- For database either XML or MySQL would be used, that too has extensive support over many popular architectures and operating systems.

Constraints:

Portability would be limited to the support provided by the respective application vendor on various architectures and operating environments.

2.3.7 Performance

The system would be used by multiple users at a time and may grow as time passes; the system would need to implement multithreading to achieve acceptable performance. Further a database connection pool may also be required for assigning faster database connection.

2.4 Database Requirements

Database fields for questions and respective options must be in Unicode format to handle non English characters

2.5 Technologies

This section lists all the technologies for the web based system.

- PHP scripting for server side scripting as it has a very strong support for XML and MySQL.
- XML as database format: The database' performance requirements are not very high and the ability to have custom fields in case the quiz creator needs to add more than expected answer options. This is limited in any other database management system where we have to first specify the maximum number of fields.
- Apache as web server has a tight integration with PHP and is also available for various popular platforms.

2.6 Software

Sublime Text 2 for PHP and XML coding.

Apache as Web server

2.7 Hardware

The recommended hardware specified by the respective software would suffice the needs. The memory and processing power needed would increase as the number of users increase. The estimated hardware requirements are as specified.

2.7.1 Server

The minimum hardware as recommended by all of the software required on server side say web server, operating system and development software

- Processing speed of 1.6 GHz
- 1 GB of RAM
- Network interface

2.7.2 Client

The minimum hardware as recommended by all of the software required on client side say web browser, operating system

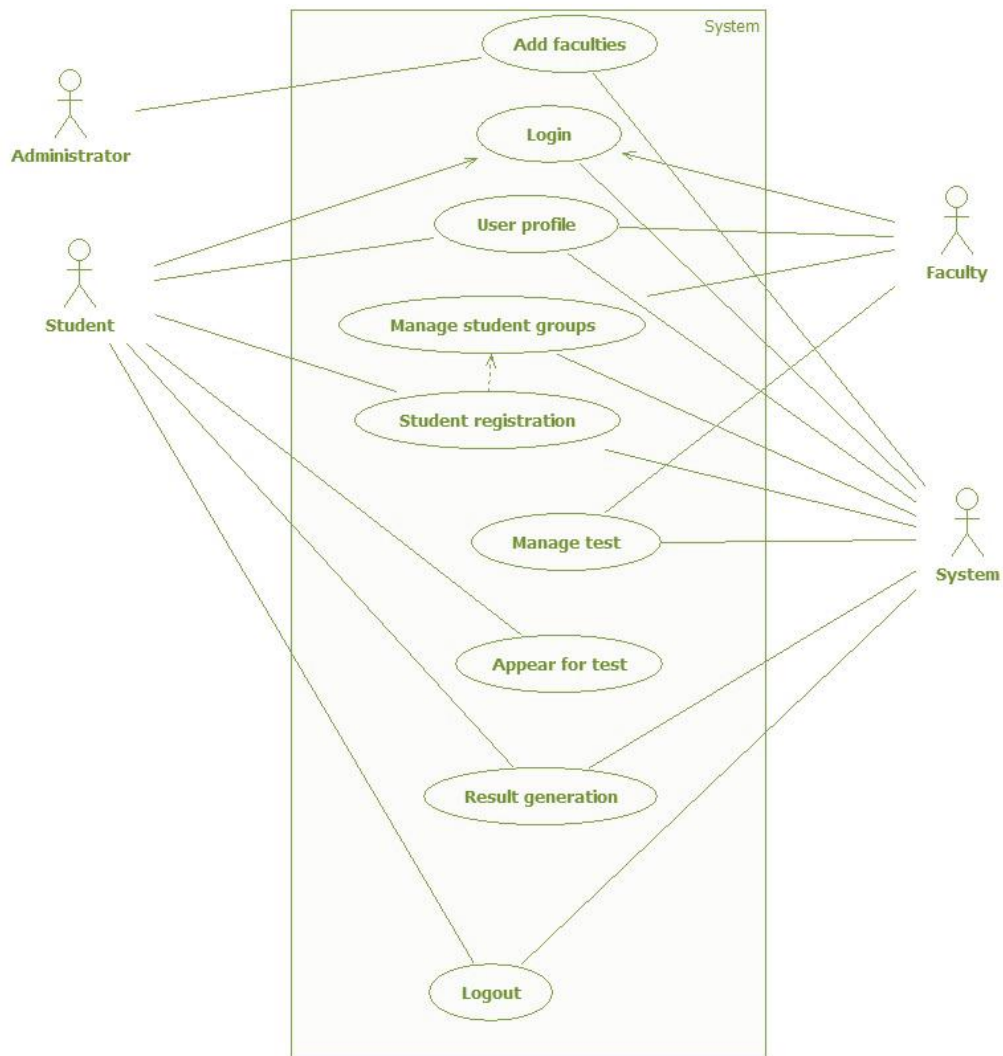
- Minimum hardware depending on the operating system used
- True color visual display unit
- User peripherals for better interaction

Chapter: 3

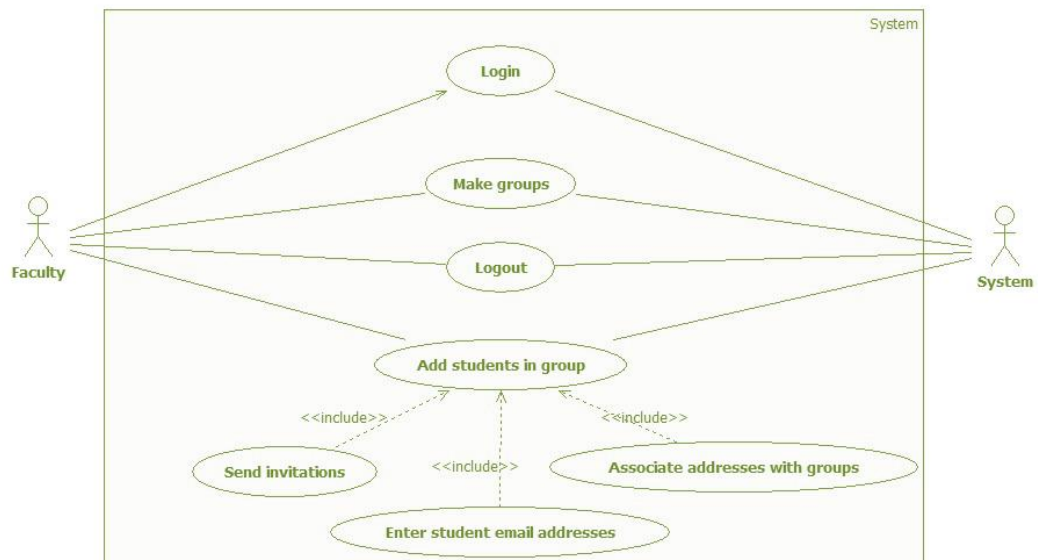
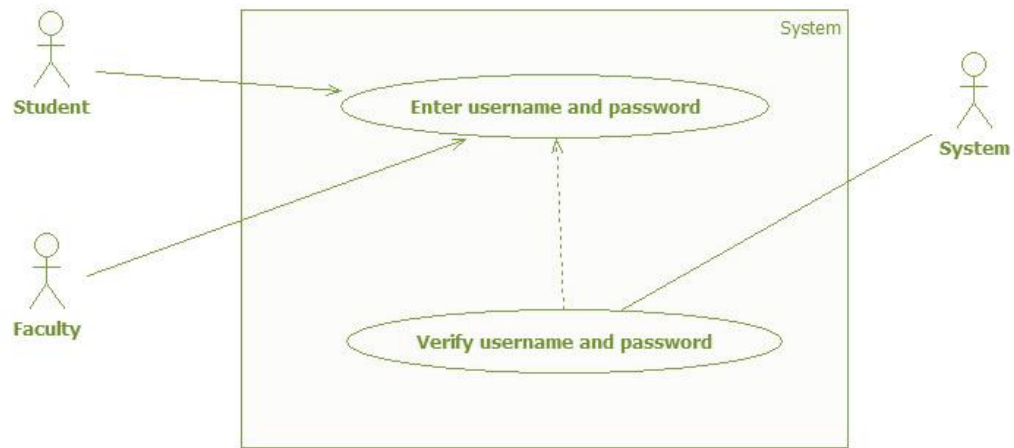
3 Analysis and Design

3.1 Use Case Diagram

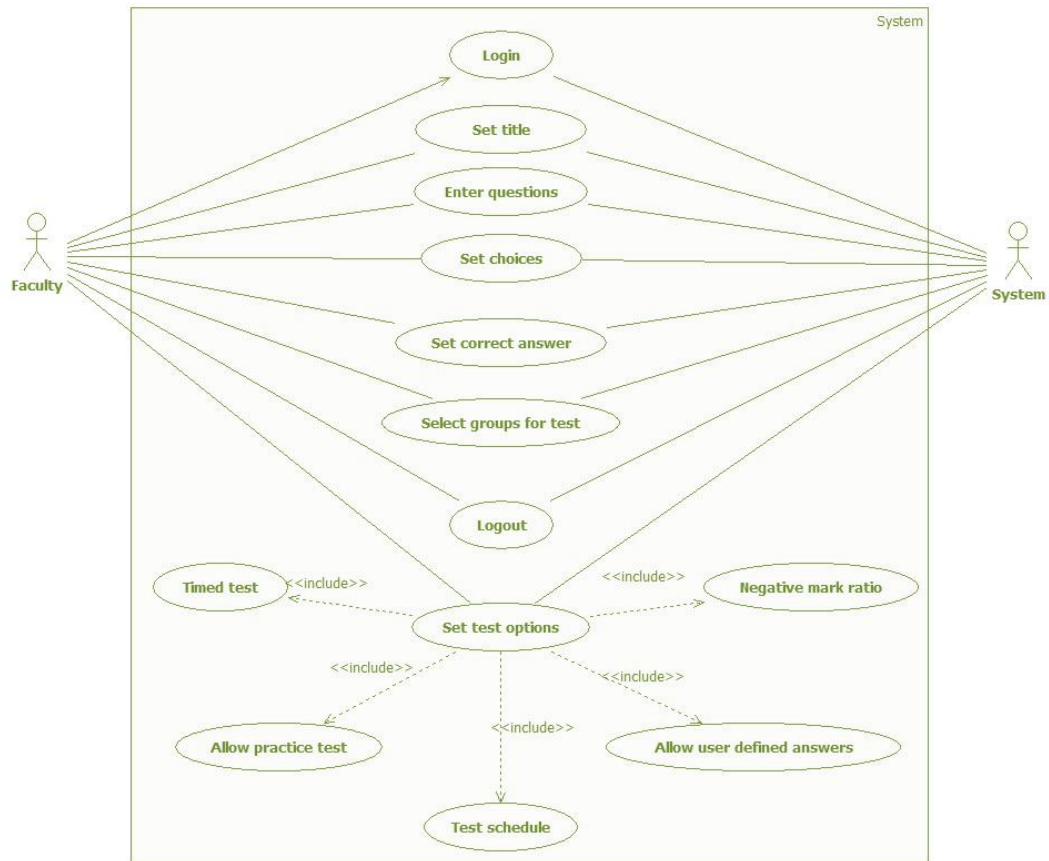
3.1.1 Use case Overview



3.1.2 Login Use Case

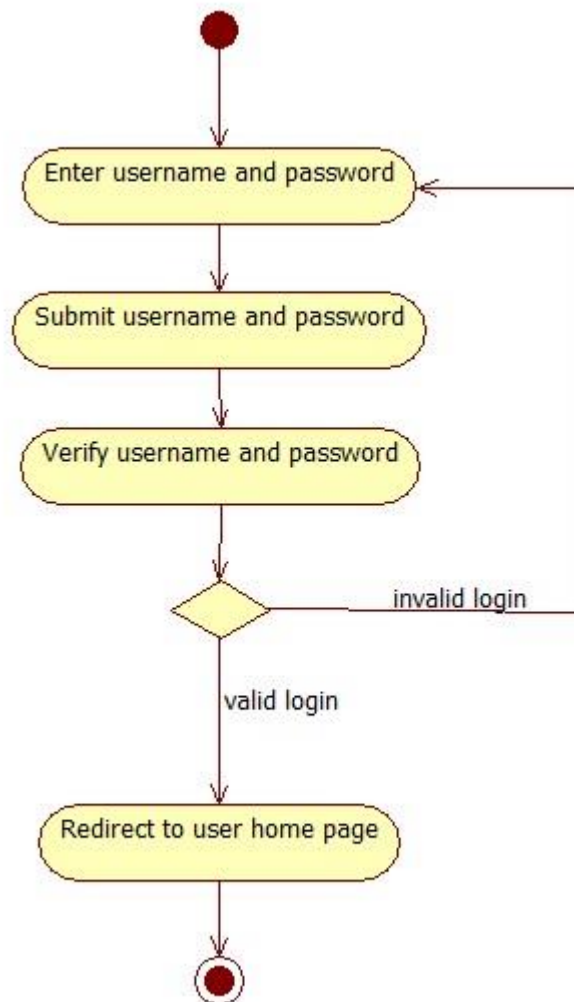


Manage Test Use Case

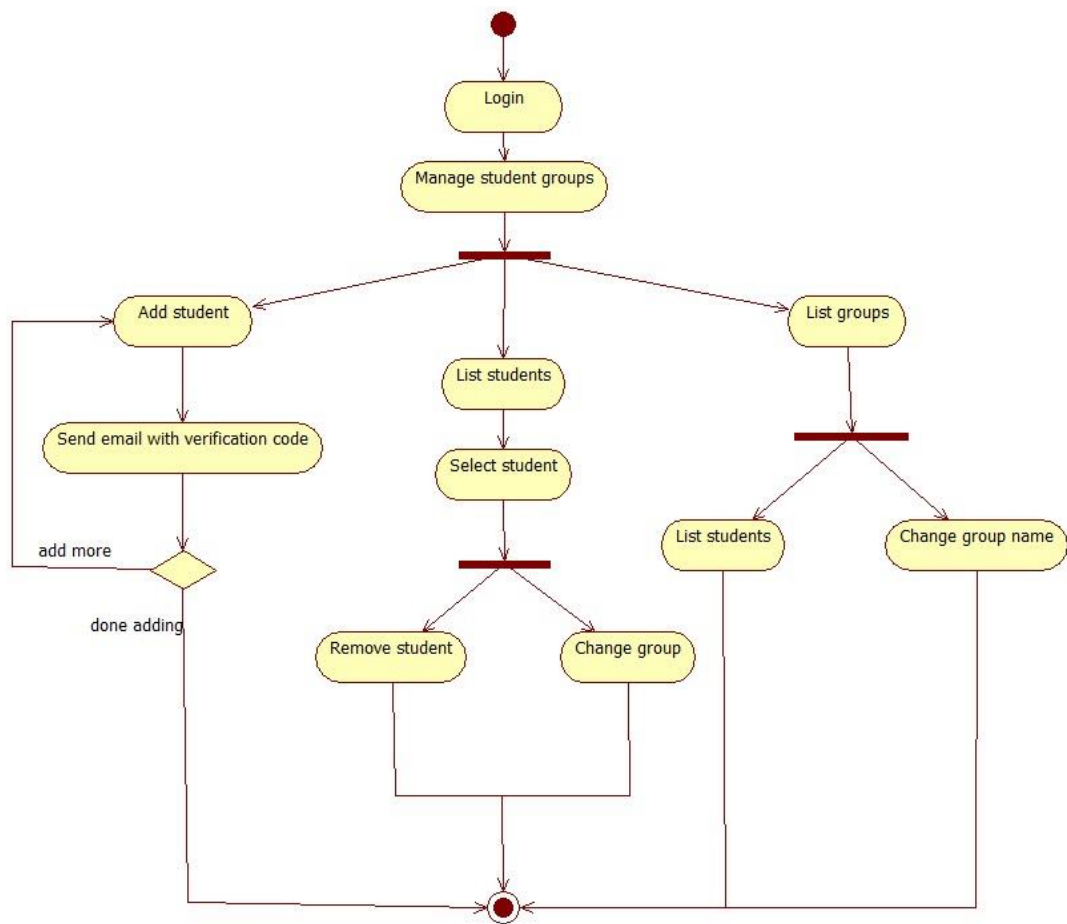


Activity Diagram

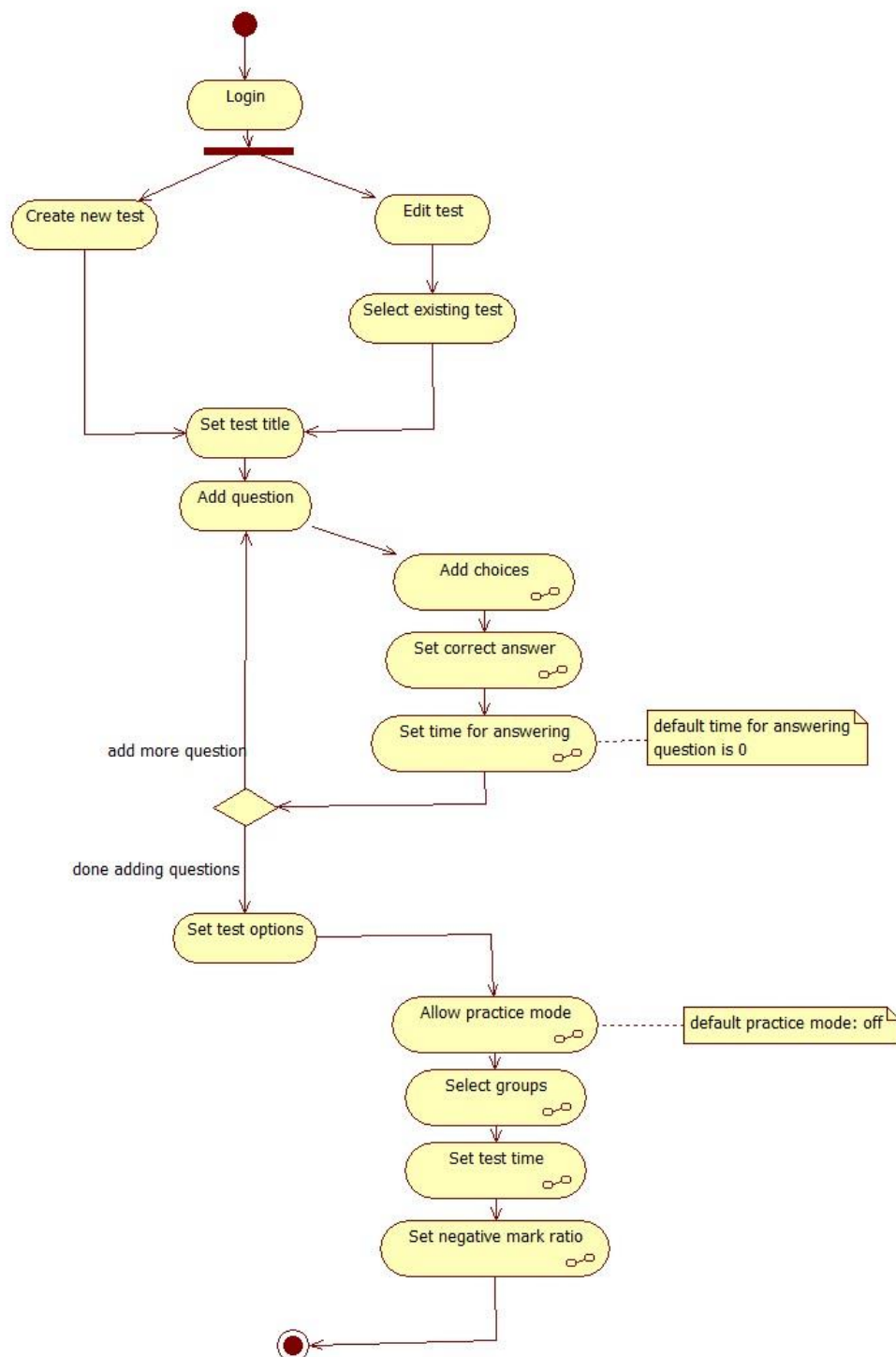
3.1.3 Login Activity Diagram

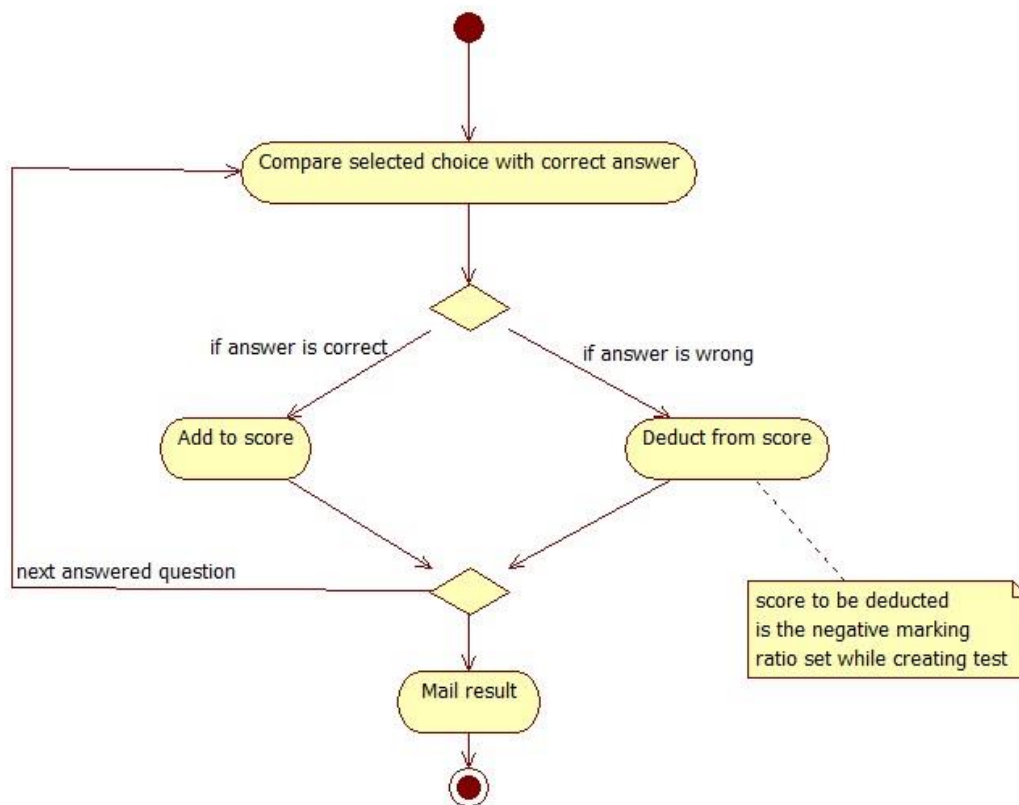


3.1.4 Manage Students Activity Diagram

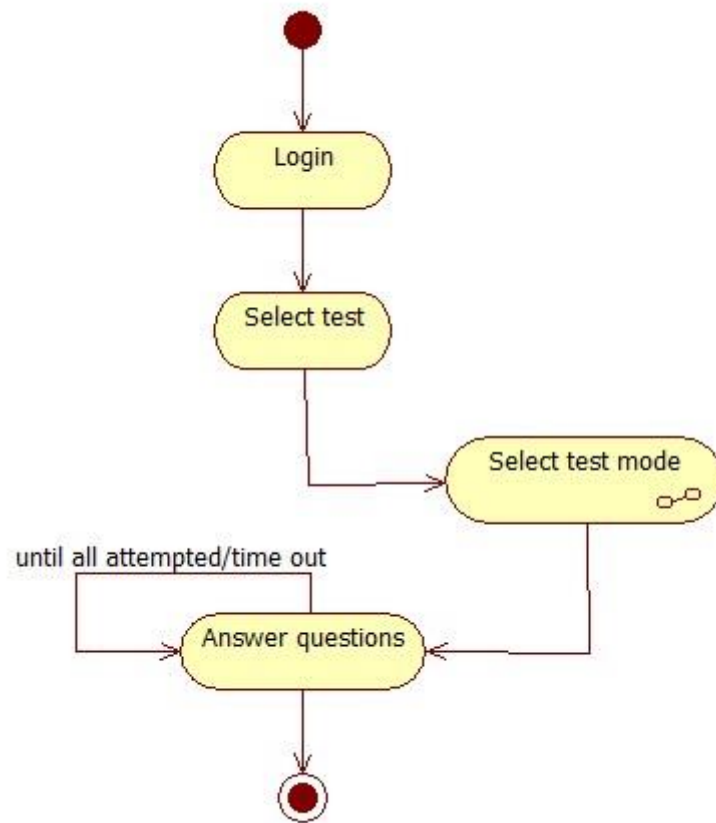


3.1.5 Manage Tests Activity Diagram



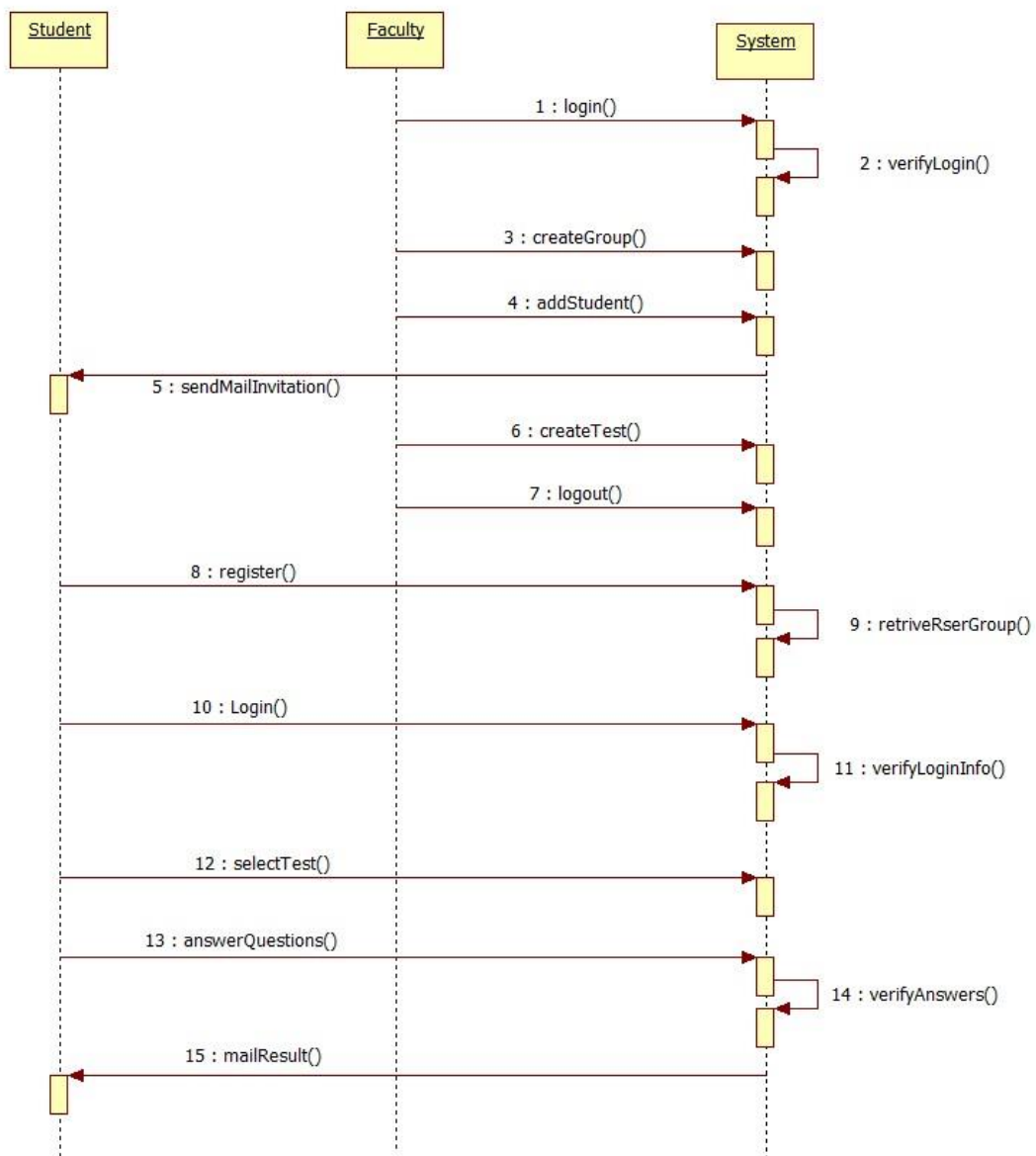
3.1.6 Generate Result Activity Diagram

3.1.7 Answer Test Activity Diagram

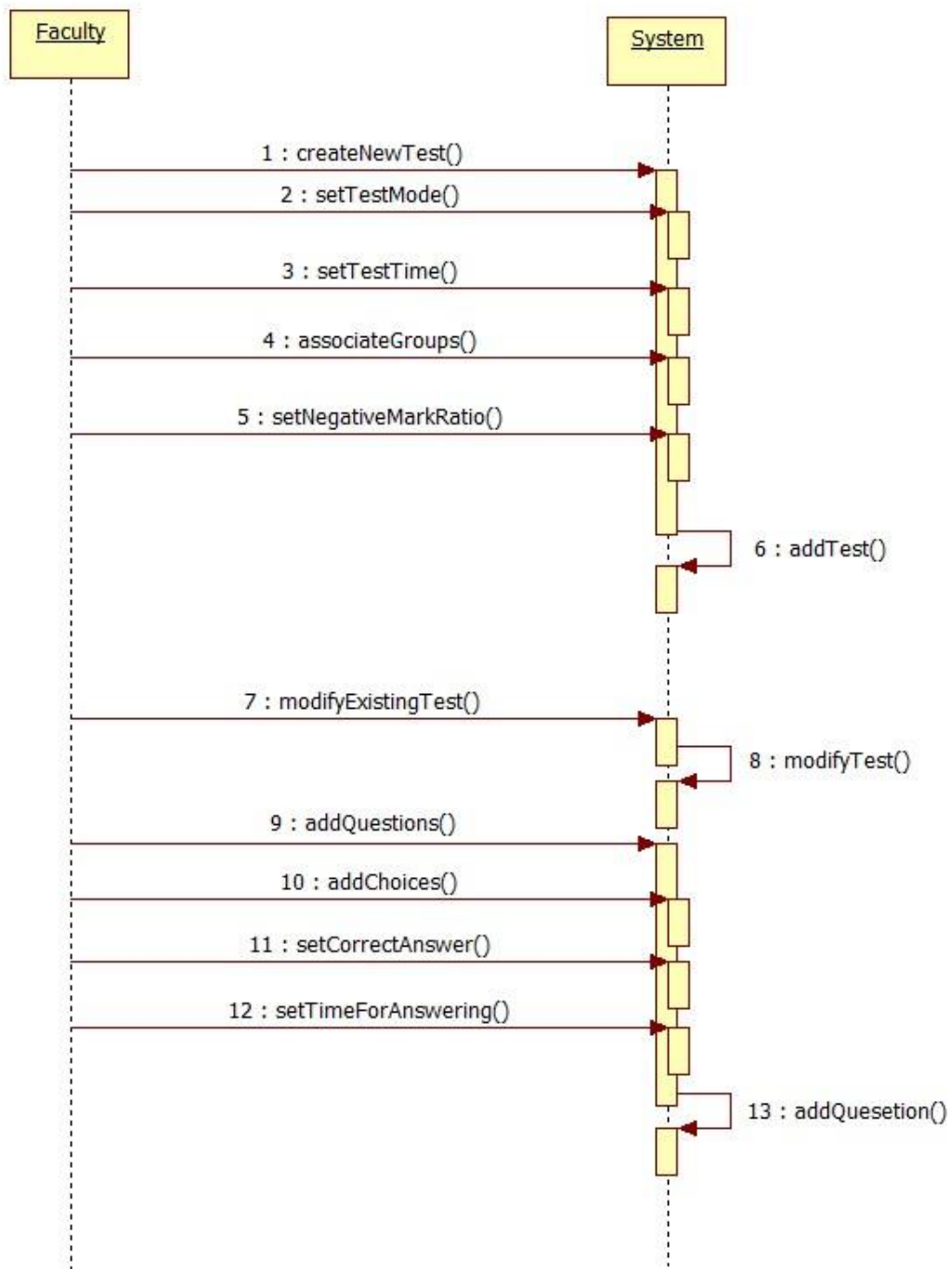


3.2 Sequence Diagrams

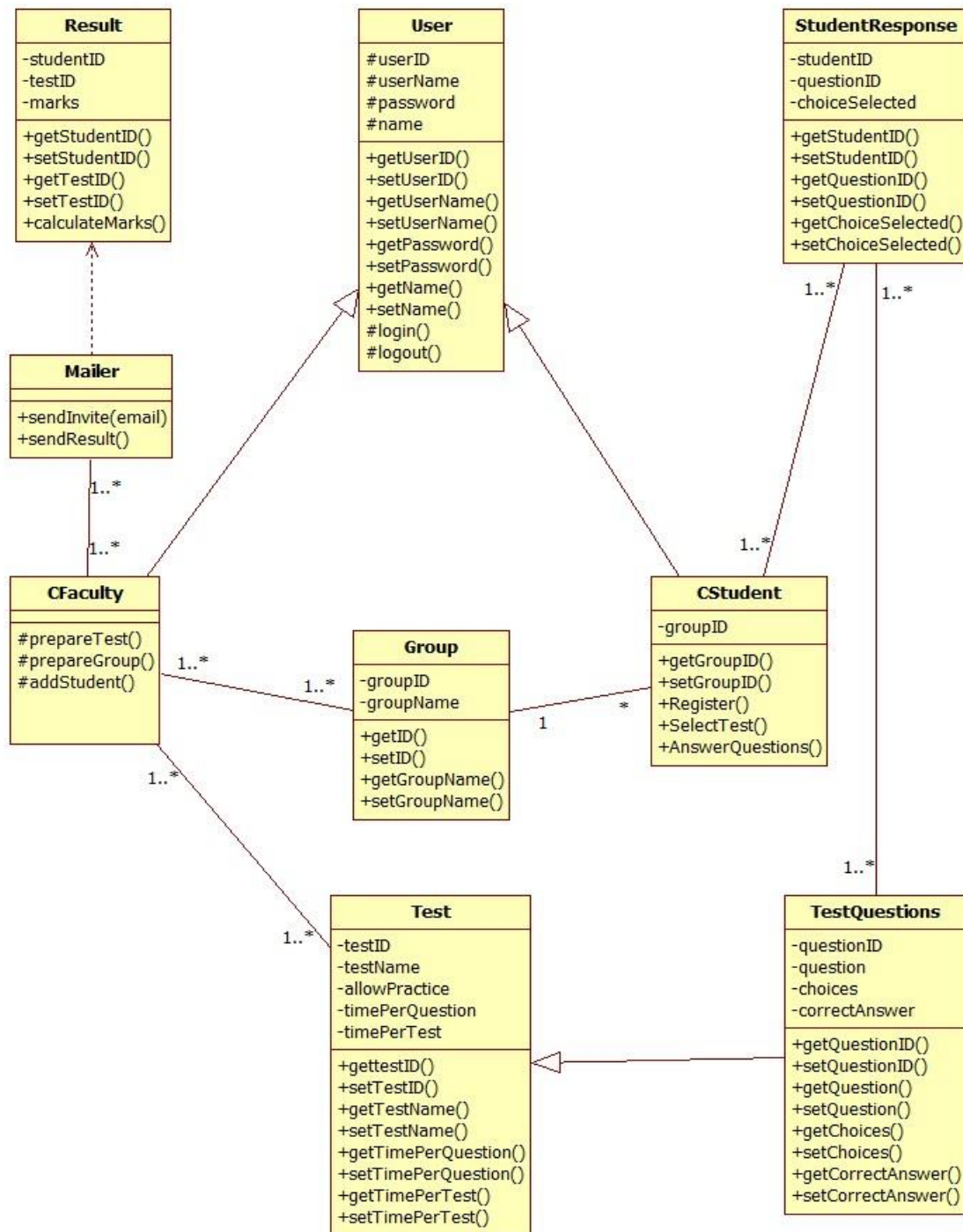
3.2.1 Sequence Diagram Overview



Manage Test Sequence Diagram



3.3 Class Diagram



3.4 Database Design

Branch Database View:-

148105

Column	Type	Null	Default
que_id	int(4)	No	
que_desc	tinytext	Yes	NULL
true_ans	int(5)	Yes	NULL
stud_ans	int(5)	Yes	NULL

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	que_id	0	A	No	

148106

Column	Type	Null	Default
que_id	int(4)	No	
que_desc	tinytext	Yes	NULL
true_ans	int(5)	Yes	NULL
stud_ans	int(5)	Yes	NULL

Indexes

Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
PRIMARY	BTREE	Yes	No	que_id	3	A	No	

Exam Database View:-

Column	Type	Null	Default
que_id	int(3)	No	
course_code	int(8)	No	
que_desc	text	No	
ans1	text	No	
ans2	text	No	
ans3	text	No	
ans4	text	No	
true_ans	int(5)	No	

admin_login

Table comments: admin_login

Column	Type	Null	Default
Username	varchar(10)	No	
Password	varchar(10)	No	

answer_sheet

Table comments: answer_sheet

Column	Type	Null	Default
que_id	int(10)	No	
que_desc	varchar(500)	No	
ans1	varchar(150)	No	
ans2	varchar(150)	No	
ans3	varchar(150)	No	
ans4	varchar(150)	No	
true_ans	int(5)	No	
your_ans	int(5)	No	

Physics Database View:-

||

automobile

Table comments: automobile

Column	Type	Null	Default
Sr_No	int(2)	Yes	NULL
Reg_No	int(6)	Yes	NULL
S_Name	varchar(30)	Yes	NULL
S_Programme	varchar(2)	Yes	NULL
Cou_Code	varchar(6)	Yes	NULL
Sign	varchar(10)	Yes	NULL

civil_1

Table comments: civil_1

Column	Type	Null	Default
Sr_No	int(2)	Yes	NULL
Reg_No	int(6)	Yes	NULL
S_Name	varchar(29)	Yes	NULL
S_Programme	varchar(2)	Yes	NULL
Cou_Code	varchar(6)	Yes	NULL
Sign	varchar(10)	Yes	NULL

Chemistry Database View:-

||

automobile

Table comments: automobile

Column	Type	Null	Default
Sr_No	varchar(4)	Yes	NULL
Reg_No	varchar(6)	Yes	NULL
S_Name	varchar(50)	Yes	NULL
S_Programme	varchar(30)	Yes	NULL
Cou_Code	varchar(10)	Yes	NULL
Sign	varchar(5)	Yes	NULL

civil_1

Table comments: civil_1

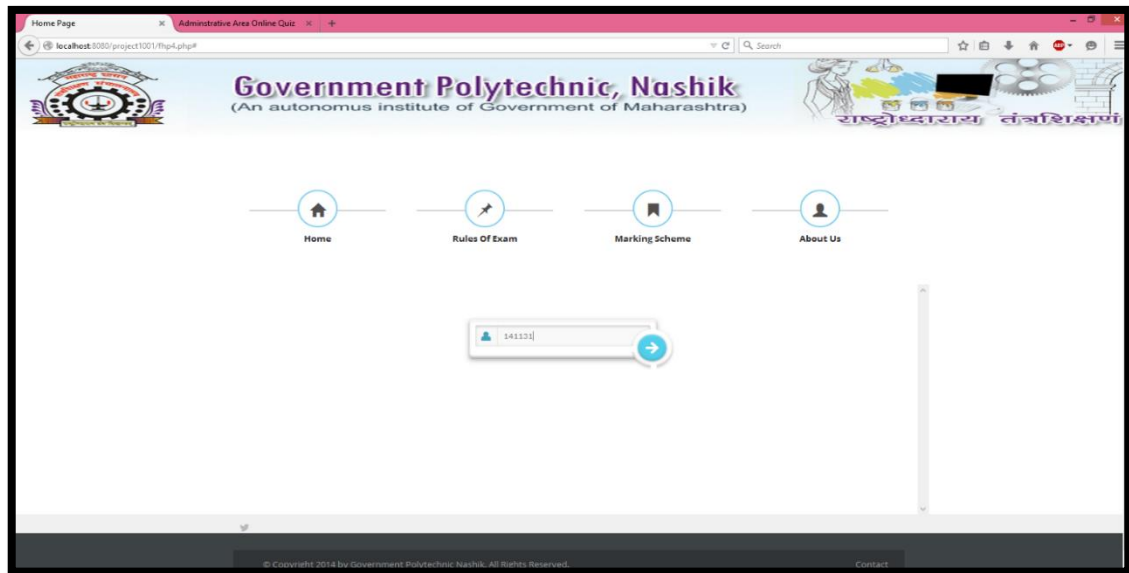
Column	Type	Null	Default
Sr_No	varchar(4)	Yes	NULL
Reg_No	varchar(6)	Yes	NULL
S_Name	varchar(50)	Yes	NULL
S_Programme	varchar(30)	Yes	NULL
Cou_Code	varchar(10)	Yes	NULL
Sign	varchar(5)	Yes	NULL

Chapter: 4

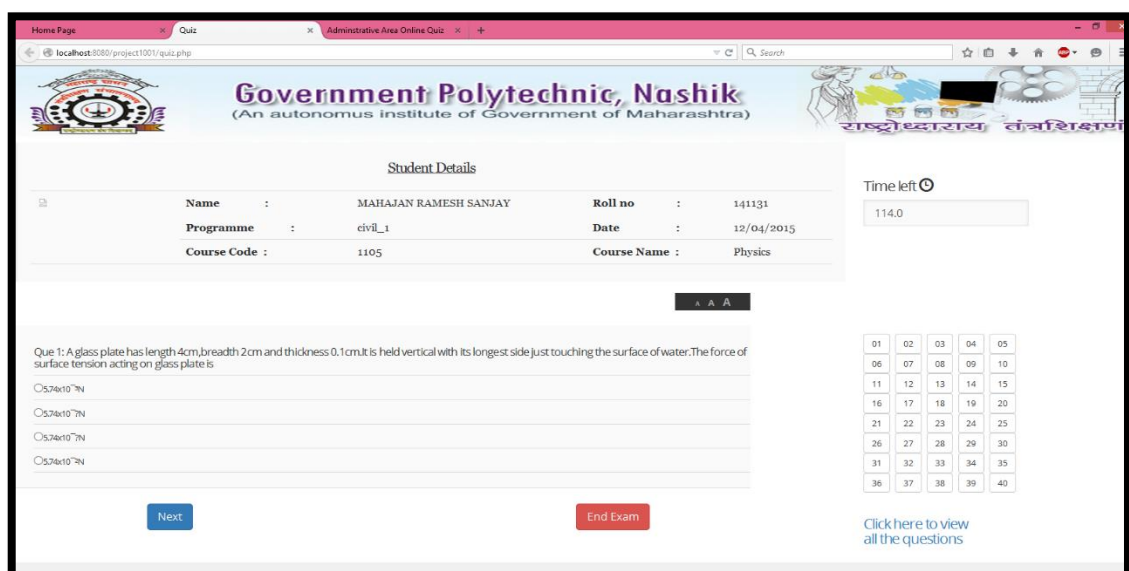
4. User Interfaces

The interfaces of this system are as below

4.1 Home Page



4.2 Interface



4.3 Admin Interface

Government Polytechnic, Nashik
(An autonomous institute of Government of Maharashtra)

Admin Home | Sign Out

Start Exam End Exam Show details Results

Programme :
 Year :
 Term :
 Course Code :
 Course Name :
 Question Sets :

Start

4.4 Report

Roll No.	Student Name	Course Code	Course Name	Question Set	Marks	Percentage
141130	MAHAJAN PUJA PANDHARINATH	civil_1	1105	Physics	7	3.5
141130	MAHAJAN PUJA PANDHARINATH	civil_1	1105	Physics	7	3.5
141122	HIRE PRATIKSHA ASHOK	civil_1	1105	Physics	7	3.5
141123	JADHAV GAURAV APPA	civil_1	1105	Physics	1	0.5
141125	KHAIRNAR LALITA SANJIV	civil_1	1105	Physics	4	2
141127	KHANDARE PRANJAL RAJESH	civil_1	1105	Physics	3	1.5
141124	JADHAV SHOBHA LAXMAN	civil_1	1105	Physics	1	0.5
141132	MORE SHRUTI BALASAHEB	civil_1	1105	Physics	3	1.5
141112	CHOPRADE TANUJA GAJANAN	civil_1	1105	Physics	0	0
141101	AHIRE PRABUDDHABHUSHAN ASHISH	civil_1	1105	Physics	0	0
141136	PATHAK GAURI DILIP	civil_1	1105	Physics	0	0
141131	MAHAJAN RAMESH SANJAY	civil_1	1105	Physics	0	0

Chapter: 5

Coding Module

- **Fhp4.php** (START THE PHP SESSION FIRST OF ALL) (Homepage)

```

<link rel="stylesheet" href="css/style.css" media="screen" type="text/css" />
<?php                                     //      START THE PHP SESSION FIRST OF ALL
    session_start();
    ?>
!DOCTYPE    HTML    PUBLIC    "-//W3C//DTD    HTML    4.01    Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
    <head>
    <!--Header files to be included -->
    </head>
    <body>
    <!--T function selects the page to be opened when the Home,Marking scheme,Rules and About
us are selected -->
        <script>
                                function SetPage(url)
                                {
                                document.getElementById("myframe").setAttribute("src",
url);
                                }
        </script>

                                <header class="row">
                                
                                
                                
                                </header>

                                <br><br><br><br><br>

                                <!--The Main GUI components -->

                                <div class="row">
                                <div class="main_content_container cwidth_container">
                                <div
                                class="main_content_wrapper
cwidth_wrapper">
                                <div class="main_content cwidth">
                                <div class="col-1-1">
                                <div class="col">
                                <div
                                class="grid">
                                <div class="col-content">
                                <div class="col">
                                <div class="page-1_container main_column">
                                <div class="page-1_wrapper">
                                <div
                                class="page-1
content_cols_eq">
                                <div
                                class="post_content">
                                <div
                                class="grid">

```

```

class="col-md-3 col-sm-3 col-xs-6 ">
    <div class="col">
        <div class="text_icon_expand_item_wrapper">
            <a class="text_icon_expand_item" href="#">
                <span class="text_icon_expand_item_inner">
                    <span class="text_icon_expand_image_wrapper">
                        
                        class="text_icon_expand_image"
                    </span>
                    <span class="tie_icon_wrapper">
                        <span class="tie_icon glyphicon glyphicon-
home"></span>
                    </span>
                </a>
                <span class="tie_title" onclick="SetPage('ind.html')"
>Home</span>
            </span>
        </div>
    </div>
</div>
</div>
</div>
class="col-md-3 col-sm-3 col-xs-6 ">
    <div class="col">
        <div class="text_icon_expand_item_wrapper">
            <a class="text_icon_expand_item" href="#">
                <span class="text_icon_expand_item_inner">
                    <span class="text_icon_expand_image_wrapper">
                        
                        class="text_icon_expand_image"
                    </span>
                    <span class="tie_icon_wrapper">

```

```
pushpin "></span>
<span class="tie_icon glyphicon glyphicon-

</span>

<span class="tie_title"
onclick="SetPage('RulesOfExam.html')">Rules Of Exam</span>

</span>

</a>

</div>

</div>

</div>

<div class="col-md-3 col-sm-3 col-xs-6 ">

<div class="col">

<div class="text_icon_expand_item_wrapper">

<a class="text_icon_expand_item" href="#">

<span class="text_icon_expand_item_inner">

<span class="text_icon_expand_image_wrapper">



</span>

<span class="tie_icon_wrapper">

<span class="tie_icon glyphicon glyphicon-
bookmark"></span>

</span>

<span class="tie_title"
onclick="SetPage('RulesOfExam.html')">Marking Scheme</span>

</span>

</a>

</div>

</div>
```

```
</div>
<div class="col-md-3 col-sm-3 col-xs-6 ">
    <div class="col">
        <div class="text_icon_expand_item_wrapper">
            <a class="text_icon_expand_item" href="#">
                <span class="text_icon_expand_item_inner">
                    <span class="text_icon_expand_image_wrapper">
                        
                    </span>
                    <span class="tie_icon_wrapper">
                        <span      class="tie_icon   glyphicon glyphicon-
user"></span>
                        </span>
                                <span      class="tie_title"         onclick="'location='About
us.php'">About Us</span>
                            </span>
                        </a>
                    </div>
                </div>
            </div>
        </div>
    </div>
    </div>
```

```
<center>
  <iframe id="myframe" height="45%" width="65%">

    </iframe>
</center>

  <!--javascript-->

  <script src="http://code.jquery.com/jquery-latest.min.js"></script>
  <script src="js/bootstrap.min.js"></script>

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

</body>
</html>
```

- **Database.php** (THIS IS THE CONNECTION STRING OF PHP WITH MYSQL FOR ALL THE DATABASES ALONG WITH NEWLY CREATED USERS, THEIR PASSWORDS WITH ALL THE REQUIRED PERMISSIONS)

<!--THIS IS THE CONNECTION STRING OF PHP WITH MYSQL FOR ALL THE DATABASES ALONG WITH NEWLY CREATED USERS, THEIR PASSWORDS WITH ALL THE REQUIRED PERMISSIONS-->

```
<?php
$cn=mysql_connect("localhost","exam_user","examuser");
if($cn)
{
    //echo "<br>exam db connected<br>";
}
else
{
    echo "cant connect".mysql_errno();
}
mysql_select_db("exam",$cn) or die("<br>Could not connect to exam Database");

$cn11=mysql_connect("localhost","chemistry_user","chemistryuser");
if($cn11)
{
    //echo "<br>chemistry db connected";
}
else
{
    echo "<br>Could not connect to chemistry Database";
}

mysql_select_db("chemistry",$cn11) or die("<br>Could connect to chemistry Database");

$cn22=mysql_connect("localhost","physics_user","physicsuser");
if($cn22)
{
    //echo "<br>Physics db connected";
}

else
{
    echo "<br>Could not connect to Physics Database";
}
mysql_select_db("physics",$cn22) or die("<br>Could connect to physics Database");

$cn33=mysql_connect("localhost","results_user","resultsuser");
```

```

if($cn33)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to Results Database";
}
mysql_select_db("results",$cn33) or die("<br>Could connect to Results Database");

$cn44=mysql_connect("localhost","root2","");
if($cn44)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to status Database";
}
mysql_select_db("status",$cn44) or die("<br>Could connect to status Database");

$cn55=mysql_connect("localhost","automobile_user","automobileuser");
if($cn55)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to automobile Database";
}
mysql_select_db("automobile",$cn55) or die("<br>Could connect to status Database");

$cn66=mysql_connect("localhost","civil1_user","civil1user");
if($cn66)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to civil1 Database";
}
mysql_select_db("civil_1",$cn66) or die("<br>Could connect to civil1 Database");

$cn77=mysql_connect("localhost","civil2_user","civil2user");
if($cn77)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to civil2 Database";
}
mysql_select_db("civil_2",$cn77) or die("<br>Could connect to civil2 Database");

$cn88=mysql_connect("localhost","mechanical1_user","mechanical1user");
if($cn88)
{
    //echo "<br>Results db connected";
}

```

```

}
else
{
    echo "<br>Could not connect to mechanical1 Database";
}
mysql_select_db("mechanical_1",$cn88) or die("<br>Could connect to mechanical1 Database");

$cn99=mysql_connect("localhost","mechanical2_user","mechanical2user");
if($cn99)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to mechanical2 Database";
}
mysql_select_db("mechanical_2",$cn99) or die("<br>Could connect to mech2 Database");

$cn101=mysql_connect("localhost","plastic_user","plasticuser");
if($cn101)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to ps Database";
}
mysql_select_db("plastic",$cn101) or die("<br>Could connect to ps Database");

$cn111=mysql_connect("localhost","etc1_user","etc1user");
if($cn111)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to etc1 Database";
}
mysql_select_db("etc_1",$cn111) or die("<br>Could connect to etc1 Database");

$cn121=mysql_connect("localhost","etc2_user","etc2user");
if($cn121)
{
    //echo "<br>Results db connected";
}
else
{
    echo "<br>Could not connect to etc2 Database";
}
mysql_select_db("etc_2",$cn121) or die("<br>Could connect to etc2 Database");

?>

```


- **Quiz.php (Main Examination Page)**

```

<?php
    session_start();

    include("database.php");
    extract($_POST);
    extract($_GET);
    extract($_SESSION);

    $logg=fopen("status/$Reg_No Status.xml", "r");
    $st=fread($logg, filesize("status/$Reg_No Status.xml"));
    $_SESSION['status']=$st;
    if($_SESSION['status']=="false")
    {
        header("location:fhp4.php");
    }

?>

<!--HTML TAG BEGINS -->
<!DOCTYPE    HTML    PUBLIC    "-//W3C//DTD    HTML    4.01    Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
    <head>
        <meta charset='utf-8'>
        <meta http-equiv="Content-type" content="text/html; charset=UTF-8">
        <link rel="stylesheet" href="css/bootstrap.min.css">
        <link rel="stylesheet" href="css/style.css" media="screen" type="text/css" />
        <script src="js/respond.js"></script>
        <script src="js/jquery-2.1.3.min.js"></script>

        <style type="text/css">

            #xyz{border-radius: 25px;border: 2px solid #8AC007;}

            /*css for the text size zoom controls */
            #wrapper{background: #fff;}

            #controls {
                padding:2px;
                background:#333;
                text-align:center;
                transition:.25s ease-out;}

                #controls a {
                    font-size:24px;
                    color:#aaa;
                    font-weight:bold;
                    padding: 5px;}

            #controls a:hover {
                color:#fff;
                background:#000;
                transition:.25s ease-out;}

```

```

        #controls a:focus {
            background:#000;
color:#fff ;}

        #small { font-size:10px !important;}
        #medium { font-size:14px !important;}
        #large { font-size:18px !important;}

</style>

<script type="text/javascript" src="jquery-2.1.3.min.js"></script>
<script type="text/javascript">

    /*JAVASCRIPT TO INCREASE THE TEXT SIZE OF QUESTIONS */
    $(document).ready(function(){

        $("#small").click(function(event){
            event.preventDefault();
            $("h4").animate({"font-size":"24px"});
            $("h5").animate({"font-size":"16px"});
            $("h5").animate({"font-size":"16px"});
            $("h5").animate({"font-size":"16px"});
            $("h5").animate({"font-size":"16px"});
            $("h5").animate({"font-size":"16px"});

        });

        $("#medium").click(function(event){
            event.preventDefault();
            $("h4").animate({"font-size":"32px"});
            $("h5").animate({"font-size":"20px"});
            $("h5").animate({"font-size":"20px"});
            $("h5").animate({"font-size":"20px"});
            $("h5").animate({"font-size":"20px"});
            $("h5").animate({"font-size":"20px"});

        });

        $("#large").click(function(event){
            event.preventDefault();
            $("h4").animate({"font-size":"40px"});
            $("h5").animate({"font-size":"24px"});
            $("h5").animate({"font-size":"24px"});
            $("h5").animate({"font-size":"24px"});

        });

        $("a").click(function() {
            $("a").removeClass("selected");
            $(this).addClass("selected");

        });

    });

</script>

<title>Quiz</title><!-- TITLE OF OUR WEBPAGE -->

<!--HEADER ROW IE ROW NO.1-->
<header class="row">
    
    

```

```

</header>
```

```
<!--ROW NO 2 CONSISTING OF STUDENT DETAILS AND TIMER-->
<div class="row">
```

```
<div class="col-md-9">
```

```
<?php
```

```
include("database.php");
```

```
//reading PROG txt
```

```
$fd=fopen("prog.txt","r");
```

```
$pg=fread($fd,filesize("prog.txt"));
```

```
strtolower($pg);
```

```
//reading COURSE NAME txt
```

```
$fd1=fopen("cn.txt","r");
```

```
$con=fread($fd1,filesize("cn.txt"));
```

```
//reading COURSE CODE txt
```

```
$fd2=fopen("cc.txt","r");
```

```
$cc=fread($fd2,filesize("cc.txt"));
```

```
//reading YEAR txt
```

```
$fd3=fopen("year.txt","r");
```

```
$yr=fread($fd3,filesize("year.txt"));
```

```
//reading TERM txt
```

```
$fd4=fopen("term.txt","r");
```

```
$tr=fread($fd4,filesize("term.txt"));
```

```
//reading QSETS txt
```

```
$fd5=fopen("qsets.txt","r");
```

```
$qsets=fread($fd5,filesize("qsets.txt"));
```

PROGRAMME

```
//SELECTING THE MYSQL CONNECTION STRING AS OER THE
```

```
if($pg=="automobile")
```

```
{
```

```
    $conn=$cn55;
```

```
}
```

```
else if($pg=="civil_1")
```

```
{
```

```
    $conn=$cn66;
```

```
}
```

```
else if($pg=="civil_2")
```

```
{
```

```
    $conn=$cn77;
```

```
}
```

```
else if($pg=="mechanical_1")
```

```
{
```

```
    $conn=$cn88;
```

```
}
```

```
else if($pg=="mechanical_2")
```

```
{
```

```

$conn=$cn99;

}
else if($pg=="plastic")
{
    $conn=$cn101;

}
else if($pg=="e&tc_1")
{
    $conn=$cn111;

}
else if($pg=="e&tc_2")
{
    $conn=$cn121;

}
else if($pg=="electrical")
{
    $conn=$cn131;

}

```

```

/* CODE TO SET THE NAVIGATION BUTTONS GREEN WHEN A STUDENT
HAS ATTEMPTED THE QUESTIONS
THIS HELPS THE STUDENTS UNDERSTAND WHICH QUESTION HE/SHE
HAS ATTEMPTED
*/

```

```

$sql="select * from `". $Reg_No . "` where que_id=1";
$rm=mysql_query($sql,$conn);

$row=mysql_fetch_row($rm);

if(!empty($row[3]))
{

    $s1="green";

}

$sql="select * from `". $Reg_No . "` where que_id=2";
$rm=mysql_query($sql,$conn);

$row=mysql_fetch_row($rm);

if(!empty($row[3]))
{

    $s2="green";

}

$sql="select * from `". $Reg_No . "` where que_id=3";
$rm=mysql_query($sql,$conn);

$row=mysql_fetch_row($rm);

if(!empty($row[3]))
{

    $s3="green";

}

```

```

/*
...
...
...
...upto 38th
*/

$sql="select * from `". $Reg_No . "` where que_id=38";
$rm=mysql_query($sql,$conn);

$row=mysql_fetch_row($rm);
if(!empty($row[3]))
{

    $s38="green";
}
$sql="select * from `". $Reg_No . "` where que_id=39";
$rm=mysql_query($sql,$conn);

$row=mysql_fetch_row($rm);

if(!empty($row[3]))
{

    $s39="green";
}

                                $sql="select * from `". $Reg_No . "`
where que_id=40";
$rm=mysql_query($sql,$conn);

$row=mysql_fetch_row($rm);
if(!empty($row[3]))
{

    $s40="green";
}

/* THE CODE OF TURNING BUTTONS GREEN WHEN USER
ATTEMPTS THEM IS OVER HERE */

```

```

?>
</head>    <!--HEAD TAG ENDS HERE-->

                                <!--THE BODY TAG BEGINS NOW-->
<body>

                                <?php
                                    include("database.php");

                                    //reading PROG txt
                                    $fd=fopen("prog.txt","r");
                                    $pg=fread($fd,filesize("prog.txt"));
                                    strtolower($pg);

                                    //reading COURSE NAME txt
                                    $fd1=fopen("cn.txt","r");
                                    $con=fread($fd1,filesize("cn.txt"));
                                    $odd=$con."_b";

```

[illegible]

[illegible]

```

$query="select * from $qsets";

$rs=mysql_query("select * from $qsets where que_id",$cn) or
die(mysql_error());

if(!isset($_SESSION[qn]))
{
    $_SESSION[qn]=0;
    mysql_query("delete from answer_sheet where sess_id='".$_
session_id() . "'", $cn) or die(mysql_error());
    $_SESSION[trueans]=0;
}
else
{
    if($submit=='Next Question' /*&& isset($ans)*/)
    {

        if($pg=="automobile")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans)", $cn55);
        }
        else if($pg=="civil_1")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans)", $cn66);
        }
        else if($pg=="civil_2")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans)", $cn77);
        }
        else if($pg=="mechanical_1")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans)", $cn88);
        }
        else if($pg=="mechanical_2")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans)", $cn99);
        }
        else if($pg=="plastic")
    }
}

```



```

        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            values
            ('$q','$_SESSION[que_desc]','$_SESSION[right_ans]','$ans')",$cn101);

        }
        else if($pg=="e&tc_1")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            values
            ('$q','$_SESSION[que_desc]','$_SESSION[right_ans]','$ans')",$cn111);

        }
        else if($pg=="e&tc_2")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            values
            ('$q','$_SESSION[que_desc]','$_SESSION[right_ans]','$ans')",$cn121);

        }
        else if($pg=="electrical")
        {
            $q=$_SESSION[qn]+1;
            mysql_query("insert into `". $Reg_No .
            "`(que_id,que_desc,true_ans,stud_ans)
            values
            ('$q','$_SESSION[que_desc]','$_SESSION[right_ans]','$ans')",$cn131);

        }

        mysql_data_seek($rs,$_SESSION[qn]);
        $row= mysql_fetch_row($rs);

        //mysql_query("insert into
        $pg(Reg_No,S_Name,Course_Name,Attempt_Que,Right_Ans,Wrong_Ans,Obt_Marks) values
        ('$Reg_No','$row2[2]','$con','$_SESSION[qn]','$_SESSION[trueans]', '$_SESSION[w]','$marks')",$cn33)
        or die(mysql_error());

        $fid1=fopen("$Reg_No Paper.xml", "a+");

        if($ans==$row[6])
        {
            $_SESSION[trueans]=$_SESSION[trueans]+1;
        }
        $_SESSION[qn]=$_SESSION[qn]+1;

        //,$row[2],$row[3],$row[4],$row[5],$row[6],$row[7]
        fputs($fid1,"Que No : ".$q);
        fputs($fid1,"".$_SESSION[que_desc]);
        fputs($fid1,"\t \n Your Ans:".$ans);

    }

    //ASSIGN THE QUESTION ID ACCORDING TO THE
    NAVIGATION BUTTON SELECTED

```

Online Examination System

```

isset($ans)*/)

$_SESSION[qn]=$_SESSION[qn]-1;

else if($submit=='Prev Question' /*&&

{

}

else if($submit=='01')
{
    $_SESSION[qn]=0;
}

else if($submit=='02')
{
    $_SESSION[qn]=1;
}
else if($submit=='03')
{
    $_SESSION[qn]=2;
}

/*
...
...
...
...upto 37th
*/

else if($submit=='37')
{
    $_SESSION[qn]=36;
}
else if($submit=='38')
{
    $_SESSION[qn]=37;
}
else if($submit=='39')
{
    $_SESSION[qn]=38;
}
else if($submit=='40')
{
    $_SESSION[qn]=39;
}

else if($submit=='End Exam' /*&& isset($ans)*/)
{

//INSERT RESULTS INTO

RESULTS TABLE ACCORDING THE BRANCH

if($pg=="automobile")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` ` . $Reg_No .
" `(que_id,que_desc,true_ans,stud_ans)
('$q',$_SESSION[que_desc],$_SESSION[right_ans],'$ans')",$cn55);
    }

```

```

else if($pg=="civil_1")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn66);
}

else if($pg=="civil_2")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn77);
}

else if($pg=="mechanical_1")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn88);
}

else if($pg=="mechanical_2")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn99);
}

else if($pg=="plastic")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn101);
}

else if($pg=="e&tc_1")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn111);
}

else if($pg=="e&tc_2")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn121);
}

else if($pg=="electrical")
{
    $q=$_SESSION[qn]+1;
    mysql_query("insert into ` " . $Reg_No .
    "`(que_id,que_desc,true_ans,stud_ans)
    ('$q',$_SESSION[que_desc],$_SESSION[right_ans],$ans')",$cn131);
}

```

```

        if($ans==$row[6])
        {

            $_SESSION[trueans]=$_SESSION[trueans]+1;
        }

        $_SESSION[qn]=$_SESSION[qn]+1;

        $marks=$_SESSION[trueans]/2;

        = "result2.php">Click here for result</a></h3></center><?php

        ?><center><h3><a      href

        $row=    mysql_fetch_row($rs);

        echo "</table>";
        mysql_query("Select * from `

. $Reg_No . "`",$conn);

        $a=mysql_affected_rows($conn);

        $_SESSION['Attempt_Que']=$a;

        E_PARSE);

        "a+");

        IN AN XML FILE WHICH CAN'T BE OPENED DIRECTLY

        $.con);

        Questions: ".$a );

        ".$_SESSION[trueans]);

        ".$marks );

        header("Location:result2.php");
        unset($_SESSION[qn]);
        unset($_SESSION[sid]);
        unset($_SESSION[tid]);
        unset($_SESSION[trueans]);
        exit;

    }

    $marks=$_SESSION[trueans]/2;

    $_SESSION['Reg_No']=$Reg_No;

    $_SESSION['Nm']=$row2[2];

    $_SESSION['Prg']=$pg;

```

```

$_SESSION['Course_Code']=$cc;

$_SESSION['Course_Name']=$con;

$_SESSION['Year']=$yr;
$_SESSION['Term']=$tr;

$_SESSION['Attempt_Queue']=$a;

$_SESSION['Right_Ans']=$_SESSION[trueans];

//$_SESSION['Wrong_Ans']=$_SESSION[w];

$_SESSION['markss']=$marks;

}

if($_SESSION[qn]>mysql_num_rows($rs)-1)
{
unset($_SESSION[qn]);
echo "<h1 class=head1>Some Error Occured</h1>";
session_destroy();
echo "Please <a href=FHP4.php> Start Again</a>";

exit;
}
echo "<center>";
mysql_data_seek($rs,$_SESSION[qn]);

$row=mysql_fetch_row($rs);

//if(startTimer())

echo"<div id=m style=font-size:0px>";
echo "<center>";

echo "    <form      id=myfm      method=get

action=quiz.php>";

/*echo"<div id=$counter_id>";*/

echo "    <table      width=100%>    <tr>    <td

width=30>&nbsp;  <td> <table border=0>";

$n=$_SESSION[qn]+1;

//DISPLAY THE QUESTIONS AND ITS OPTIONS
echo "    <tr><td><span      class=style2    p

id=1><h4>Que ".$n .": $row[1]</h4></span>";

echo "    <tr><td      class=style8><h5><input

type=radio name=ans value=1>$row[2]</h5>";

echo "    <tr><td      class=style8><h5><input

type=radio name=ans value=2>$row[3]</h5>";

echo "    <tr><td      class=style8><h5><input

type=radio name=ans value=3>$row[4]</h5>";

echo "    <tr><td      class=style8><h5><input

type=radio name=ans value=4>$row[5]</h5>";

echo "<tr>";
$_SESSION['que_desc']=$row[1];
$_SESSION['right_ans']=$row[6];
echo "</table></table>";

```

```

        echo "</blockquote>";
        echo "</center>";
        if($_SESSION[qn]>0)
        {
            ?>&nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp;

&nbsp;

            <div class="row"><div class="col-md-1

                <button class="btn btn-primary btn-lg"
                value="Prev
                Question"
                type="submit" name="submit"
                onclick="myFunction()">Previous</button></div><?php

                }

                if($_SESSION[qn]<mysql_num_rows($rs)-1)
                {
                    ?><div class="col-md-1 col-md-offset-

                        <button class="btn btn-primary btn-lg"
                        value="Next
                        Question"
                        type="submit" name="submit"
                        onclick="myFunction()">Next</button></div><?php echo "</tr>";

                        }
                        //else
                        echo "<br><br><br><br>";
                        ?><div class="col-md-1 col-md-offset-6">
                        <button class="btn btn-danger btn-lg"
                        Exam"
                        onclick="myFunction()">End
                        type="submit" name="submit"
                        value="End
                        Exam</button></div></div><?php

                        echo "</center>";

                        ?>

                    </div>

                    <!--THE NAVIGATION BUTTONS -->
                    <div class="col-md-4 "><br><br><div id="xyzs">
                        <div class="row">
                            <div class="col-md-1 col-md-offset-3">
                                <button class="btn btn-default" type="submit"
                                name="submit" id="s1" style="background-color:<?php echo $s1; ?>" value="01">01</button>
                                </div>
                                <div class="col-md-1">
                                    <button class="btn btn-default" type="submit"
                                    name="submit" id="s2" style="background-color:<?php echo $s2; ?>" value="02">02</button>
                                    </div>
                                    <div class="col-md-1">
                                        <button class="btn btn-default" type="submit"
                                        name="submit" id="s3" style="background-color:<?php echo $s3; ?>" value="03">03</button>
                                        </div>
                                        <div class="col-md-1">
                                            <button class="btn btn-default" type="submit"
                                            name="submit" id="s4" style="background-color:<?php echo $s4; ?>" value="04">04</button>
                                            </div>
                                            <div class="col-md-1">
                                                <button class="btn btn-default" type="submit"
                                                name="submit" id="s5" style="background-color:<?php echo $s5; ?>" value="05">05</button>
                                                </div>
                                            </div>

                                            <!--

```

```

...
...
...upto 35th button
-->

<div class="row">
    <div class="col-md-1 col-md-offset-3">
        <button class="btn btn-default" type="submit"
name="submit" id="s36" style="background-color:<?php echo $s36; ?>" value="36">36</button>
    </div>
    <div class="col-md-1">
        <button class="btn btn-default" type="submit"
name="submit" id="s37" style="background-color:<?php echo $s37; ?>" value="37">37</button>
    </div>
    <div class="col-md-1">
        <button class="btn btn-default" type="submit"
name="submit" id="s38" style="background-color:<?php echo $s38; ?>" value="38">38</button>
    </div>
    <div class="col-md-1">
        <button class="btn btn-default" type="submit"
name="submit" id="s39" style="background-color:<?php echo $s39; ?>" value="39">39</button>
    </div>
    <div class="col-md-1">
        <button class="btn btn-default" type="submit"
name="submit" id="s40" style="background-color:<?php echo $s40; ?>" value="40">40</button>
    </div>

</div>

<div class="row"><br>
    <div class="col-md-5 col-md-offset-3">
        <button class="btn btn-success btn-
lg"></button>Attempted
    </div>
</div>

<div class="row">
    <div class="col-md-9 col-md-offset-3">
        <button class="btn btn-default btn-
lg"></button>Non attempted
    </div>
</div>
</div><!-- DIV TAG OF BORDER CONTAINER ENDS HERE-->

<div class="row">
    <div class="col-md-5 col-md-offset-3">
        <br><a
href="allquestions.php" target="_blank"><h3>Click here to view<br> all the questions</h3></a>
    </div>
</form>

<br><br><br><br><br><br>
</div> <!--DIV TAG OF NAVIGATION BUTTON CHANGS-->
</div><!--DIV TAG OF THE ROW OF QUESTIONS AND NAVIGATION BUTTON ENDS -->

<!--BOOTSTRAP FILES IMPORTED-->
<script src="http://code.jquery.com/jquery-latest.min.js"></script>
<script src="js/bootstrap.min.js"></script>

<!--FOOTER HERE----->

```

```

        <footer class="row">
            <?php
                include("footer.php");
            ?>
        </footer>
    </body>
</html>

```

- **allQuestions.php**

```

<?php

//include dataabse.php for connecting to database
include("database.php");

//Opening & reading Prog.txt
$fd=fopen("prog.txt","r");
$pg=fread($fd,filesize("prog.txt"));
strtolower($pg);

//Opening & reading cn.txt
$fd1=fopen("cn.txt","r");
$con=fread($fd1,filesize("cn.txt"));

//Opening & reading cc.txt
$fd2=fopen("cc.txt","r");
$cc=fread($fd2,filesize("cc.txt"));

//Opening & reading yr.txt
$fd3=fopen("year.txt","r");
$yr=fread($fd3,filesize("year.txt"));

//Opening & reading term.txt
$fd4=fopen("term.txt","r");
$tr=fread($fd4,filesize("term.txt"));

//Opening & reading qsets.txt
$fd5=fopen("qsets.txt","r");
$qsets=fread($fd5,filesize("qsets.txt"));

```


[illegible]

- **Exam.php** (Module for Faculty & Exam control board to view Ongoing examination details)

```
<link rel="stylesheet" href="css/style.css" media="screen" type="text/css" />

<?php
session_start();
?>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
    <head>
    </head>
    <body>
    <?php

        extract($_POST);
        if(isset($submit))
        {
            include("database.php");
            $rs=mysql_query("select * from admin_login where Username='$Username' and
Password='$Password'", $cn) or die(mysql_error());
            if(mysql_num_rows($rs)<1)
            {
                ?>
                <br><div class="alert alert-danger" role="alert">Please enter a valid name
and password.</div>

                <?php
                exit;
            }
            $_SESSION[login]="true";
        }
    }
}
```

```

else if(!isset($_SESSION[login]))
{
    ?>
    <br><div class="alert alert-danger"role="alert"><h4> Your are not logged in<br>
Please <a href=adminlog.php>Login</a></h4><div>";
    <?php
    exit;
}
?>

<!--COLLEGE LOGO IMAGES-->
<header class="row">
    
    
    
</header>

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

<br><br>
<div class="container">
    <div class="row">
        <div class="col-md-2 col-md-offset-1">
            <button class="btn btn-primary btn-lg"
onclick="SetPage('startexam.php')">Start Exam</button>
        </div>
        <div class="col-md-2 col-md-offset-1">
            <button class="btn btn-danger btn-lg"
onclick="SetPage('endexam.php')">End Exam</button>
        </div>
        <div class="col-md-2 col-md-offset-1">
            <button class="btn btn-warning btn-lg"
onclick="SetPage('showdetails.php')">Show details</button>
        </div>
        <div class="col-md-2 col-md-offset-1">
            <button class="btn btn-info btn-lg"
onclick="SetPage('results.php')">Results</button>
        </div>
    </div>
</div>

<script>
    function SetPage(url)
    {
        document.getElementById("myframe").setAttribute("src", url);
    }
</script>

<br><br><br><br><br><br>
<center>
    <iframe id="myframe" height="45%" width="60%">

    </iframe>

</center>

<!--javascript-->

```

```
<script src="http://code.jquery.com/jquery-latest.min.js"></script>
<script src="js/bootstrap.min.js"></script>

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

</body>
</html>
```

- **Result2.php** (Result generation page after clicking on "END EXAM")

```
<link rel="stylesheet" href="css/style.css" media="screen" type="text/css" />
<?php
session_start();
?>
<html>
    <head>
        <title>Result</title>
    </head>

    <body>
        <header class="row">
            
            
            
        </header>

        <div class="row">
```

```

<div class="col-md-1 col-md-offset-11">
    <button class="btn btn-primary " type="submit"
name="submit" onclick="location='logout.php'">
    <span class="glyphicon glyphicon-off" aria-
hidden="true"></span>
    &nbsp; Log Out</button>

```

```
</div>
```

```
</div>
```

```
<u><center><h2>Result</h2></center></u>
```

```
<?php
```

```

session_start();
include("database.php");
extract($_POST);
extract($_GET);
extract($_SESSION);

```

```

//THSI HIDES THE ERROR AND WARNINGS
error_reporting(E_ERROR | E_PARSE);

```

```

//reading PROG txt
$fd=fopen("prog.txt","r");
$pg=fread($fd,filesize("prog.txt"));
strtolower($pg);

```

```

//reading COURSE NAME txt
$fd1=fopen("cn.txt","r");
$con=fread($fd1,filesize("cn.txt"));

```

```

//reading COURSE CODE txt
$fd2=fopen("cc.txt","r");
$cc=fread($fd2,filesize("cc.txt"));

```

```

//reading YEAR txt
$f3=fopen("year.txt","r");
$yr=fread($f3,filesize("year.txt"));

```

```

//reading TERMtxt
$fd4=fopen("term.txt","r");
$tr=fread($fd4,filesize("term.txt"));

```

```

//reading Prog txt
$fd5=fopen("qsets.txt","r");
$qsets=fread($fd5,filesize("qsets.txt"));

```

```

if($con=="Chemistry")
{
    $rs3=mysql_query("select * FROM $pg where
Reg_No=$Reg_No",$cn11) or die(mysql_error());
    mysql_data_seek($rs3,$_SESSION[q]);
    $row2=mysql_fetch_row($rs3,$_SESSION[q]);
}

```

```

else if($con=="Physics")
{
    $rs3=mysql_query("select * FROM $pg where
Reg_No=$Reg_No",$cn22) or die(mysql_error());
    mysql_data_seek($rs3,$_SESSION[q]);
    $row2=mysql_fetch_row($rs3,$_SESSION[q]);
}

?>

<!--THIS DISPLAYS THE RESULT -->
<table class="table table-condensed">
<?php
    echo"<tr><th>Name
: </th><td>$_SESSION[Nm]</td></tr>";
    echo"<tr><th>Roll
: </th><td>$_SESSION[Reg_No]</td></tr>";
    echo"<tr><th>Programme
: </th><td>$_SESSION[Prg]</td></tr>";
    echo"<tr><th>Course
: </th><td>$_SESSION[Course_Code]</td></tr>";
    echo"<tr><th>Course
: </th><td>$_SESSION[Course_Name]</td></tr>";

    echo"<tr><th>Year:</th><td>$_SESSION[Year]</td></tr>";

    echo"<tr><th>Term:</th><td>$_SESSION[Term]</td></tr>";
    //echo"<tr><th>Attempted
Questions:</th><td>$_SESSION[counter]</td></tr>";
    echo"<tr><th>Correct
Answers:</th><td>$_SESSION[Right_Ans]</td></tr>";
    //echo"<tr><th>Wrong
Answers:</th><td>$_SESSION[Wrong_Ans]</td></tr>";
    echo"<tr><th>Marks
Obtained:</th><td>$_SESSION[markss]</td></tr>";
    error_reporting(E_ERROR | E_PARSE);

    $fid=fopen("$Reg_No(2).xml", "a+");

    fputs($fid,"Name: ".$_SESSION['Nm']);
    fputs($fid,"Roll No: ".$_SESSION['Reg_No']);
    fputs($fid,"Programme: ".$_SESSION['Prg']);
    fputs($fid,"Course Code: ".$_SESSION['Course_Code']);
    fputs($fid,"Course Name: ".$_SESSION['Course_Name']);
    fputs($fid,"Attempted Questions: ".$_SESSION['counter']);
    fputs($fid,"Correct Answers".$_SESSION['Right_Ans']);
    //fputs($fid,"Wrong Answers".$_SESSION['Wrong_Ans']);
    fputs($fid,"Obtained Marks: ".$_SESSION['markss'] );
    fclose($fid);

    mysql_query("insert into $pg values
('$_SESSION[Reg_No]','$_SESSION[Nm]','$_SESSION[Prg]',
'$_SESSION[Course_Code]','$_SESSION[Course_Name]',
'$_SESSION[Right_Ans]','$_SESSION[markss]')",$cn33)

```

```

        or die(mysql_error());

        if($pg=="automobile")
        {
            $rs21=mysql_query("select * from
$_SESSION[Reg_No] ",$cn55);
            $a=mysql_num_rows();
        }

        else if($pg=="civil_1")
        {
            mysql_query("select count(*) from
$_SESSION[Reg_No] ",$cn66);
        }

        else if($pg=="civil_2")
        {
            $rs21=mysql_query("select * from
$_SESSION[Reg_No] where que_id",$cn77);
        }

        else if($pg=="mechanical_1")
        {
            $rs21=mysql_query("select * from
$_SESSION[Reg_No] where que_id",$cn88);
        }

        else if($pg=="mechanical_2")
        {
            $rs21=mysql_query("select * from
$_SESSION[Reg_No] where que_id",$cn99);
        }

        else if($pg=="plastic")
        {
            $rs21=mysql_query("select * from
$_SESSION[Reg_No] where que_id",$cn101);
        }

        else if($pg=="e&tc_1")
        {
            $rs21=mysql_query("select * from
$_SESSION[Reg_No] where que_id",$cn111);
        }

        else if($pg=="e&tc_2")
        {

```

```

                                $rs21=mysql_query("select      *      from
$_SESSION[Reg_No] where que_id",$cn121);

                                }

                                else if($pg=="electrical")
                                {
                                $rs21=mysql_query("select      *      from
$_SESSION[Reg_No] where que_id",$cn131);

                                }

                                $log=fopen("status/$_SESSION[Reg_No] Status.xml", "w");
                                fwrite($log,"false");
                                fclose($log);
                                ?>

                                <!--javascript-->

                                <script src="http://code.jquery.com/jquery-latest.min.js"></script>
                                <script src="js/bootstrap.min.js"></script>
</body></html>
```

Chapter: 6

6. Scope for Enhancement

Present system carries certain drawbacks and limitations as listed below

1. Current system provides only multiple choices but single correct answer selection. Faculty may wish to provide multiple choices multiple selection responses.
2. In case questions and/or answers need to be in graphics, current system has no provision.
3. Unregistered users cannot answer test, they must belong to some group. This is a drawback in case the faculty wants anyone even anonymous users to answer the test.
4. Top score could be displayed on the home page; but this could be easily implemented while programming the home page.
5. Security logs though not implemented in this system would be well available through the respective database management system and web server software.

Chapter: 7

7. References

- Sedna native XML <http://modis.ispras.ru>
- MySQL <http://www.mysql.com>
- UML official website <http://www.uml.org/>
- StarUML - The Open Source UML/MDA Platform <http://staruml.sourceforge.net/>
- Apache Download - <https://www.apachefriends.org/>
- Tutorials Point (Reference) - <http://www.tutorialspoint.com/php/>
- W3School Reference(PHP) - <http://www.w3schools.com/php/>
- W3School Reference(MYSQL) - <http://www.w3schools.com/sql/>

Chapter: 8

Online Examination System Guide

USER MANUAL

Project by:-

Piyush .V. Khadse

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Mayur .S. Padma

Nitin .R. Naik

Overview of Online Examination System:

The Online Examination System is easy to use, full-featured and flexible Testing, Examination and Assessment web portal. It allows Administrators to set different examination and question banks for registered students and members. The examination System provides complete functionality of evaluating and assessing student's performance skills. The examination System comprises of Question Bank effectively blended with a whole set of Features. Using different features of the Examination System an administrator can set an exam name, select an examination, and assign questions for examination. The question bank will form the backbone of the automated process and will play an important role in random generation of unique sets of question papers. The more the number of questions the better randomization is achieved.

- Requirements for OES (Online Examination System):

Server Side Requirements:-

1. Hardware Requirements:

Hardware recommended by all the software needed.

- Communication hardware to serve client requests
- 1GB of RAM
- ROM 20GB (Minimum Recommended)

2. Server side software:

- Web server software(Apache)
- Server side scripting tools: PHP
- Database tools: MySQL, XML DBMS.
- Compatible operating system: Windows
- USBWebserver (Consist of all above components configured automatically).
- Web Browser (Mozilla Firefox-Recommended).
- Sublime Text 2 for PHP and XML coding.

- **ABOUT USBWEBSERVER:**

USBWebserver is a combination of the popular webserver software: Apache, MySQL, Php and PhpMyAdmin. With USBWebserver it is possible to develop and show your php websites, everywhere and anytime the advantage of USBWebserver is, you can use it from USB of even CD

USBWebserver is perfect for:

- Show a offline version of your website

- Anywhere develop php websites
- No need for expensive hosting
- Working at multiple locations at projects

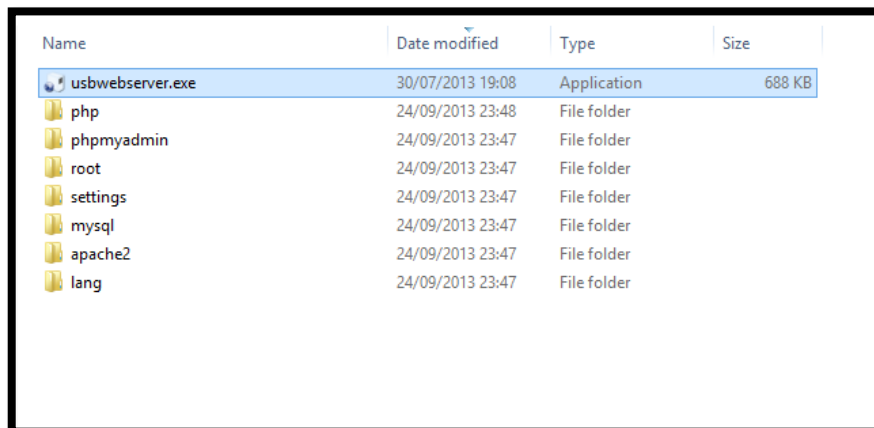
• **Configuring USBWEBSERVER:**

STEP 1: DOWNLOAD ZIP FILE for USBWEBSERVER from official site:

<http://www.usbwebserver.net/en/download.php>

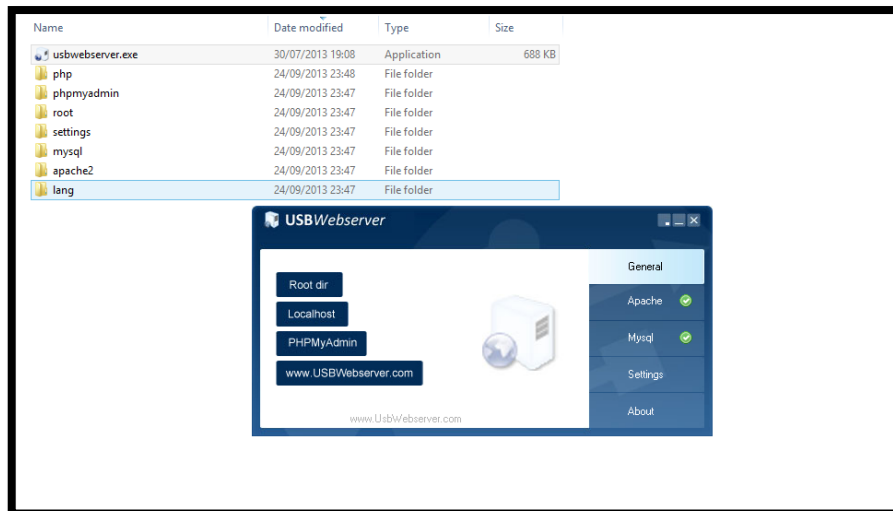
STEP 2: Extract the contents at desired location.

STEP 3: Go to extracted location and run the below HIGHLIGHTED file.

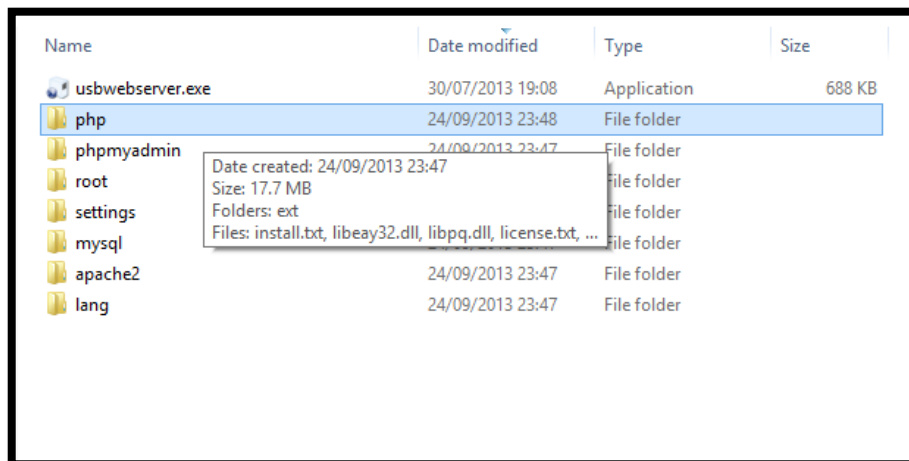


Name	Date modified	Type	Size
usbwebserver.exe	30/07/2013 19:08	Application	688 KB
php	24/09/2013 23:48	File folder	
phpmyadmin	24/09/2013 23:47	File folder	
root	24/09/2013 23:47	File folder	
settings	24/09/2013 23:47	File folder	
mysql	24/09/2013 23:47	File folder	
apache2	24/09/2013 23:47	File folder	
lang	24/09/2013 23:47	File folder	

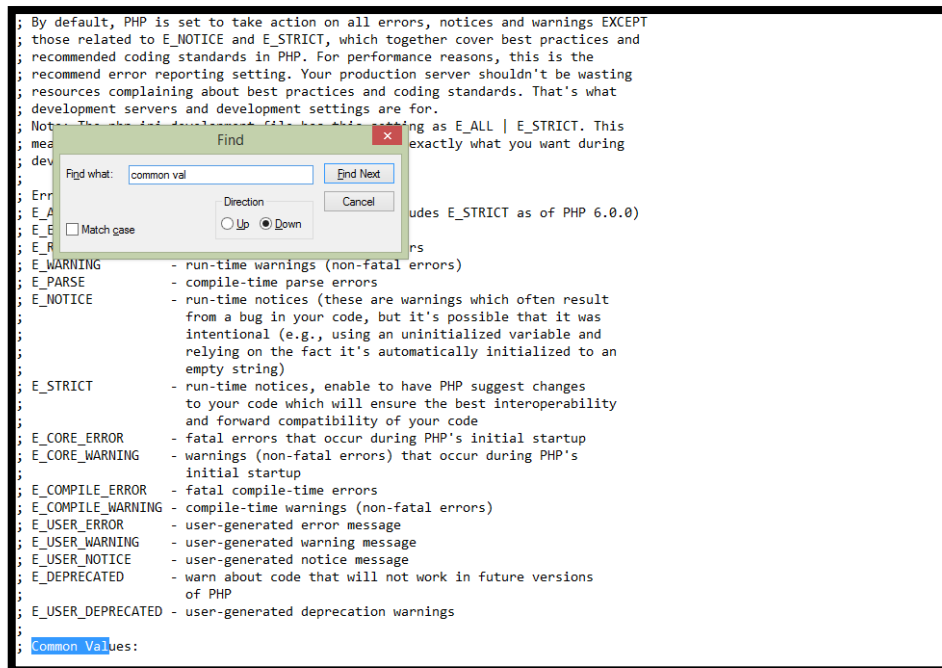
STEP 4: The following screen appears with ticks on the components.



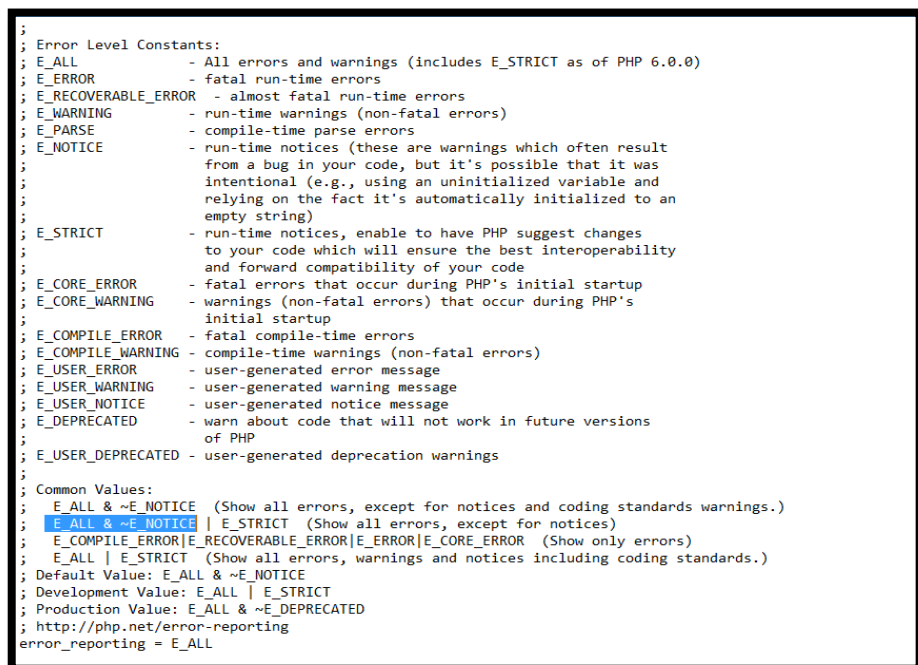
STEP 5: Click on the PHP folder and follow given snapshots.



Step 6: Find the typed value in php.ini configuration file in PHP folder (TO avoid notice indication each time you run your .exe)



Step 7: Copy the highlighted part



Step 8: Paste over the highlighted portion.

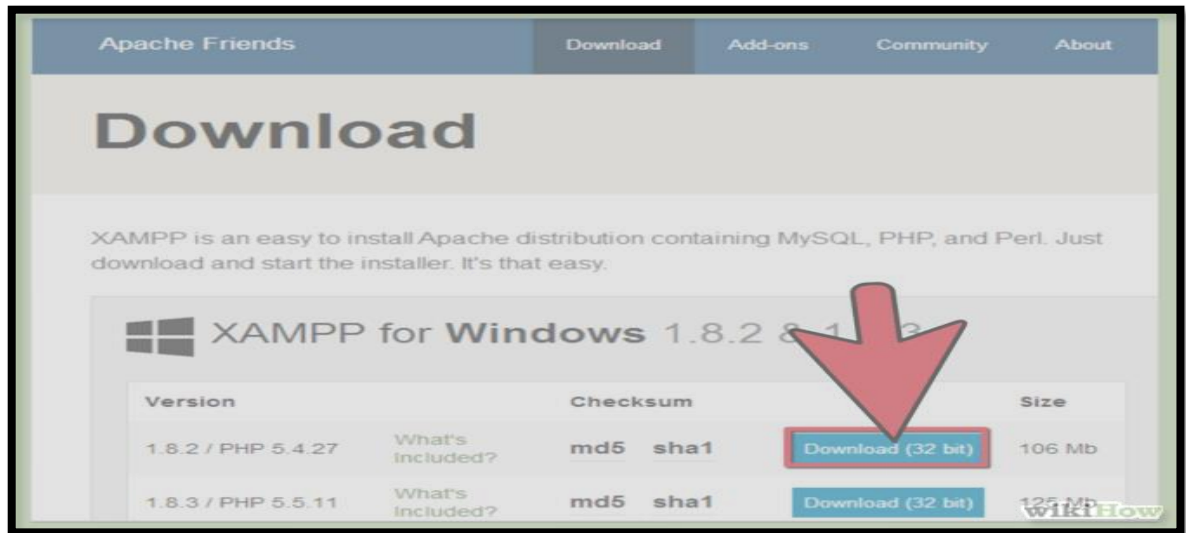
```
; Common Values:
; E_ALL & ~E_NOTICE (Show all errors, except for notices and coding standards warnings.)
; E_ALL & ~E_NOTICE | E_STRICT (Show all errors, except for notices)
; E_COMPILE_ERROR|E_RECOVERABLE_ERROR|E_ERROR|E_CORE_ERROR (Show only errors)
; E_ALL | E_STRICT (Show all errors, warnings and notices including coding standards.)
; Default Value: E_ALL & ~E_NOTICE
; Development Value: E_ALL | E_STRICT
; Production Value: E_ALL & ~E_DEPRECATED
; http://php.net/error-reporting
error_reporting = E_ALL
```

Step 10: In the APACHE/apache 2 folder edit the httpd.conf file placed in the conf folder with adding a LISTEN statement.

```
# Change this to Listen on specific IP addresses as shown below to
# prevent Apache from glomming onto all bound IP addresses.
#
#Listen 12.34.56.78:80
Listen 8080
Listen #server ip address:port num#
#
# Dynamic Shared Object (DSO) Support
```

Xampp Server Configuration:

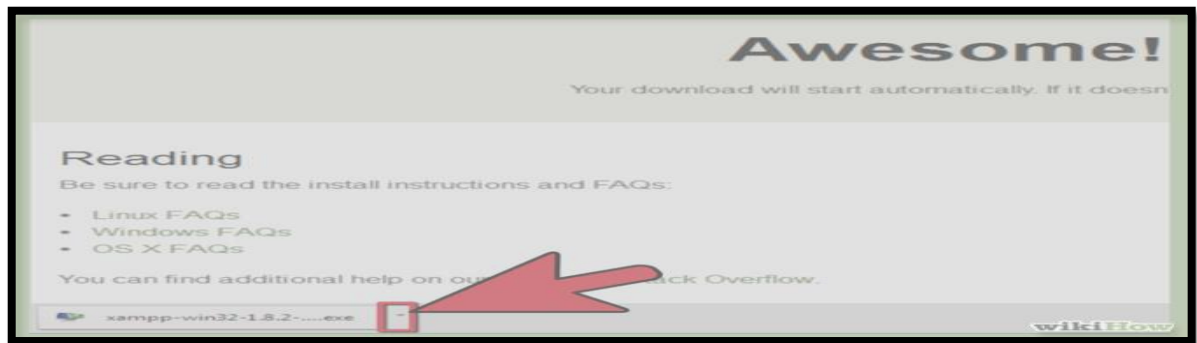
In your web browser, go to <http://www.apachefriends.org/en/xampp-windows.html>



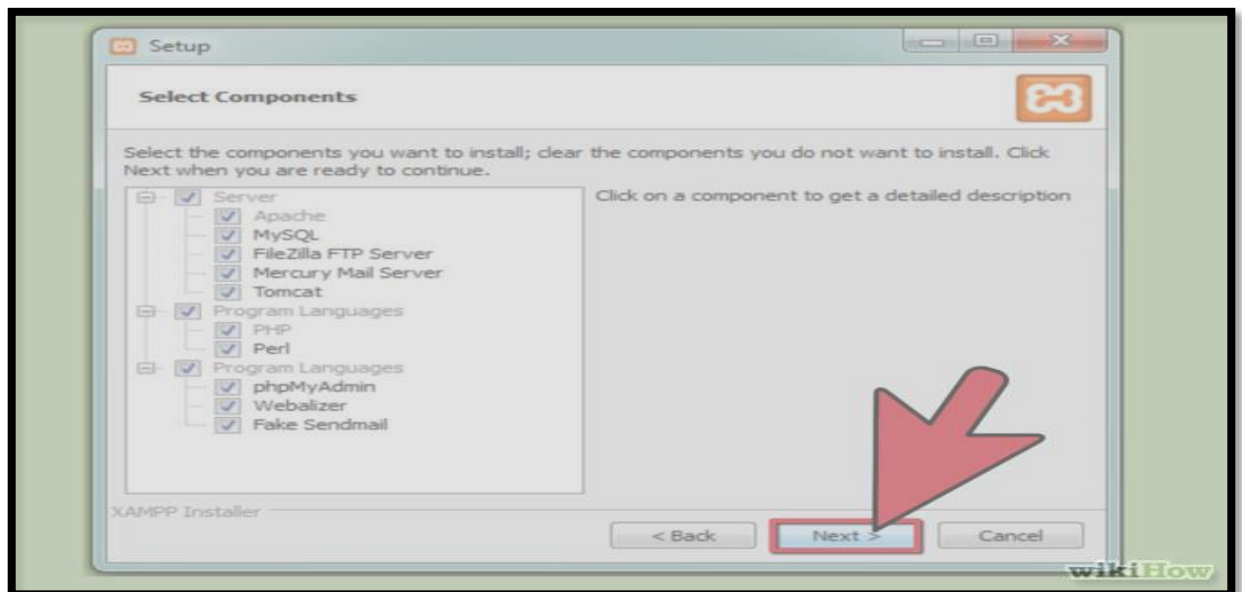
2. Click on the download link for XAMPP.



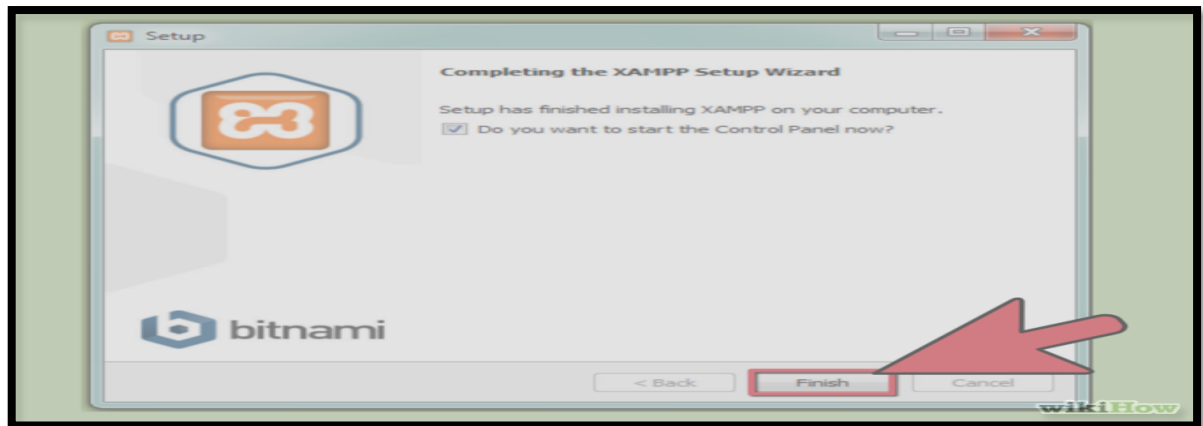
3. When prompted for the download, click "Save" and wait for your download to finish.



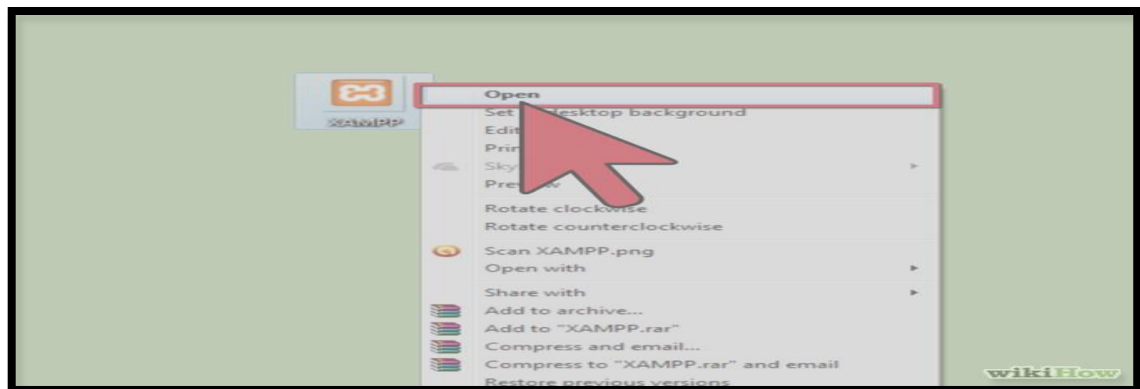
4. Once your download is complete, install the program, click on "Run"



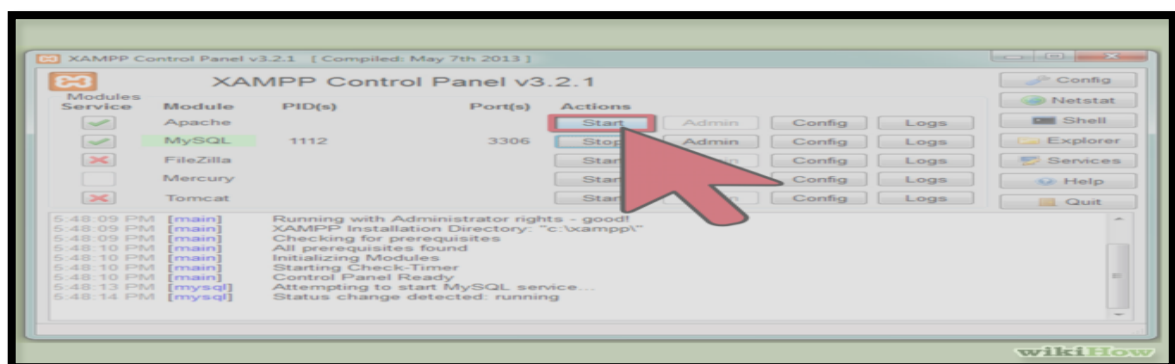
6. **Accept the default settings.** A command will open and offer an initial installation prompt. Just hit the Enter key, and accept the default settings. To simplify installation, just hit ENTER when prompted on the command line. You can always change settings, by editing the configuration files later.



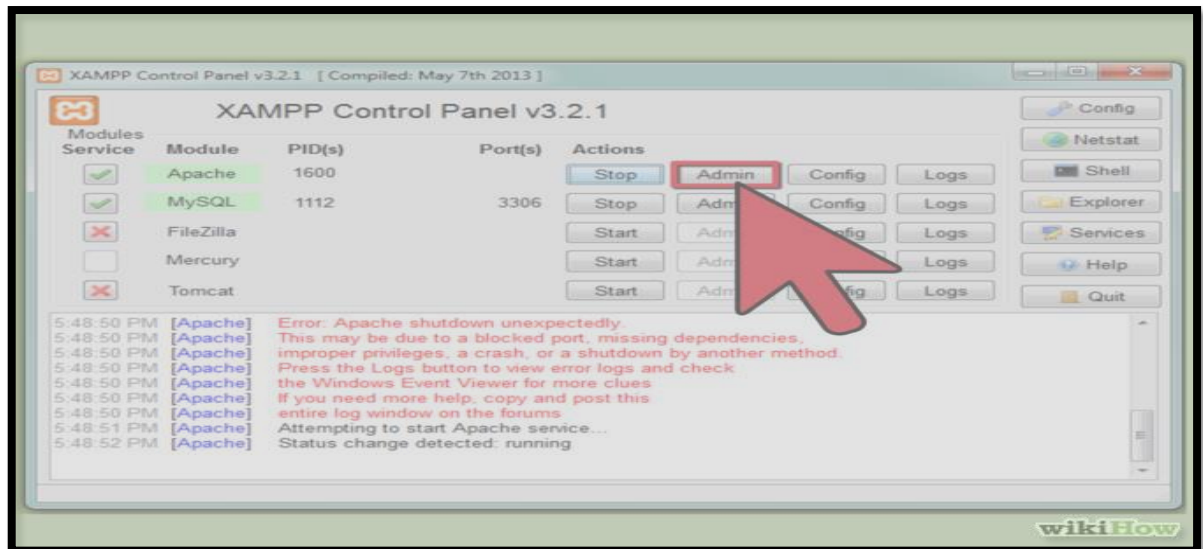
7. **When your installation is complete, exit the command window by typing x on the command line.**



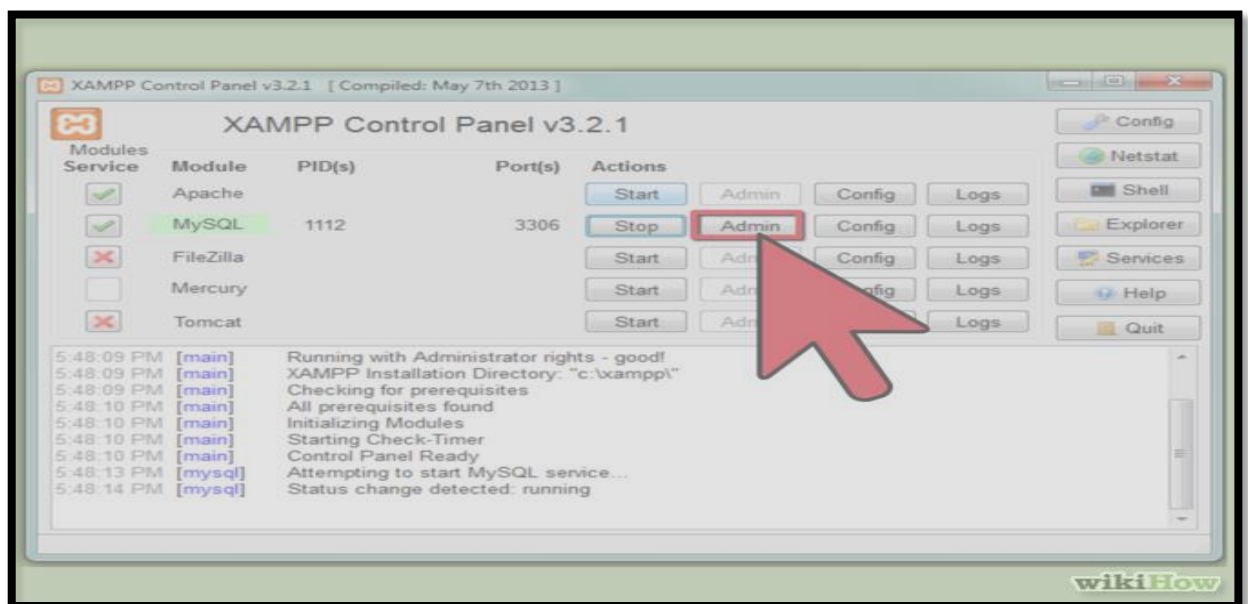
8. **Start the XAMPP Control Panel.**



8. **Start the Apache and MySQL components.** You can also start the other components, if you plan to use them.



9. Verify the Apache install, by clicking on the Apache administrative link in the Control Panel.



10. Verify the MySQL installation, by clicking on the MySQL administrative link in the XAMPP Control Panel.

- If the verification steps are successful, XAMPP should be successfully installed on your PC. Open a browser and enter "localhost" on your address bar. You will be redirected to a page telling you that you've successfully installed xampp on your system

Accessing the EXAMINATION:

- **SERVER ACCESS:**

1. Type the local machine's I/P address i.e. LOCALHOST or simply run usbwebserver.exe and CLICK on LOCALHOST.
2. localhost:8080/project/adminlog.php (Press Enter).
3. Enter Username, Password to gain access (Recommended for Faculty).
4. Set the type of EXAMINATION to be conducted by selecting the appropriate combination.
5. CLICK START EXAM BUTTON.
6. On time completion CLICK STOP BUTTON.

- **CLIENT ACCESS:**

1. Enter the appropriate I/P address of the server in address bar of browser.(Press Enter)
2. Enter the ROLL NUMBER in the text box. (Not eligible if not registered for course).
3. Next page displays the details CLICK on START to begin the test.
4. On completion click END EXAM. Result will be declared there itself.

- **RESULT GENERATION:**

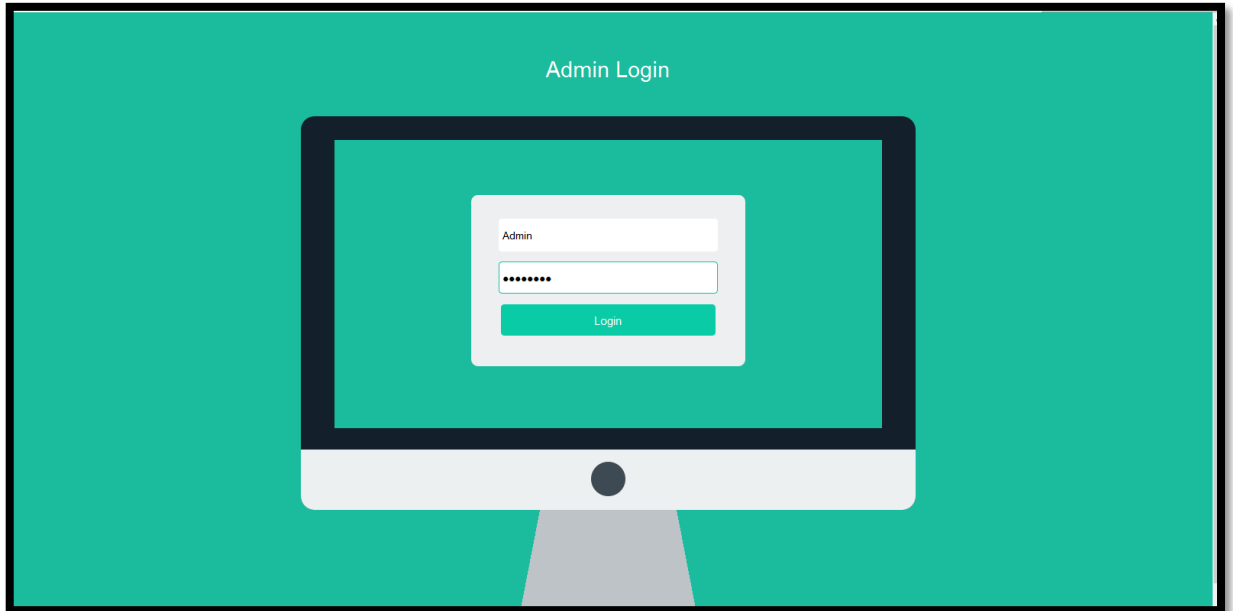
1. Result generation will be at the SERVER END where user can access his result and verify the answers (Faculty Permissions Required).
2. No change in result will be accepted as the result is COMPUTER GENERATED.

- **DATABASE SETUP:**

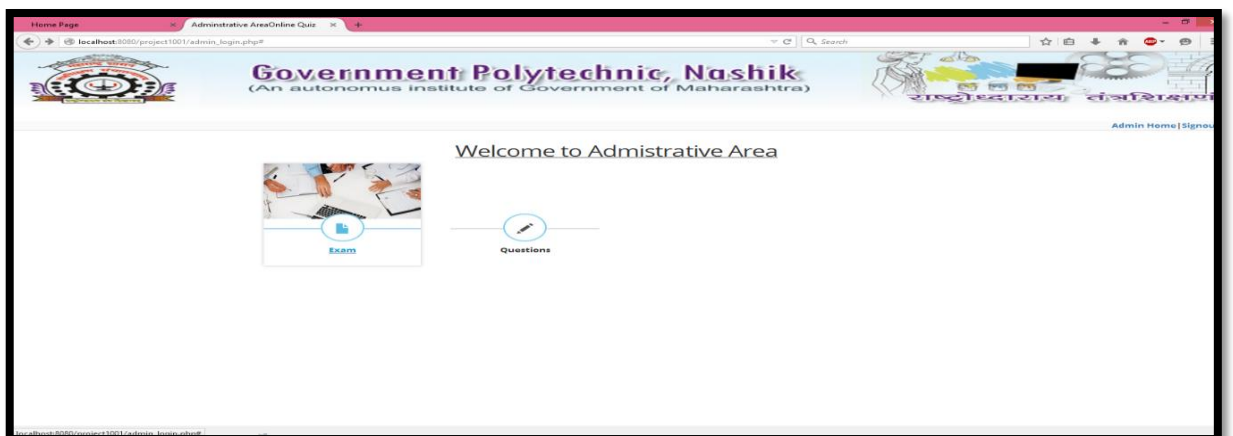
1. Set the examination to be conducted from the "PHYSICS"|"CHEMISTRY Database.
2. Select the PROGRAMME for which the examination is conducted eg:- Automobile Engineering (AE) which loads the (AE) PROGRAMME database into the memory.
3. Keep a check on the LOGGED IN and LOGGED OUT candidates through DETAILS PANE on Server .Candidates status are stored in DB till exam in not "ENDED" by faculty.
4. Results database permanently stores the results of each student of EACH PROGRAMME.

Admin's Panel

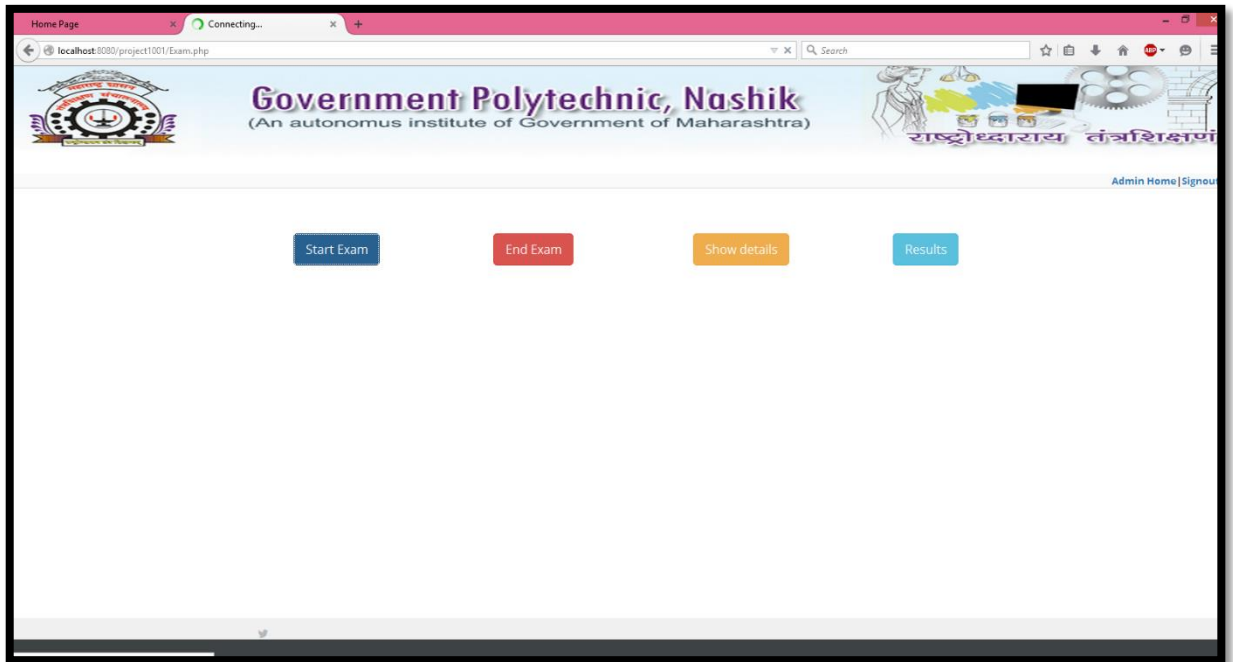
1. Log In with appropriate details.



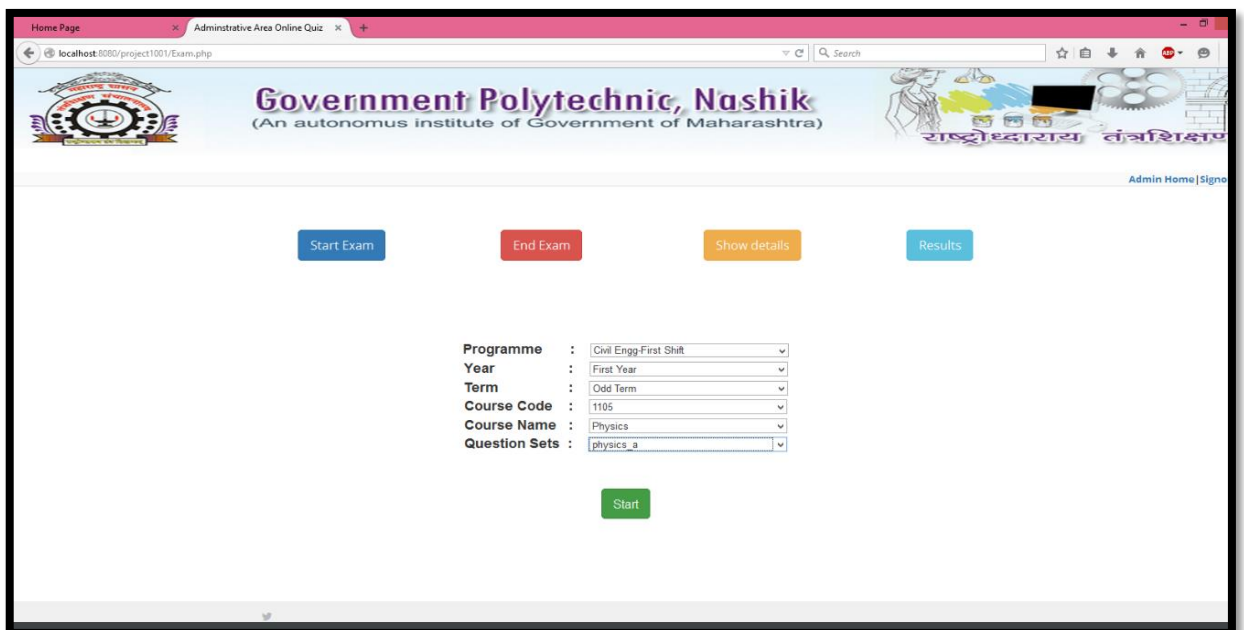
2. Home Page for ADMIN PANEL (Click on exam to set EXAMINATION).



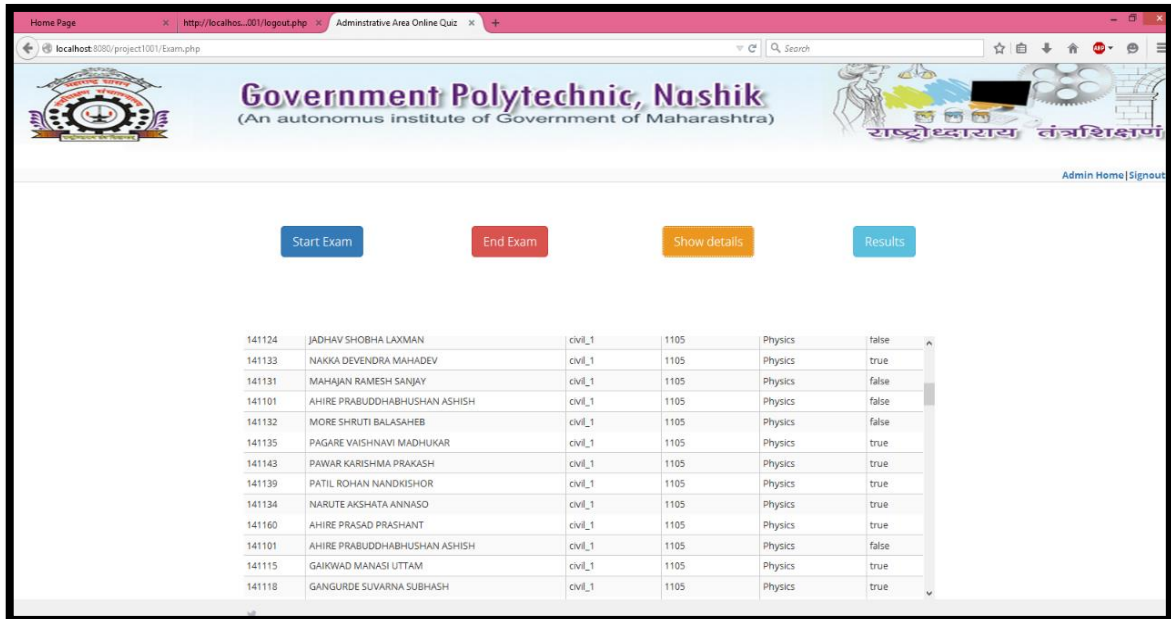
3. Various TABS for Exam details (START EXAM to set a TEST).



4. EXAM SETTING Panel for Administrators and Faculty.



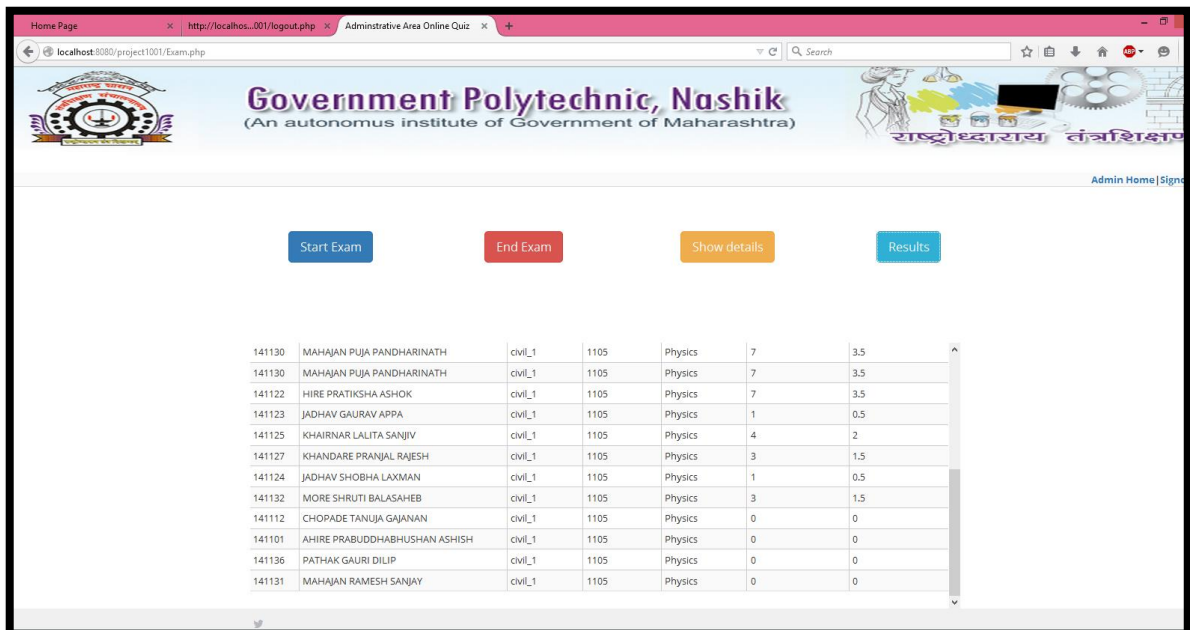
- The status of CURRENT EXAM CANDIDATES (True->Logged-In , False->Logged-Out).



The screenshot shows the 'Administrative Area Online Quiz' interface. At the top, there's a header with the college logo and name 'Government Polytechnic, Nashik (An autonomous institute of Government of Maharashtra)'. Below the header, there are four buttons: 'Start Exam', 'End Exam', 'Show details', and 'Results'. The main content area displays a table of exam candidates.

Roll No.	Name	Subject	Section	Score	Status
141124	JADHAV SHOBHA LAXMAN	civil_1	1105	Physics	false
141133	NAKKA DEVENDRA MAHADEV	civil_1	1105	Physics	true
141131	MAHAJAN RAMESH SANJAY	civil_1	1105	Physics	false
141101	AHIRE PRABUDDHABHUSHAN ASHISH	civil_1	1105	Physics	false
141132	MORE SHRUTI BALASAHEB	civil_1	1105	Physics	false
141135	PAGARE VAISHNAVI MADHUKAR	civil_1	1105	Physics	true
141143	PAWAR KARISHMA PRAKASH	civil_1	1105	Physics	true
141139	PATIL ROHAN NANDKISHOR	civil_1	1105	Physics	true
141134	NARUTE AKSHATA ANNASO	civil_1	1105	Physics	true
141160	AHIRE PRASAD PRASHANT	civil_1	1105	Physics	true
141101	AHIRE PRABUDDHABHUSHAN ASHISH	civil_1	1105	Physics	false
141115	GAIKWAD MANASI UTTAM	civil_1	1105	Physics	true
141118	GANGURDE SUVARNA SUBHASH	civil_1	1105	Physics	true

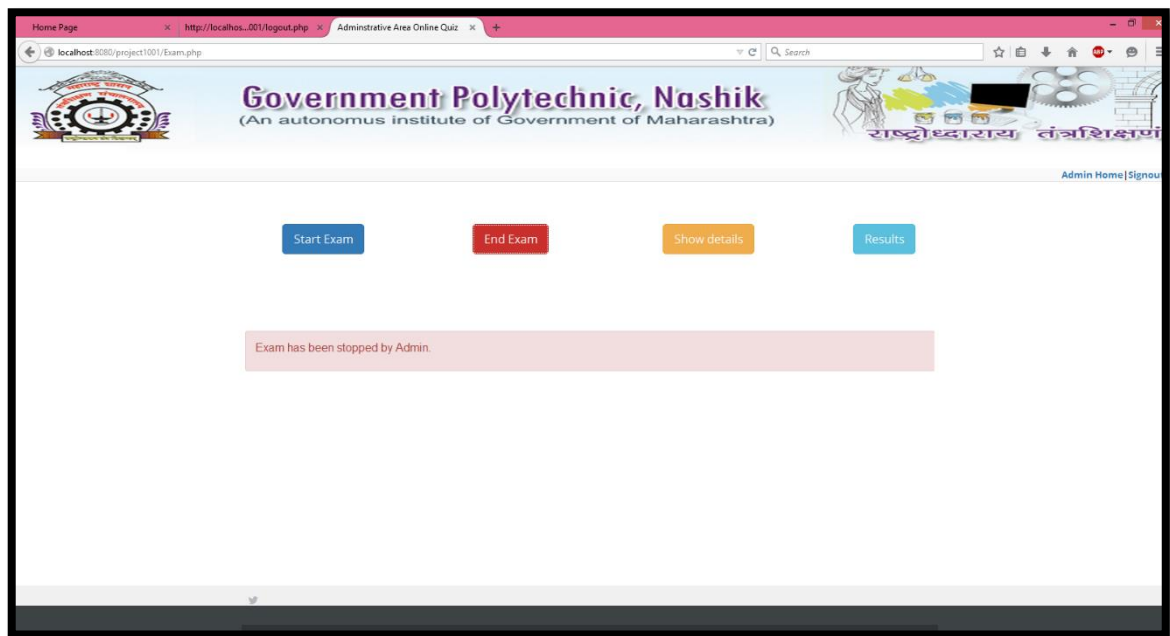
- Result sheet of latest appeared batch and details.



The screenshot shows the 'Administrative Area Online Quiz' interface. At the top, there's a header with the college logo and name 'Government Polytechnic, Nashik (An autonomous institute of Government of Maharashtra)'. Below the header, there are four buttons: 'Start Exam', 'End Exam', 'Show details', and 'Results'. The main content area displays a table of exam results.

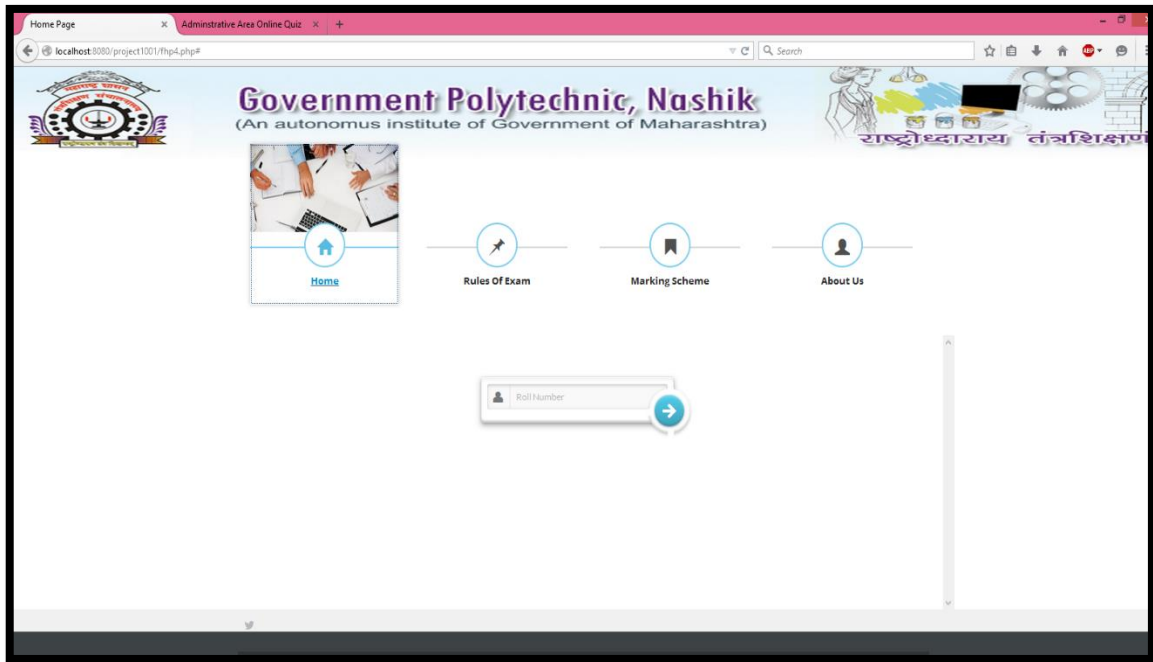
Roll No.	Name	Subject	Section	Score	Percentage
141130	MAHAJAN PUJA PANDHARINATH	civil_1	1105	Physics	3.5
141130	MAHAJAN PUJA PANDHARINATH	civil_1	1105	Physics	3.5
141122	HIRE PRATIKSHA ASHOK	civil_1	1105	Physics	3.5
141123	JADHAV GAURAV APPA	civil_1	1105	Physics	0.5
141125	KHAIRNAR LALITA SANJIV	civil_1	1105	Physics	4
141127	KHANDARE PRANJAL RAJESH	civil_1	1105	Physics	3
141124	JADHAV SHOBHA LAXMAN	civil_1	1105	Physics	1
141132	MORE SHRUTI BALASAHEB	civil_1	1105	Physics	3
141112	CHOPADE TANUJA GAJANANI	civil_1	1105	Physics	0
141101	AHIRE PRABUDDHABHUSHAN ASHISH	civil_1	1105	Physics	0
141136	PATHAK GAURI DILIP	civil_1	1105	Physics	0
141131	MAHAJAN RAMESH SANJAY	civil_1	1105	Physics	0

6. EXAMINATION End status.

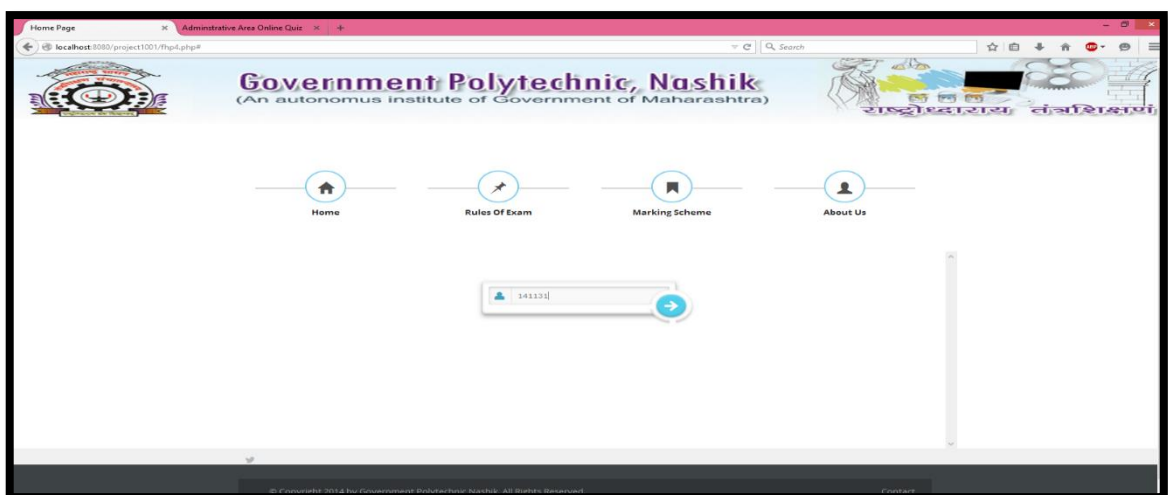


Client (Candidate's) Panel

1. Click on HOME to obtain Log-In page

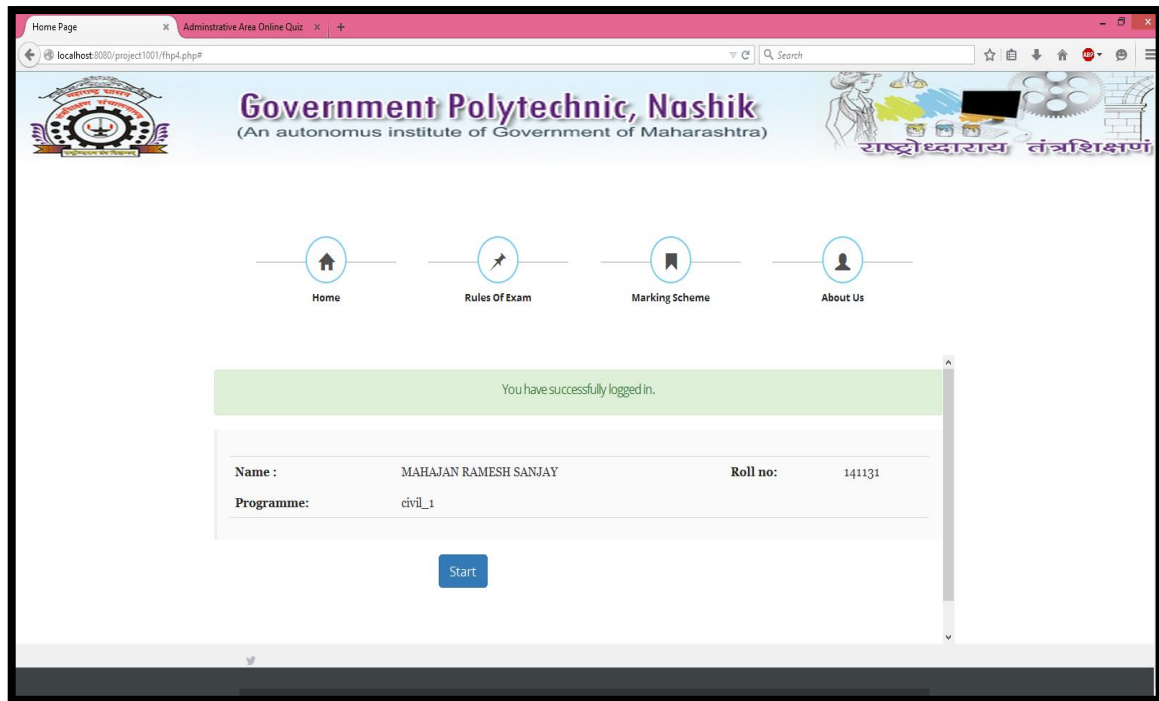


2. Login Pane for Students to Log-In.

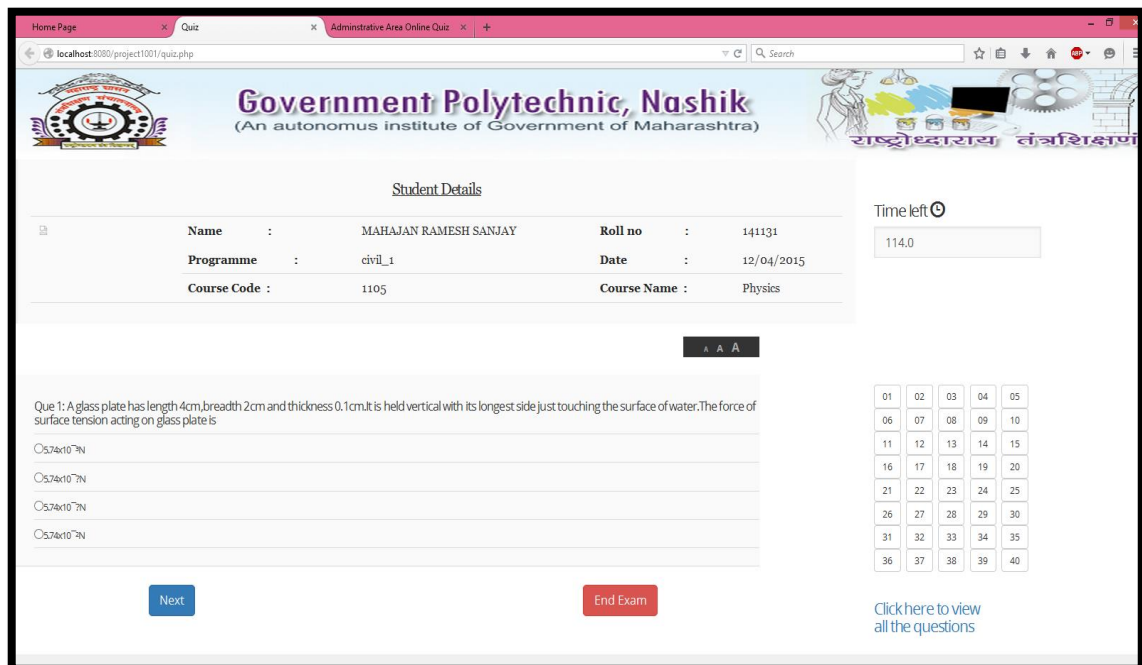


3. Verification of Student's Details

Online Examination System

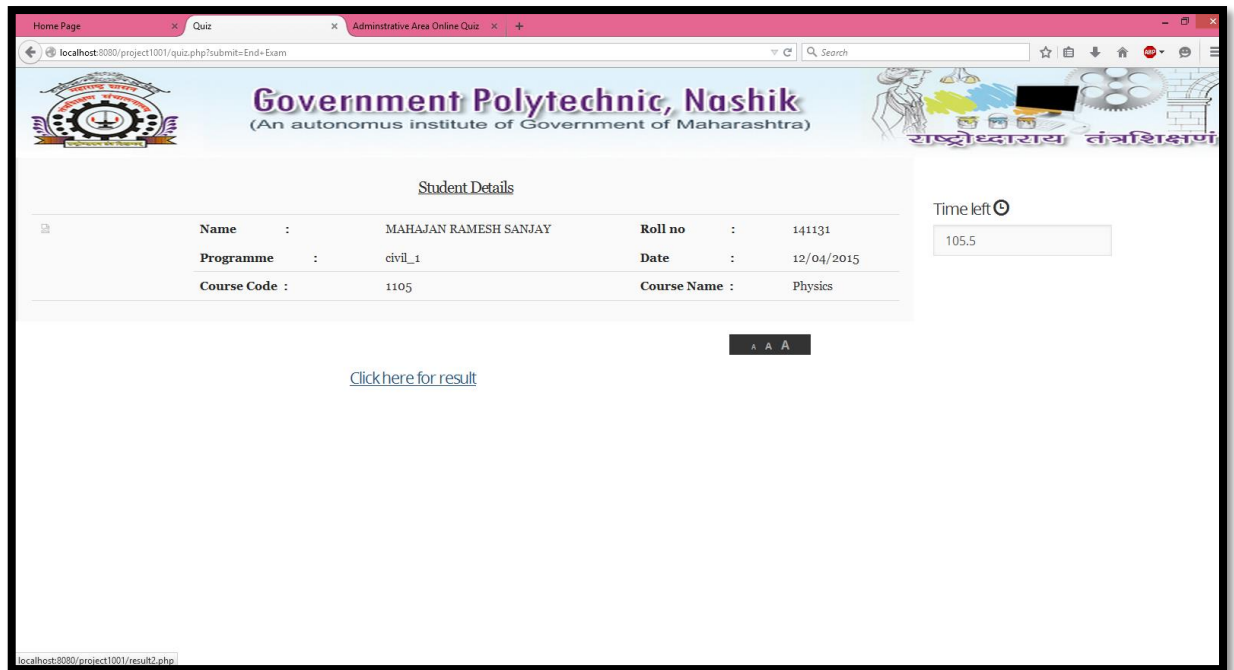


4. Actual TEST PAPER VIEW

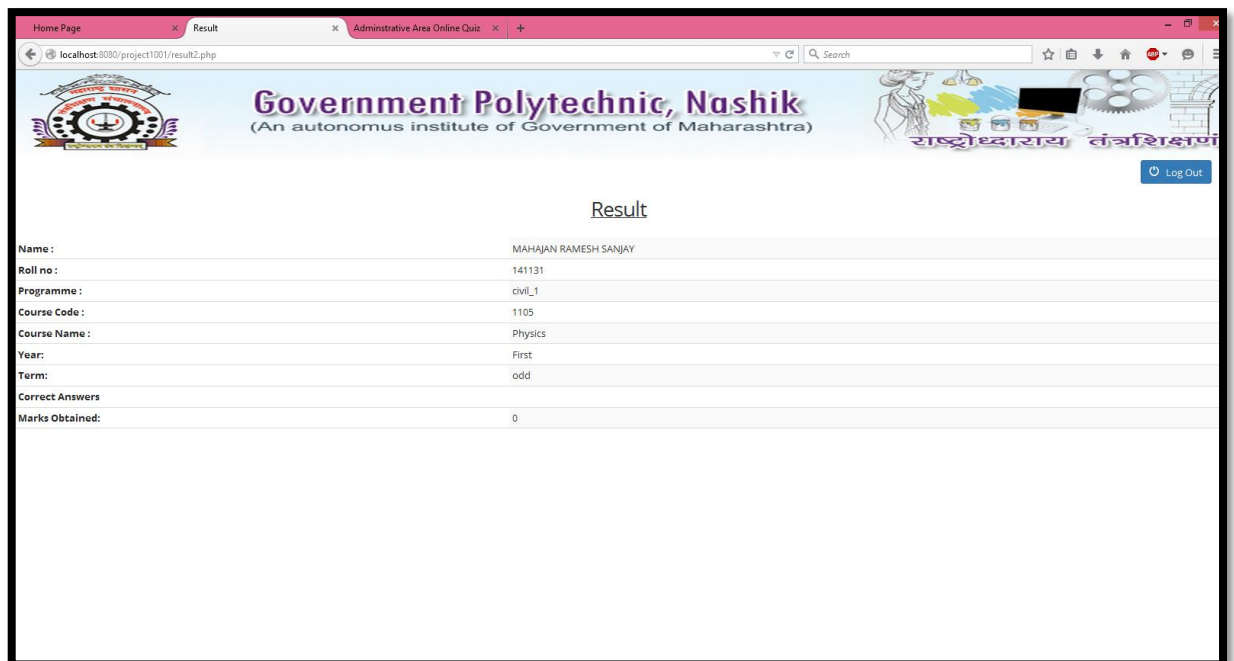


5. After clicking on "END EXAM BUTTON"

Online Examination System



6. Result page view at Candidate's End



7. On clicking SIGN OUT Button

