

**MINI PROJECT-I**  
**MID-TERM REPORT**  
**(2020-21)**

**ONLINE QUIZ**  
**GENERATOR**

Department of Computer Engineering  
& Applications



**GLA**  
**UNIVERSITY**  
**MATHURA**  
Established vide U.P. Act 21 of 2010.

## **Submitted By:**

Pratibha Dixit

(University Roll No- 181500498)

Megha Kansal

(University Roll No- 181500382)

## **Supervised By:**

**Mr. Anand Kumar Gupta**

**Asst. Professor**

**Department of Computer Science &  
Applications**

**And**

**Ms. Ruchi Gupta**

**Asst. Professor**

**Department of Computer Science &  
Applications**

## **Contents**

---

Abstract	4
<b>1. Introduction</b>	<b>5-8</b>
1.1 General Introduction To The Topic	5
1.2 Area Of Computer Science	6
1.3 Hardware And Software Requirements	7
<b>2. Problem Definition</b>	<b>9-12</b>
2.1 Existing System	9
2.2 Drawbacks Of Existing System	9
2.3 Proposed System	10
2.4 Features Of Proposed System	11
<b>3. Objective</b>	<b>13-14</b>
<b>4. Implementation Details</b>	<b>15-20</b>
4.1 Detail Description Of Technology Used	15
4.2 Class Diagram	18
4.3 ERD (Entity Relationship Diagram)	19
4.4 Model Hierarchy Diagram	20
<b>5. Progress Till Date And The Remaining Work</b>	<b>21-22</b>
<b>6. Screenshots</b>	<b>23-41</b>
6.1 Code Screenshots	23
6.2 Output Screenshots	34
<b>7. References</b>	<b>42</b>

## **Abstract**

ONLINE QUIZ forms the lifeline of the Educational Institutes to the functioning of the Examination. It is very essential for an Institute to handle the Examinations and their results. It is very useful for an Institute to test its students continuously for their mutual development. This system is helpful for conducting Multiple Choice Questions (M.C.Q's) in the Examinations which can be conducted regularly as well as for surprise tests and provides immediate results saving the precious time of faculties to check the papers and prepare mark sheets.

The IT initiatives have encouraged various Organizations to develop systems to facilitate their day to day operations. The “Online Quiz Generator” system helps in conducting examinations quickly and can thus help in saving time and the operations will be carried out efficiently.

With the effective use, any Institute can use the “Online Quiz Generator” for conducting quick examinations and getting better results in less time.

It is a good source of interactivities among students and between the teacher and students. It is done in order to improve student's comprehension levels and learning motivation. As one of their tools, online test tools are quite effective. So, we have developed a Web-based online test/quiz system which can create quizzes competitively and collaboratively for students for the purpose of reducing the load required for a teacher and promoting interaction among teachers and students.

# **1. Introduction**

## **1.1 General Introduction To The Topic:**

Now a days, the web base quiz systems are getting popular with tremendous speed. As the technology is spreading throughout the world the automated systems are also taking the place of manual systems. Currently big institutes are running their online quiz systems at a very successful rate. As the time is progressing the online quiz is making interest to the faculties and also to the students. In the developed cities and organizations people are understanding that how the online quiz system is far better and efficient. With the recent time this system is vastly growing in this techno world.

The “Online Quiz Generator” is a web application for to take online test in an efficient manner and no time wasting for checking the paper. The main task of “Online Quiz Generator” is to efficiently evaluate a candidate thoroughly through a fully automated system that not only saves a lot of time but also gives fast results.

For students they give papers according to their convenience and time and there is no need of using extra things like answer sheets, question papers etc.

This web application can be used anywhere and at any time as it is a web based application (user location doesn't matter). No

restriction that examiner has to be present when the candidate takes test.

## **1.2 Area Of Computer Science:**

**Web development** is the work involved in developing a Web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing a simple single static page of plain text to complex Web-based Internet applications (Web apps), electronic businesses, and social network services. A more comprehensive list of tasks to which Web development commonly refers, may include Web engineering, Web design, Web content development, client liaison, client-side/server-side scripting, Web server and network security configuration, and e-commerce development.

Among Web professionals, “Web development” usually refers to the main non-design aspects of building Web sites: writing markup and coding. Web development may use content management system (CMS) to make content changes easier and available with basic technical skills.

For larger organizations and businesses, Web development teams can consist of hundreds of people (Web developers) and follow standard methods like agile methodologies while developing Web sites. Smaller organizations may only require a single permanent or contracting developer, or secondary assignment to related job

positions such as graphic designer or information systems technician. Web development may be a collaborative effort between departments rather than the domain of a designated department.

There are three kinds of Web developer specialization:

1. Front-end Developer
2. Back-end Developer
3. Full-stack Developer

Front-end developers are responsible for behaviour and visuals that run in the user browser, while back-end developers deal with the services. Whereas, full-stack developers are combination of both front-end developers and back-end developers.

## **1.3 Hardware And Software Requirements:**

### **1.3.1 Hardware Requirements Specification:**

Processor	: Intel Pentium III or later
Main Memory(RAM)	: 256 MB
Cache Memory	: 512 KB
Monitor	: 14 inch Color Monitor
Keyboard	: 108 Keys
Mouse	: Optical Mouse
Hard Disk	: 160 GB

### **1.3.2 Software Requirements Specification:**

Front End/Language	:	PHP, CSS, JavaScript
Back End/Database	:	MYSQL
Additional Tools	:	XAMPP Server
Operating System	:	Windows 7, 8, 9, 10, XP



## **2. Problem Definition**

### **2.1 Existing System:**

The first problem is that there are loads of hard copied documents being generated. This brings us to the age-old discussion of keeping information in the form databases versus keeping the same on sheets of paper. Keeping the information in the form of hard-copied documents leads to the following problems.

### **2.2 Drawbacks Of Existing System:**

- i. **Lack of space** – It becomes a problem in itself to find space to keep the sheets of paper being generated as a result of the ongoing discussion. The documents being generated are too important to be ill-treated.
- ii. **Filing poses a problem** – Filing the documents categorically is a time consuming and tedious exercise.

- iii. **Filtering is not easy** – It becomes hard to filter relevant documents for the irrelevant ones if the count of the same crosses a certain manageable number.
- iv. **Reviewing becomes time-consuming** – All the process done manually at the centers and all the records are maintained on the papers. So the maintenance of the record is very difficult in the departments and as well as it's very difficult for the workers to check the record. The Existing system is paper based, time consuming, monotonous, less flexible and provides a very hectic working schedule. The chance of loss of records is high and also record searching is difficult. Maintenance of the system is also very difficult and takes lot of time.
- v. **Result Processing:** is slow due to paper work and requirement of staff.

## **2.3 Proposed System:**

This Web Application provides facility to conduct online examination worldwide.

It saves time as it allows number of students to give the exam at a time and displays the results as the test gets over, so no need to wait for the result. It is automatically generated by the server. Administrator has a privilege to create, modify and delete the test papers and its particular questions. User can register, login and give the test with his specific id, and can see the results as well.

## **2.4 Features Of Proposed System:**

- **FUNCTIONAL CAPABILITIES:** The ultimate aim of this project is to help the quiz analysis and facilitate the faculties the faculties for easy evaluation of the students and generation of the automatic score cards.

The system shall display the set of questions with certain rules. It also displays the category for which the students wish to answer.

Once the student has completed choosing the category starts answering the questions. The mark is given and report is generated based on the correct answers.

- **PERFORMANCE LEVEL:** The scope of this project gives immense opportunity for the students to know their levels in quiz. It provides effective software so as to help the students as well as the

evaluators who are involved in evaluating the student's performance.

- **DATA STRUCTURES:** The data in this project are maintained in the tabular form using MYSQL in the form of database. It provides easy access to the user. Easy category questions are maintained in the database which provides easy for the user to access and choose the category.
- **SAFETY:** No data loss occurs in the quiz system.
  1. It is very much protected in such a way that it gives permission to the students to access only when the username and password is correct.
  2. The results are produced electronically so that nobody is prone to mistakes.
- **RELIABILITY:** We assure that the project is completely authenticated in order to enhance security and corruptions of database as well as the software. The person is given access only if he/she has a valid username and password.
- **QUALITY:** The project is developed with the help of visual basic 6.0 software which meets the requirement of the user, the project is checked whether the phases individually have a served its purpose.

### 3. Objective

Technological advancements in this era of digitization along with being a boon to the world have been advantageous to the educational sector too. The introduction of online exam software replaced the conventional system of assessment.

The various examination conducting agencies are now able to evaluate the test takers freely and cost-effectively through computer-based tests. This article discusses the objectives of an online quiz system.

Before proceeding further let us understand the concept of “Online Quiz Generator” system. This software allows users to take online tests and automatically generate results based on the answers marked by the users. Let’s now discuss the reason for the introduction of “Online Quiz Generator” in the modes of conducting an assessment.

- ✓ **Conduct Exams Effortlessly:** Computer-based tests as a method of conducting an assessment enable users to manage an exam easily. The functionalities of an exam software such as user-friendly dashboard, multiple languages, support for multiple question types and formats, detailed reporting, automatic instant results help in smooth conduction.
- ✓ **Reduce exam anxiety amongst test takers:** The flexibility associated with computer-based test takers as they can take the exam at any time of the day that coincides with their preferred sleep/wake cycles.

- ✓ **Promote social interaction between the test takers and experts:** An online environment provides exam preparation with experts or peers as they can review the course content together. Online assessment is possible through an exam software which lays the real foundation of academic teaching as it facilitates discussion with teachers and other students.
- ✓ **Prevents cheatings:** Cheating amongst the test-takers in the examination hall is one of the major drawbacks of pen-paper based assessment. Online examination manages to avoid the possibilities of secretly using unfair means to get the right answers up to a large extent. The presence of various functionalities in exam software prevents cheating irrespective of the test taker's location.
- ✓ **Safe and secure data:** Various tools offered by exam software have enabled the assessment conducting agencies to manage the crucial data related to examination questions and test-takers safely.
- ✓ **Reduce administrative burden:** Organizing and running exams online not only reduces an organizations administrative burden but also saves cost and time. Online examination/quiz with its objective to make evaluation massive but simple, cost-effective and faster has replaced the pen-paper based assessment. The examination managing agencies have started preferring computer-based test to instill their lost faith in the method of conducting an evaluation.

## **4. Implementation Details**

### **4.1 Detail Description Of Technology Used:**

Following is the brief description about various technologies used while designing this system:

➤ **PHP (Hypertext Preprocessor):**

Hypertext Preprocessor is a widely used, general-purpose scripting language that was originally designed for web applications.

➤ **PHP Advantages:**

A popular choice in today's web world is using PHP. PHP is a general-purpose scripting language that is especially suited to server-side web development where PHP generally runs on a web server. Its clarity in design, well organized modules and better upkeep of various technologies, make it the most popular language in the online industry today. Its popularity and credibility can be judged by the fact that reputed organizations like Harvard University and popular social networking site Facebook, both are based on PHP. This is possible because PHP websites can be easily maintained, improved and updated from time to time.

➤ **JavaScript:**

JavaScript is an object-oriented scripting language used to enable programmatic access to objects within both the client application and other applications. It is primarily used in the

form of client-side JavaScript, implemented as an integrated component of the web browser, allowing the development of enhanced user interfaces and dynamic websites. JavaScript is a dialect of the ECMA Script standard and is characterized as a dynamic, weakly typed, prototype-based language with first-class functions. JavaScript was influenced by many languages and was designed to look like Java, but to be easier for non-programmers to work with. JavaScript was originally developed by Brendan Eich of Netscape under the name Mocha, which was later renamed to Live Script, and finally to JavaScript.

➤ **Apache:**

The name ‘Apache’ was chosen from respect for the Native American Indian tribe of Apache, well-known for their superior skills in warfare strategy and their inexhaustible endurance. It also makes a cute pun on “a patchy web server”, a server made from a series of patches but this was not its origin. The group of developers who released this new software soon started to call themselves the “Apache Group”. The Apache HTTP Server, colloquially called Apache, is a free and open-source cross-platform web server software, released under the terms of Apache License 2.0. Apache is developed and maintained by an open community of developers under the auspices of the Apache Software Foundation.

➤ **SQL Server:**



SQL is Structured Query Language, which is a computer language for storing, manipulating and retrieving data stored in a relational database.

SQL is the standard language for Relational Database System. All the Relational Database Management Systems (RDMS) like MySQL, MS Access, Oracle, Sybase, Informix, Postgres and SQL Server use SQL as their standard database language.

Also, they are using different dialects, such as –

- MS SQL Server using T-SQL,
- Oracle using PL/SQL,
- MS Access version of SQL is called JET SQL (native format) etc.

➤ **CSS:**

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

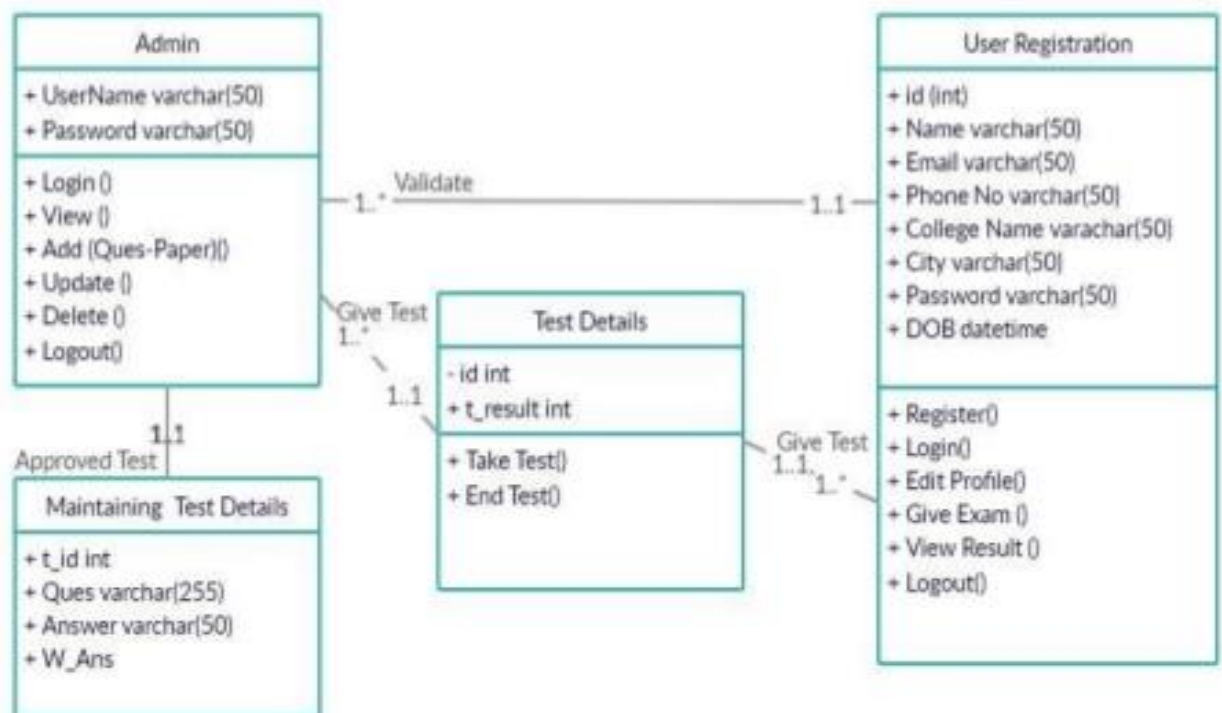
➤ **Bootstrap:**

Originally created by a designer and a developer at Twitter, Bootstrap has become one of the most popular front-end frameworks and open source projects in the world.

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It

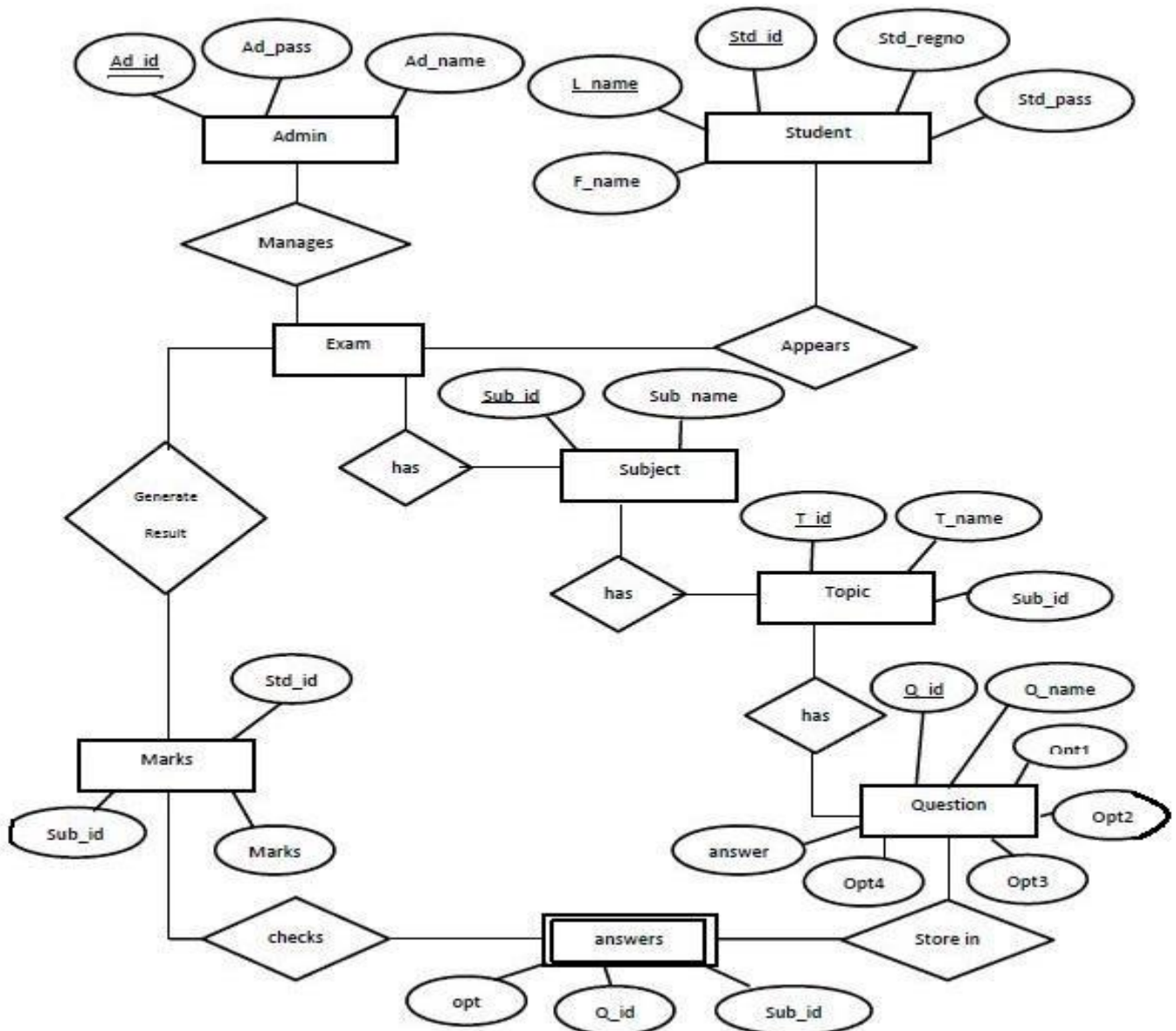
contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

## 4.2 Class Diagram:

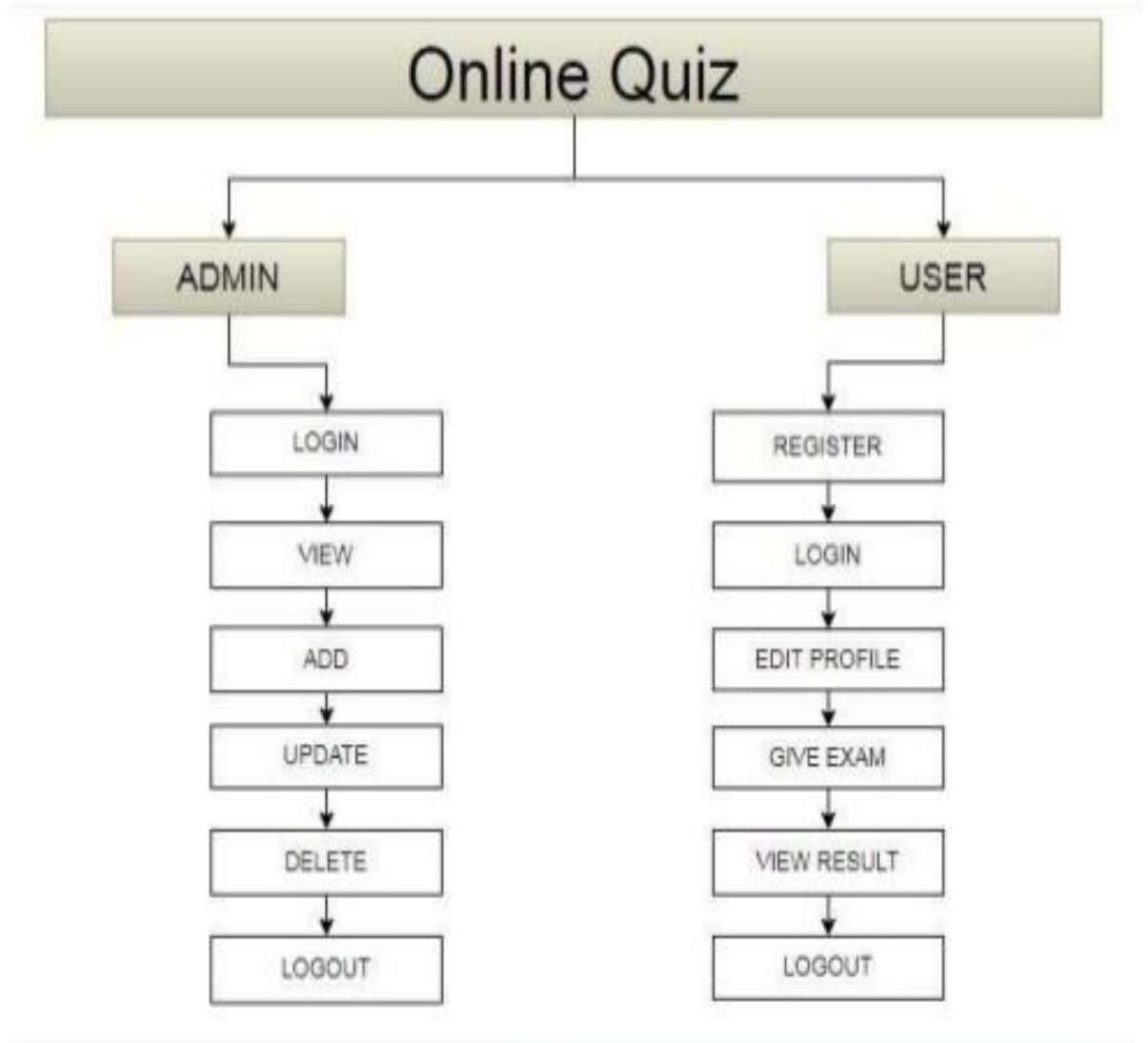


**Fig1:** Class Diagram

### 4.3 ERD (Entity Relationship Diagram):



#### 4.4 Model Hierarchy Diagram:



**Fig3:** Hierarchy Diagram

## **5. Progress Till Date And**

### **The Remaining Work**

- Completed Work Of The Project:
  1. In “css” folder:
    - ✓ ‘bootstrap-theme.min.css’ added
    - ✓ ‘bootstrap.min.css’ added
    - ✓ ‘font.css’ completed
    - ✓ ‘main.css’ completed
  2. “fonts” folder completed
  3. “image” folder images added
  4. In “js” folder:
    - ✓ ‘bootstrap.min.js’ added
    - ✓ ‘bootstrap.js’ added
    - ✓ ‘jQuery.js added’
    - ✓ ‘main.js’ completed
    - ✓ ‘modernizr.js’ added
  5. ‘account.php’ completed
  6. ‘admin.php’ completed
  7. ‘dash.php’ completed
  8. ‘dbConnection.php’ completed
  9. ‘favicon.ico’ added
  10. ‘feed.php’ completed
  11. ‘feedback.php’ completed
  12. ‘index.php’ completed

13. 'login.php' completed
14. 'logout.php' completed
15. 'MINI PROJECT SYNOPSIS.pdf' added
16. 'quiz.sql' completed
17. 'sign.php' completed
18. 'update.php' completed

- Remaining Work Of The Project:

1. Testing of the software is left.
2. Changes and modifications regarding the test results are left to be implemented.

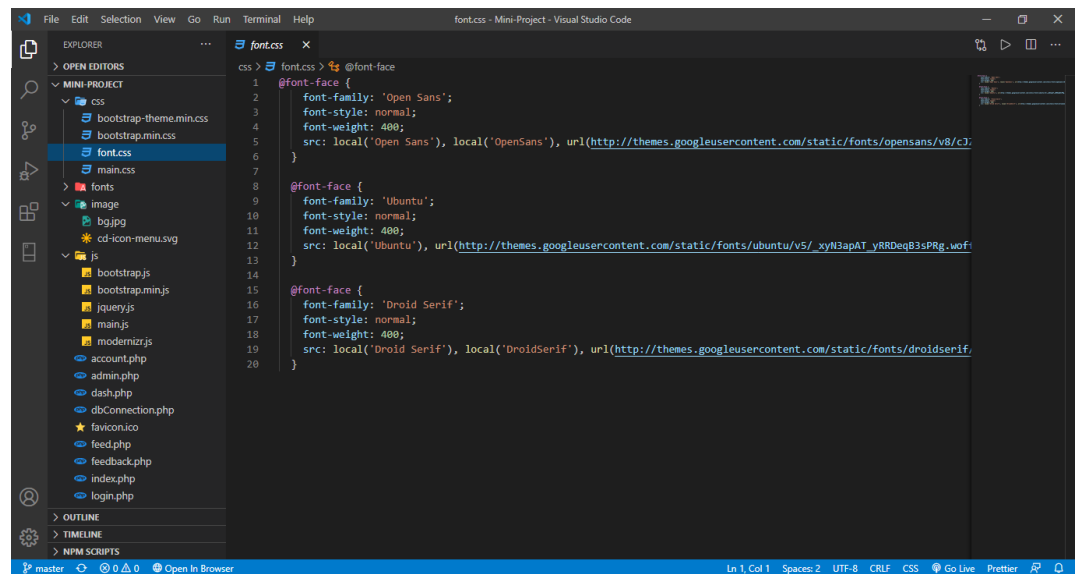
## 6. Screenshots

### 6.1 Code Screenshots:

- “css” folder:
  - ‘bootstrap-theme.min.css’-

- ‘bootstrap.min.css’-

## ➤ 'font.css' -

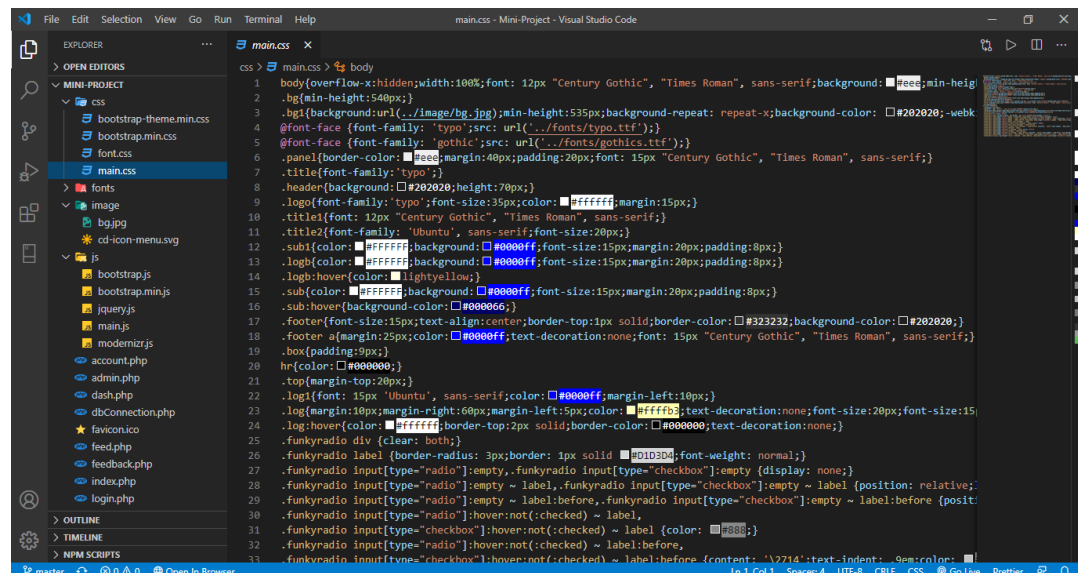


```

1  @font-face {
2      font-family: 'Open Sans';
3      font-style: normal;
4      font-weight: 400;
5      src: local('Open Sans'), local('OpenSans'), url(http://themes.googleusercontent.com/static/fonts/opensans/v8/cj)
6  }
7
8  @font-face {
9      font-family: 'Ubuntu';
10     font-style: normal;
11     font-weight: 400;
12     src: local('Ubuntu'), url(http://themes.googleusercontent.com/static/fonts/ubuntu/v5/_xyl3apAT_yRRDeqB3sPRg.wof)
13 }
14
15 @font-face {
16     font-family: 'Droid Serif';
17     font-style: normal;
18     font-weight: 400;
19     src: local('Droid Serif'), local('DroidSerif'), url(http://themes.googleusercontent.com/static/fonts/droidserif)
20 }

```

## ➤ 'main.css' -



```

1  body{overflow-x:hidden;width:100%;font: 12px "Century Gothic", "Times Roman", sans-serif;background: #eee;min-heig
2  .bg{min-height:540px;}
3  .bg{background:url(../image/bg.jpg);min-height:535px;background-repeat: repeat-x;background-color: #202020;-webk
4  @font-face {font-family: 'typo';src: url(../fonts/typo.ttf);}
5  @font-face {font-family: 'gothic';src: url(../fonts/gothics.ttf);}
6  .panel{border-color: #eee;margin:40px;padding:20px;font: 15px "Century Gothic", "Times Roman", sans-serif;}
7  .title{font-family: 'typo';}
8  .header{background: #202020;height:70px;}
9  .logo{font-family: 'typo';font-size:35px;color: #ffffff;margin:15px;}
10 .title1{font: 12px "Century Gothic", "Times Roman", sans-serif;}
11 .title2{font-family: 'Ubuntu', sans-serif;font-size:20px;}
12 .sub1{color: #ffffff;background: #0000ff;font-size:15px;margin:20px;padding:8px;}
13 .logb{color: #ffffff;background: #0000ff;font-size:15px;margin:20px;padding:8px;}
14 .logb:hover{color: #lightyellow;}
15 .sub{color: #ffffff;background: #0000ff;font-size:15px;margin:20px;padding:8px;}
16 .sub:hover{background-color: #000066;}
17 .footer{font-size:15px;text-align:center;border-top:1px solid;border-color: #323232;background-color: #202020;}
18 .footer a{margin:25px;color: #0000ff;text-decoration:none;font: 15px "Century Gothic", "Times Roman", sans-serif;}
19 .box{padding:8px;}
20 hr{color: #000000;}
21 .top{margin-top:20px;}
22 .log1{font: 15px 'Ubuntu', sans-serif;color: #0000ff;margin-left:10px;}
23 .log{margin:10px;margin-right:60px;margin-left:5px;color: #ffffff;text-decoration:none;font-size:20px;font-size:15
24 .log:hover{color: #ffffff;border-top:2px solid;border-color: #000000;text-decoration:none;}
25 .funkyradio div {clear: both;}
26 .funkyradio label {border-radius: 3px;border: 1px solid #0000ff;font-weight: normal;}
27 .funkyradio input[type="radio"]:empty,.funkyradio input[type="checkbox"]:empty {display: none;}
28 .funkyradio input[type="radio"]:empty ~ label,.funkyradio input[type="checkbox"]:empty ~ label {position: relative;
29 .funkyradio input[type="radio"]:empty ~ label:before,.funkyradio input[type="checkbox"]:empty ~ label:before {posit
30 .funkyradio input[type="radio"]:hover:not(:checked) ~ label,
31 .funkyradio input[type="checkbox"]:hover:not(:checked) ~ label {color: #000;}
32 .funkyradio input[type="radio"]:hover:not(:checked) ~ label:before,
33 .funkyradio input[type="checkbox"]:hover:not(:checked) ~ label:before {content: '\2714';text-indent: -9px;color: #

```



- “js” folder:
  - ‘bootstrap.js’-

```

1  /*
2  * Bootstrap v3.3.4 (http://getbootstrap.com)
3  * Copyright 2011-2015 Twitter, Inc.
4  * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
5  */
6
7  if (typeof jQuery === 'undefined') {
8    throw new Error('Bootstrap's JavaScript requires jQuery')
9  }
10
11  +function ($) {
12    'use strict';
13    var version = $.fn.jquery.split(' ')[0].split('.')
14    if ((version[0] < 2 && version[1] < 9) || (version[0] == 1 && version[1] == 9 && version[2] < 1)) {
15      throw new Error('Bootstrap's JavaScript requires jQuery version 1.9.1 or higher')
16    }
17  }(jQuery);
18
19  /*
20  * Bootstrap: transition.js v3.3.4
21  * http://getbootstrap.com/javascript/#transitions
22  *
23  * Copyright 2011-2015 Twitter, Inc.
24  * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
25  */
26
27  +function ($) {
28    'use strict';
29
30    // CSS TRANSITION SUPPORT (Shoutout: http://www.modernizr.com/)
31    //
32
33

```

- ‘bootstrap.min.js’-

```

1  /*
2  * Bootstrap v3.3.4 (http://getbootstrap.com)
3  * Copyright 2011-2015 Twitter, Inc.
4  * Licensed under MIT (https://github.com/twbs/bootstrap/blob/master/LICENSE)
5  */
6
7  if("undefined"==typeof jQuery)throw new Error("Bootstrap's JavaScript requires jQuery");+function(a){function b(){var c=a.fn.jquery.split(" ")[0].split(".");if(c[0]<2&&c[1]<9||1==c[0]&&c[1]==1&&c[2]<1)throw new Error("Bootstrap's JavaScript requires jQuery version 1.9.1 or higher");}(jQuery),function(a){function b(b){var c=document.createElement("bootstrap"),d={WebkitTransition:"webkitTransitionEnd",msTransition:"msTransition",OTransition:"oTransitionEnd",transition:"transitionend"};for(var e in d)if(void 0!==(c.style[e]||a.fn.emulateTransitionEnd(c)))return d[e];return null}a.fn.emulateTransitionEnd=function(b){var c=1,d=this;this.one("bsTransitionEnd",function(){c=10});var e=function(){c||a(d).trigger(a.support.transitionEnd)};return setTimeout(e,b),this,a(function(){a.support.transition=b(),a.support.transition&&a.event.special.bsTransitionEnd={bindType:a.support.transitionEnd,delegateType:a.support.transitionEnd,handle:function(b){return a(b.target).is(this)?b.handleObj.handler.apply(this,arguments):void 0}})})(jQuery),function(a){function b(b){return this.each(function(){var c=a(this),d=c.data("bs.alert");d||c.data("bs.alert",e=new d(this));"string"==typeof b&&b.call(c)});var c=["data-dismiss","alert"],d=function(b){a(b).on("click",c,this.close);d.VERSION="3.3.4",d.TRANSITION_DURATION=150,d.prototype.close=function(b){function c(){g.detach().trigger("closed.bs.alert").remove()}var e=a(this),f=e.attr("data-target");f||(f=e.attr("href"),f=f&&f.replace(/.*(?=#[^\s]*$)/,""));var g=a(f);g&&b&&b.preventDefault(),g.length||(g=e.closest(".alert")),g.trigger(b=a.Event("close.bs.alert")),b.isDefaultPrevented()||g.removeClass("in"),a.support.transition&&g.hasClass("fade")?g.one("bsTransitionEnd",c).emulateTransitionEnd(d.TRANSITION_DURATION):c();var e=a.fn.alert,a=a.fn.alert.b,a.a.fn.alert.Constructor=d,a.a.fn.alert.noConflict=function(){return a.fn.alert=e,this},a(document).on("click.bs.alert.data-api",c,d.prototype.close)})(jQuery),function(a){function b(b){return this.each(function(){var d=a(this),e=d.data("bs.button"),f="object"==typeof b&&b[e][d.data("bs.button"),e=new c(this,f),"toggle"--b?e.toggle():b&&e.setstate(b)});var c=function(b,d){this.isLoading=!1;this.VERSION="3.3.4",c.DEFAULTS={loadingText:"loading..."},c.prototype.setState=function(b){var c="disabled",d=this.$element,e=d.is("input")?"val":"html",f=d.data("bs.text"),null==f?resetText&&d.data("resetText",d.c());setTimeout(g,proxy(function(){d[e](null==f[b]?this.options[b]:f[b]),loadingText=b?this.isLoading!0,d.addClass(c).attr(c,c);this.isLoading&&(this.isLoading-1,d.removeClass(c).removeAttr(c)),this,0),c.prototype.toggle=function(){var a=10,b=this.$element.closest("[data-toggle=buttons]");if(b.length){var c=this.$element.find("input");"radio"==c.prop("type")&&c.prop("checked")&&this.$element.hasClass("active")?a=1:b.find("active").removeClass("active"),a&&c.prop("checked")!&&this.$element.hasClass("active").trigger("change")}else this.$element.attr("aria-pressed")!&&this.

```

## ➤ 'jquery.js' -

```

1  /**
2  * jQuery JavaScript Library v1.10.2
3  * http://jquery.com/
4  *
5  * Includes Sizzle.js
6  * http://sizzlejs.com/
7  *
8  * Copyright 2005, 2013 jQuery Foundation, Inc. and other contributors
9  * Released under the MIT license
10 * http://jquery.org/license
11 *
12 * Date: 2013-07-03T13:48Z
13 */
14 (function( window, undefined ) {
15
16     // Can't do this because several apps including ASP.NET trace
17     // the stack via arguments.caller.callee and Firefox dies if
18     // you try to trace through "use strict" call chains. (#13335)
19     // Support: Firefox 18+
20     // "use strict";
21     var
22
23     // The deferred used on DOM ready
24     readyList,
25
26     // A central reference to the root jQuery(document)
27     rootjQuery,
28
29     // Support: IE<10
30     // For `typeof xmlNode.method` instead of `xmlNode.method !== undefined`
31     core_strundefined = typeof undefined,
32
33     // Use the correct document accordingly with window argument (sandbox)
34     location = window.location,

```

## ➤ 'main.js' -

```

1  jQuery(document).ready(function($) {
2      //open-close submenu on mobile
3      $('.cd-main-nav').on('click', function(event){
4          if($(event.target).is('.cd-main-nav')) $(this).children('ul').toggleClass('is-visible');
5      });
6  });
7

```

## ➤ ‘modernizr.js’-

```

1  /*!
2  * Modernizr v2.7.1
3  * www.modernizr.com
4  *
5  * Copyright (c) Faruk Ates, Paul Irish, Alex Sexton
6  * Available under the BSD and MIT licenses: www.modernizr.com/license/
7  */
8
9  /*
10 * Modernizr tests which native CSS3 and HTML5 features are available in
11 * the current UA and makes the results available to you in two ways:
12 * as properties on a global Modernizr object, and as classes on the
13 * <html> element. This information allows you to progressively enhance
14 * your pages with a granular level of control over the experience.
15 *
16 * Modernizr has an optional (not included) conditional resource loader
17 * called Modernizr.load(), based on Yepnope.js (yepnopejs.com).
18 * To get a build that includes Modernizr.load(), as well as choosing
19 * which tests to include, go to www.modernizr.com/download/
20 *
21 * Authors       Faruk Ates, Paul Irish, Alex Sexton
22 * Contributors  Ryan Seddon, Ben Alman
23 */
24
25 window.Modernizr = (function( window, document, undefined ) {
26
27   var version = '2.7.1',
28
29   Modernizr = {},
30
31   //>>>cssClasses>
32   // option for enabling the HTML classes to be added
33   enableClasses = true;

```

## ● ‘account.php’:

```

1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
2  <html xmlns="http://www.w3.org/1999/xhtml">
3  <head>
4  <link rel="icon" href="favicon.ico" type="image/icon" sizes="16x16">
5  <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
6  <meta name="viewport" content="width=device-width, initial-scale=1">
7
8  <title>Online Quiz Generator</title>
9  <link rel="stylesheet" href="css/bootstrap.min.css"/>
10 <link rel="stylesheet" href="css/bootstrap-theme.min.css"/>
11 <link rel="stylesheet" href="css/main.css"/>
12 <link rel="stylesheet" href="css/font.css">
13 <script src="js/jquery.js" type="text/javascript"></script>
14
15 <script src="js/bootstrap.min.js" type="text/javascript"></script>
16
17 <link href="http://fonts.googleapis.com/css?family=Roboto:400,700,300" rel="stylesheet" type="text/css">
18 <?php
19 if (@$_GET['w']) {
20     echo '<script>alert(" . @$_GET['w'] . ");</script>';
21 }
22 >
23
24 </head>
25 <?php
26 include_once 'dbConnection.php';
27 >
28 <body>
29 <div class="header">
30 <div class="row">
31 <div class="col-lg-6">
32 <span class="logo">Online Quiz Generator</span></div>
33 <div class="col-md-4 col-md-offset-2">

```

- ‘admin.php’:

```

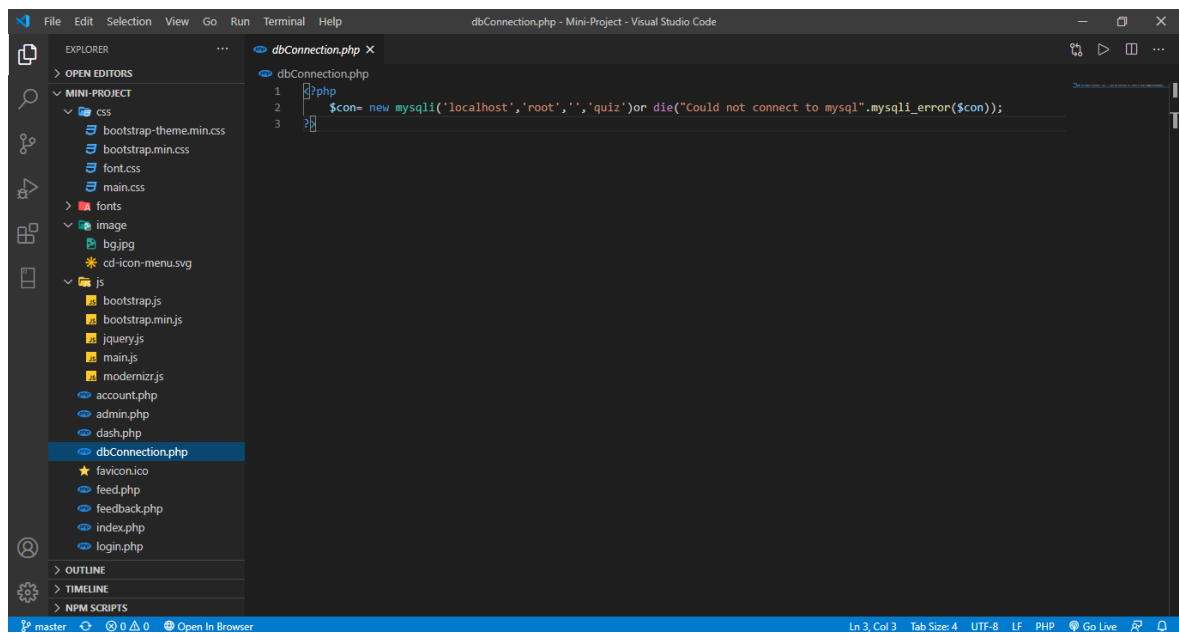
1  <?php
2  include_once 'dbConnection.php';
3  $ref = @$_GET['q'];
4  $username = $_POST['uname'];
5  $password = $_POST['password'];
6
7  $username = stripslashes($username);
8  $username = addslashes($username);
9  $password = stripslashes($password);
10 $password = addslashes($password);
11 $result = mysqli_query($con, "SELECT username FROM admin WHERE username = '$username' and password = '$password'");
12 $count = mysqli_num_rows($result);
13 if ($count == 1) {
14     session_start();
15     if (isset($_SESSION['username'])) {
16         session_unset();
17     }
18     $_SESSION["name"] = 'Admin';
19     $_SESSION["key"] = '54585c586829293a2d4c3b68543b316e2e7a2d277858545a36362e5f39';
20     $_SESSION["username"] = $username;
21     header("location:dash.php?q=0");
22 } else
23     header("location:$ref?u=Warning : Access denied");
24 }
    
```

- ‘dash.php’:

```

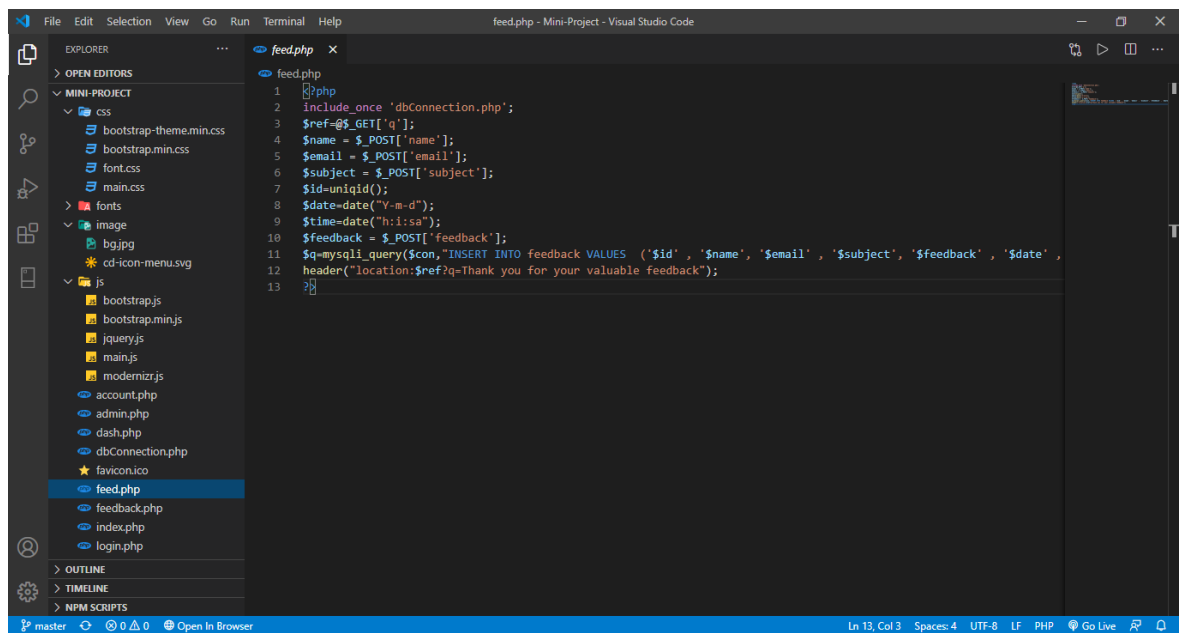
1  <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
2  <html xmlns="http://www.w3.org/1999/xhtml">
3  <head>
4  <link rel="icon" href="favicon.ico" type="image/icon" sizes="16x16">
5  <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
6  <meta name="viewport" content="width=device-width, initial-scale=1">
7
8  <title> Admin || Online Quiz Generator</title>
9  <link rel="stylesheet" href="css/bootstrap.min.css"/>
10 <link rel="stylesheet" href="css/bootstrap-theme.min.css"/>
11 <link rel="stylesheet" href="css/main.css">
12 <link rel="stylesheet" href="css/font.css">
13 <script src="js/jquery.js" type="text/javascript"></script>
14
15 <script src="js/bootstrap.min.js" type="text/javascript"></script>
16 <link href="http://fonts.googleapis.com/css?family=Roboto:400,700,300" rel="stylesheet" type="text/css">
17
18 <script>
19 $(function () {
20     $(document).on('scroll', function(){
21         console.log('scroll top : ' + $(window).scrollTop());
22         if($(window).scrollTop())>$(".logo").height())
23         {
24             $(".navban").addClass("navban-fixed-top");
25         }
26
27         if($(window).scrollTop())<$(".logo").height())
28         {
29             $(".navban").removeClass("navban-fixed-top");
30         }
31     });
32 }</script>
33 </head>
    
```

- ‘dbConnection.php’:



```
1 <code>?php</code>
2 <code>$con= new mysqli('localhost','root','','quiz')or die('Could not connect to mysql'.mysqli_error($con));</code>
3 <code>?</code>
```

- ‘feed.php’:



```
1 <code>?php</code>
2 <code>include_once 'dbConnection.php';</code>
3 <code>$ref=$_GET['q'];</code>
4 <code>$name = $_POST['name'];</code>
5 <code>$email = $_POST['email'];</code>
6 <code>$subject = $_POST['subject'];</code>
7 <code>$id=uniqid();</code>
8 <code>$date=date("Y-m-d");</code>
9 <code>$time=date("h:i:sa");</code>
10 <code>$feedback = $_POST['feedback'];</code>
11 <code>$q=mysqli_query($con,"INSERT INTO feedback VALUES ( '$id' , '$name' , '$email' , '$subject' , '$feedback' , '$date' ,</code>
12 <code>header("location:$ref?q=Thank you for your valuable feedback");</code>
13 <code>?</code>
```

- ‘feedback.php’:

```

1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <link rel="icon" href="favicon.ico" type="image/icon" sizes="16x16">
5 <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
6 <title>Online Quiz Generator</title>
7
8 <link rel="stylesheet" href="css/main.css">
9 <link rel="stylesheet" href="css/font.css">
10 <script src="js/jquery.js" type="text/javascript"></script>
11 <link rel="stylesheet" href="css/bootstrap.min.css">
12 <link rel="stylesheet" href="css/bootstrap-theme.min.css">
13 <script src="js/bootstrap.min.js" type="text/javascript"></script>
14 <link href="http://fonts.googleapis.com/css?family=Roboto:400,700,300" rel="stylesheet" type="text/css">
15 <?php
16 if (@$_GET['w']) {
17     echo '<script>alert(" . @$_GET['w'] . " );</script>';
18 }
19 ?>
20 </head>
21
22 <body>
23 <div class="row header">
24 <div class="col-lg-6">
25 <span class="logo">Online Quiz Generator</span></div>
26 <div class="col-md-2">
27 </div>
28 <div class="col-md-4">
29 <?php
30 include_once 'dbConnection.php';
31 session_start();
32 if ((isset($_SESSION['username']))) {
33     echo '<a href="#" class="pull-right login btn btn-primary" data-toggle="modal" data-target="#myModal" style="col:

```

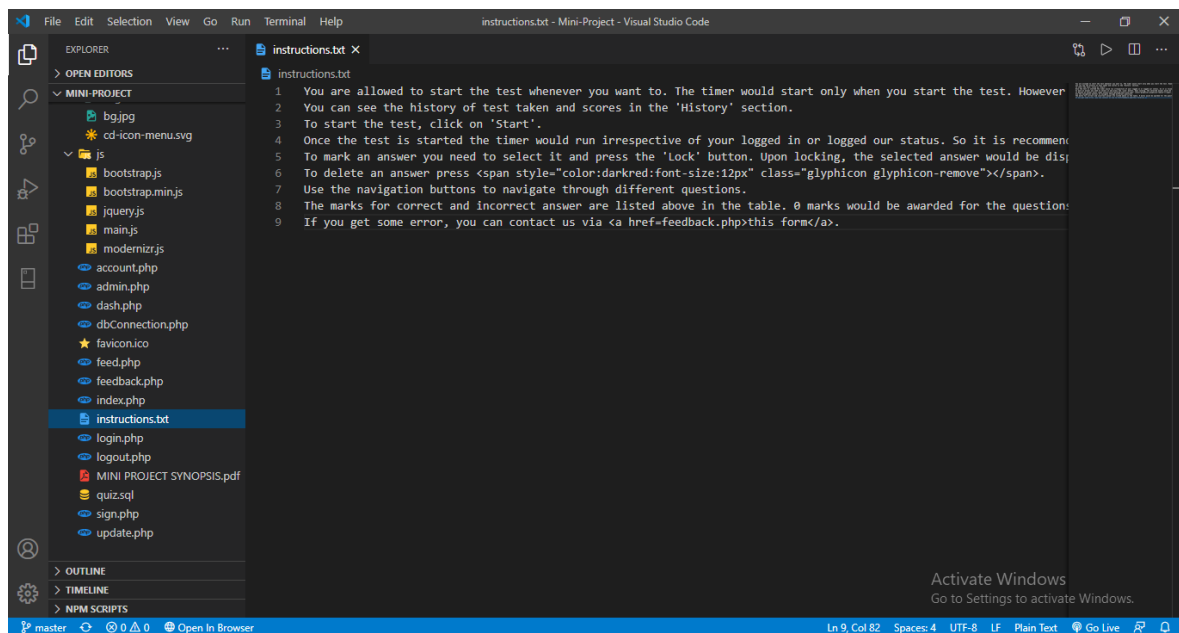
- ‘index.php’:

```

1 <?php
2 session_start();
3 if(isset($_SESSION['username']) && (isset($_SESSION['key']))) {
4     header("location:account.php?q=1");
5 }
6 else if(isset($_SESSION['username']) && (isset($_SESSION['key']) && $_SESSION['key'] == '54585c506829293a2d4c3b685431
7     header("location:dash.php?q=0");
8 }
9 else {
10 ?>
11 <?php
12 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional
13 <html xmlns="http://www.w3.org/1999/xhtml">
14 <head>
15 <link rel="icon" href="favicon.ico" type="image/icon" sizes="16x16">
16 <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
17 <meta name="viewport" content="width=device-width, initial-scale=1">
18 <title> Online Quiz Generator </title>
19
20 <link rel="stylesheet" href="css/main.css">
21 <link rel="stylesheet" href="css/font.css">
22 <script src="js/jquery.js" type="text/javascript"></script>
23 <link rel="stylesheet" href="css/bootstrap.min.css">
24 <link rel="stylesheet" href="css/bootstrap-theme.min.css">
25 <script src="js/bootstrap.min.js" type="text/javascript"></script>
26 <link href="http://fonts.googleapis.com/css?family=Roboto:400,700,300" rel="stylesheet" type="text/css">
27 <?php
28 if (@$_GET['w']) {
29     echo '<script>alert(" . @$_GET['w'] . " );</script>';
30 }
31 ?>
32 <script>
33 function validateForm() {

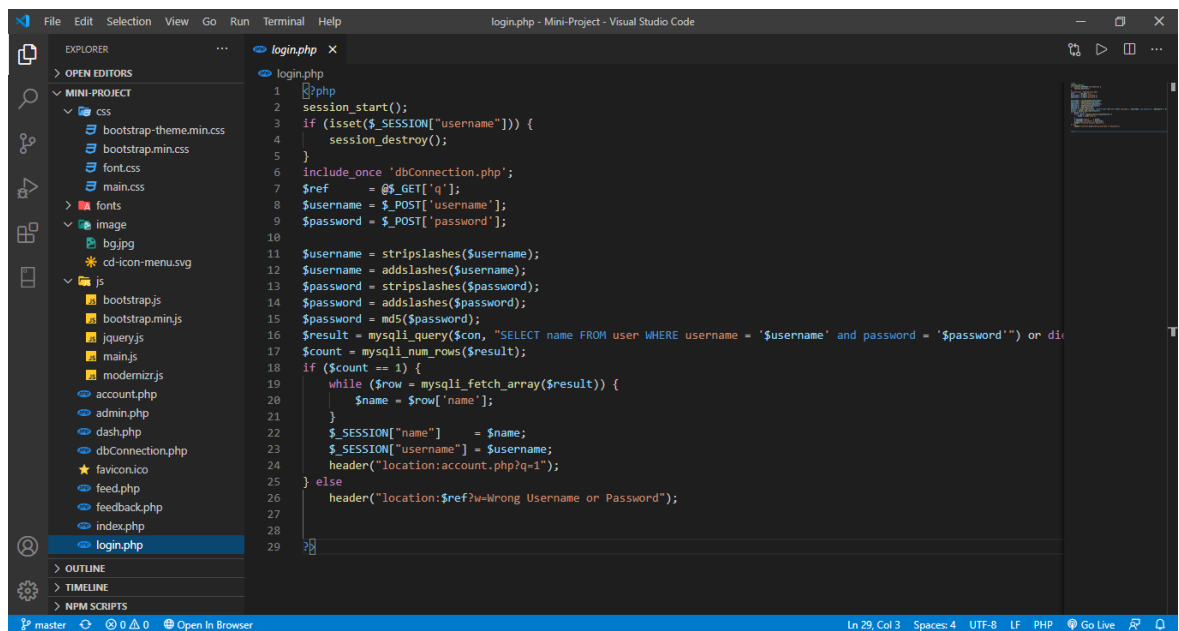
```

- ‘instructions.txt’:



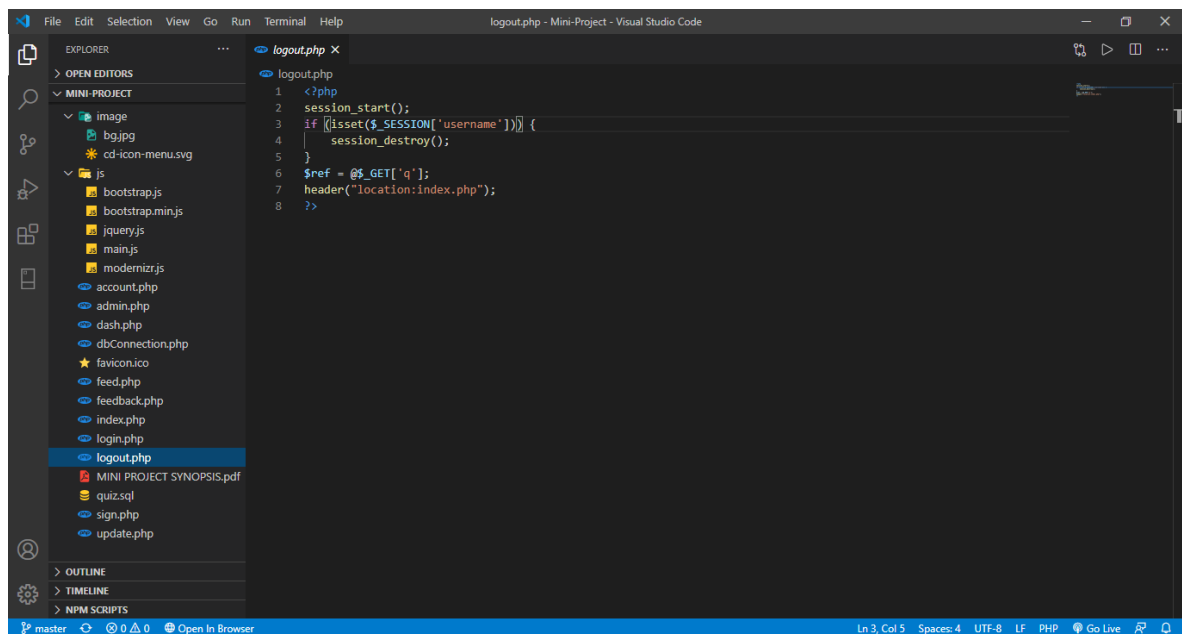
```
1 You are allowed to start the test whenever you want to. The timer would start only when you start the test. However
2 You can see the history of test taken and scores in the 'History' section.
3 To start the test, click on 'Start'.
4 Once the test is started the timer would run irrespective of your logged in or logged out status. So it is recommended
5 To mark an answer you need to select it and press the 'Lock' button. Upon locking, the selected answer would be displayed.
6 To delete an answer press <span style="color:darkred;font-size:12px" class="glyphicon glyphicon-remove"></span>.
7 Use the navigation buttons to navigate through different questions.
8 The marks for correct and incorrect answer are listed above in the table. 0 marks would be awarded for the question:
9 If you get some error, you can contact us via <a href=feedback.php>this form</a>.
```

- ‘login.php’:



```
1 <?php
2 session_start();
3 if (isset($_SESSION["username"])) {
4     session_destroy();
5 }
6 include_once 'dbConnection.php';
7 $ref = $_GET['q'];
8 $username = $_POST['username'];
9 $password = $_POST['password'];
10
11 $username = stripslashes($username);
12 $username = addslashes($username);
13 $password = stripslashes($password);
14 $password = addslashes($password);
15 $password = md5($password);
16 $result = mysql_query($con, "SELECT name FROM user WHERE username = '$username' and password = '$password'") or die(mysql_error());
17 $count = mysql_num_rows($result);
18 if ($count == 1) {
19     while ($row = mysql_fetch_array($result)) {
20         $name = $row['name'];
21     }
22     $_SESSION["name"] = $name;
23     $_SESSION["username"] = $username;
24     header("location:account.php?q=1");
25 } else {
26     header("location:$ref?w=Wrong Username or Password");
27 }
28
29 <?>
```

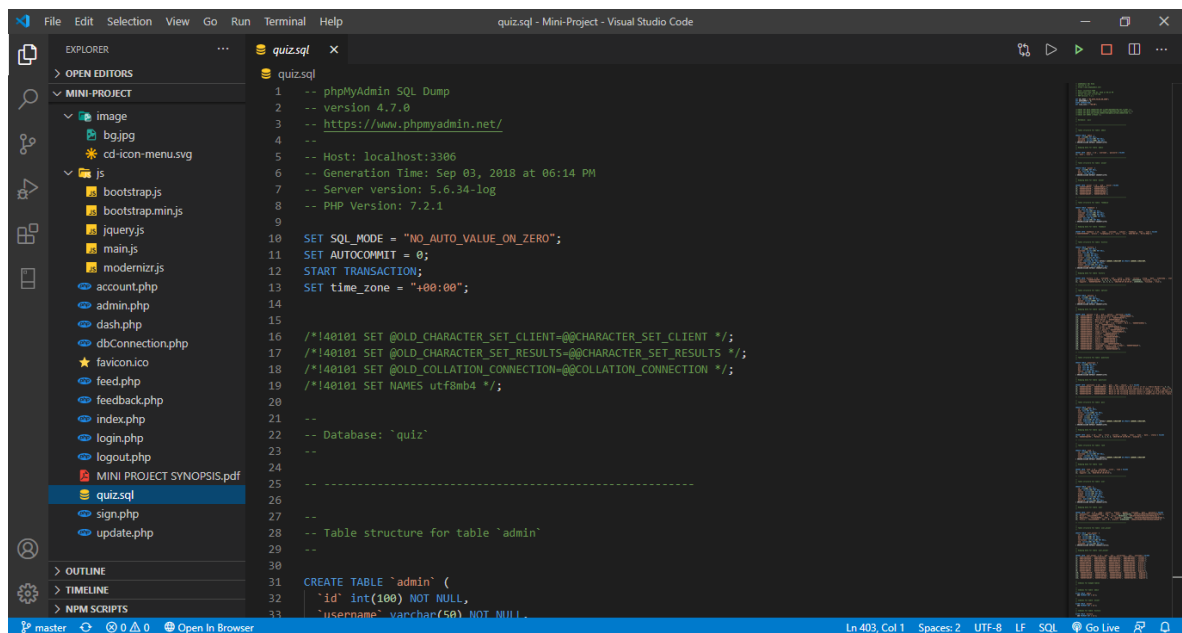
- ‘logout.php’:



```

1 <?php
2 session_start();
3 if (isset($_SESSION['username'])) {
4     session_destroy();
5 }
6 $ref = $_GET['q'];
7 header("location:index.php");
8 ?>
    
```

- ‘quiz.sql’:



```

1 -- phpMyAdmin SQL Dump
2 -- version 4.7.0
3 -- https://www.phpmyadmin.net/
4 --
5 -- Host: localhost:3306
6 -- Generation Time: Sep 03, 2018 at 06:14 PM
7 -- Server version: 5.6.34-log
8 -- PHP Version: 7.2.1
9
10 SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
11 SET AUTOCOMMIT = 0;
12 START TRANSACTION;
13 SET time_zone = "+00:00";
14
15
16 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
17 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
18 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
19 /*!40101 SET NAMES utf8mb4 */;
20
21 --
22 -- Database: `quiz`
23 --
24
25 -----
26
27 --
28 -- Table structure for table `admin`
29 --
30
31 CREATE TABLE `admin` (
32   `id` int(100) NOT NULL,
33   `username` varchar(50) NOT NULL,
    
```



- ‘sign.php’:

```

1  <?php
2  include_once 'dbConnection.php';
3  ob_start();
4  $name = $_POST['name'];
5  $name = ucwords(strtolower($name));
6  $gender = $_POST['gender'];
7  $username = $_POST['username'];
8  $phno = $_POST['phno'];
9  $password = $_POST['password'];
10 $branch = $_POST['branch'];
11 $rollno = $_POST['rollno'];
12 $name = stripslashes($name);
13 $name = addslashes($name);
14 $name = ucwords(strtolower($name));
15 $gender = stripslashes($gender);
16 $gender = addslashes($gender);
17 $username = stripslashes($username);
18 $username = addslashes($username);
19 $phno = stripslashes($phno);
20 $phno = addslashes($phno);
21 $password = stripslashes($password);
22 $password = addslashes($password);
23 $password = md5($password);
24
25 $q3 = mysqli_query($con, "INSERT INTO user VALUES (NULL, '$name', '$rollno', '$branch', '$gender', '$username', '$phno', '$password')");
26 if ($q3) {
27     session_start();
28     $_SESSION["username"] = $username;
29     $_SESSION["name"] = $name;
30
31     header("location:account.php?q=1");
32 } else {
33     header("location:index.php?q=7&Isername_already_exists_Please_choose_another&name=$name&username=$username&gender=$gender&phno=$phno&password=$password&branch=$branch&rollno=$rollno");

```

- ‘update.php’:

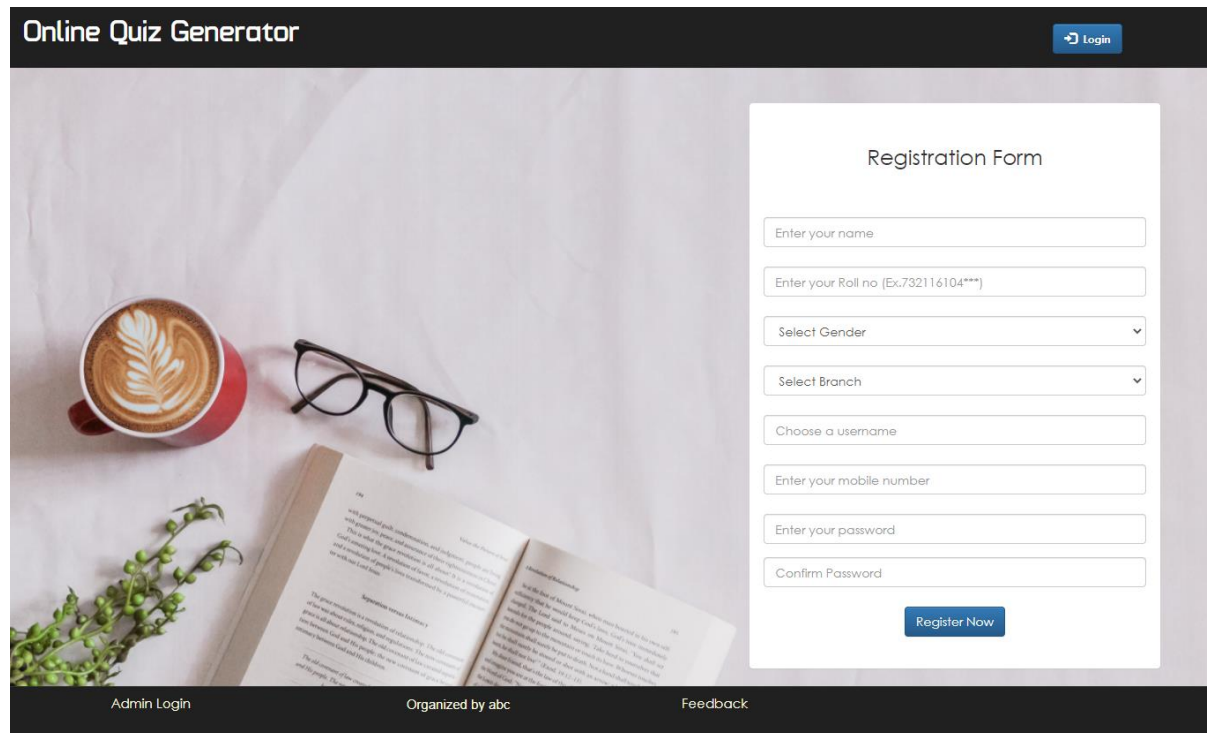
```

1  <?php
2  include_once 'dbConnection.php';
3
4  session_start();
5  $username = $_SESSION['username'];
6  if (isset($_SESSION['key'])) {
7      if (@$_GET['fdid'] && $_SESSION['key'] == '54585c506829293a2d4c3b68543b316e2e7a2d277858545a36362e5f39') {
8          $fid = @$_GET['fdid'];
9          $result = mysqli_query($con, "DELETE FROM feedback WHERE id='$fid' ") or die('Error');
10         header("location:dash.php?q=3");
11     }
12 }
13 if (isset($_SESSION['key'])) {
14     if (@$_GET['deidquiz'] && $_SESSION['key'] == '54585c506829293a2d4c3b68543b316e2e7a2d277858545a36362e5f39') {
15         $eid = @$_GET['deidquiz'];
16         $r1 = mysqli_query($con, "UPDATE quiz SET status='disabled' WHERE eid='$eid' ") or die('Error');
17         $q = mysqli_query($con, "SELECT * FROM history WHERE eid='$eid' AND status='ongoing' AND score_updated='false'");
18         while($row = mysqli_fetch_array($q)){
19             $user = $row['username'];
20             $s = $row['score'];
21             $r1 = mysqli_query($con, "UPDATE history SET status='finished',score_updated='true' WHERE eid='$eid' AND user='$user'");
22             $q1 = mysqli_query($con, "SELECT * FROM rank WHERE username='$user' ") or die('Error161');
23             $rowcount = mysqli_num_rows($q1);
24             if ($rowcount == 0) {
25                 $q2 = mysqli_query($con, "INSERT INTO rank VALUES(NULL, '$user', '$s', NOW())") or die('Error165');
26             } else {
27                 while ($row = mysqli_fetch_array($q1)) {
28                     $sun = $row['score'];
29
30                     $sun = $s + $sun;
31                     $q3 = mysqli_query($con, "UPDATE 'rank' SET 'score'=$sun ,time=NOW() WHERE username= '$username'");

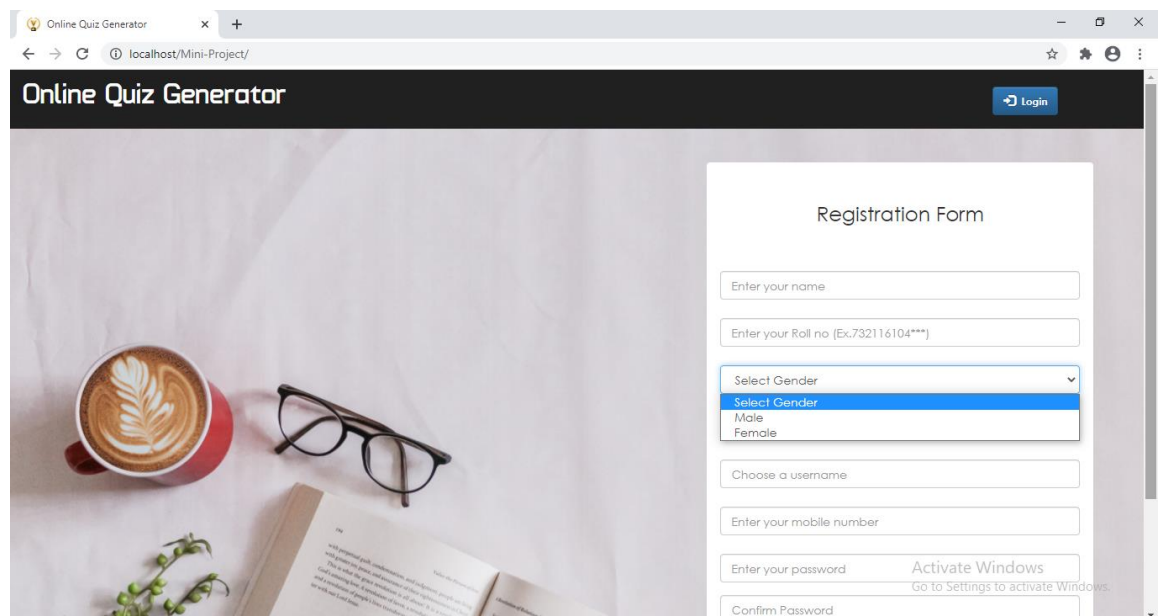
```

## 6.2 Output Screenshots:

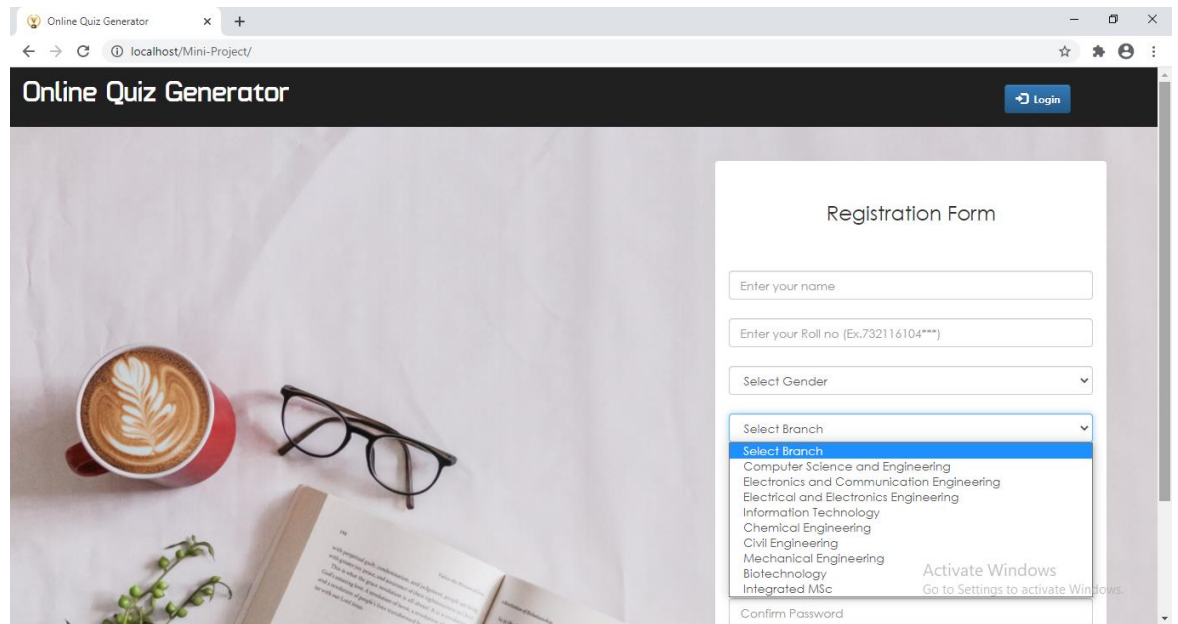
- Index page:



The screenshot displays the 'Online Quiz Generator' web application. The header features the title 'Online Quiz Generator' and a 'Login' button. The main content area is divided into two sections: a background image of a red coffee cup, glasses, and an open book on the left, and a 'Registration Form' on the right. The form includes input fields for 'Enter your name', 'Enter your Roll no (Ex:732116104\*\*\*\*)', a 'Select Gender' dropdown menu, a 'Select Branch' dropdown menu, 'Choose a username', 'Enter your mobile number', 'Enter your password', and 'Confirm Password'. A 'Register Now' button is located at the bottom of the form. The footer contains links for 'Admin Login', 'Organized by abc', and 'Feedback'.



This screenshot shows the same 'Online Quiz Generator' web application, but with the 'Select Gender' dropdown menu open. The menu displays three options: 'Select Gender', 'Male', and 'Female'. The 'Male' option is currently selected. The rest of the page, including the header, background image, other form fields, and footer, remains the same as in the previous screenshot.



Online Quiz Generator

Login

### Registration Form

Enter your name

Enter your Roll no (Ex:732116104\*\*\*\*)

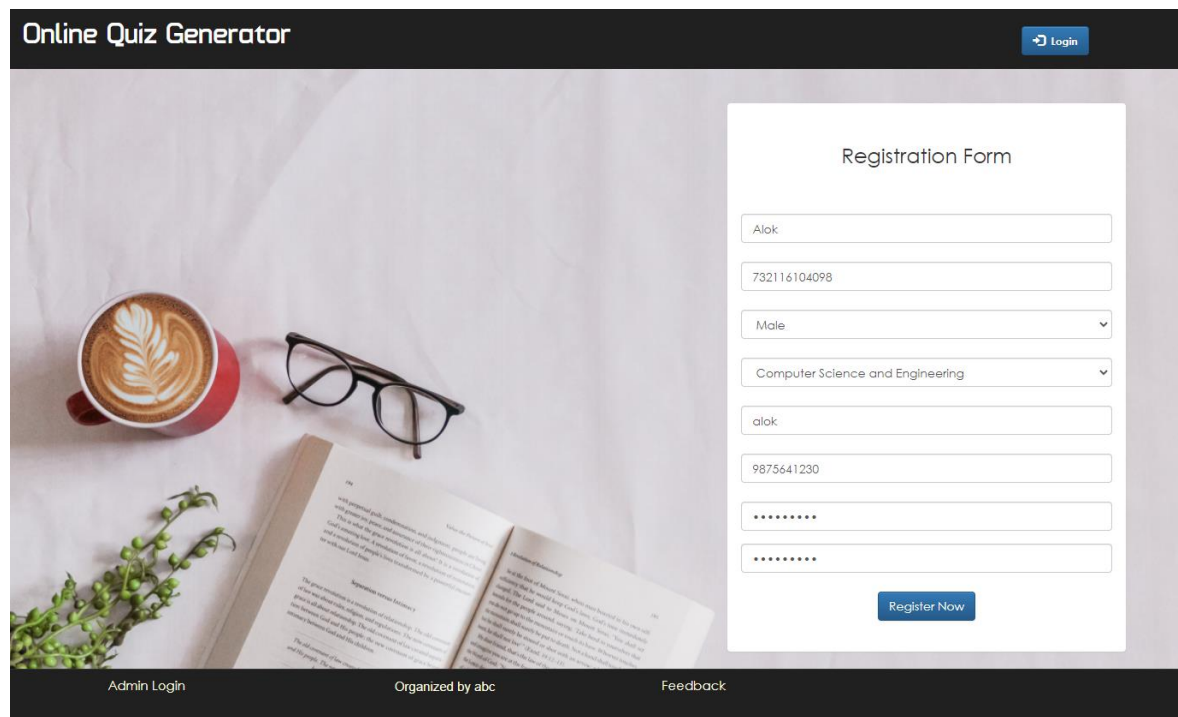
Select Gender

Select Branch

- Computer Science and Engineering
- Electronics and Communication Engineering
- Electrical and Electronics Engineering
- Information Technology
- Chemical Engineering
- Civil Engineering
- Mechanical Engineering
- Biotechnology
- Integrated MSc

Confirm Password

Activate Windows  
Go to Settings to activate Windows.



Online Quiz Generator

Login

### Registration Form

Alok

732116104098

Male

Computer Science and Engineering

alok

9875641230

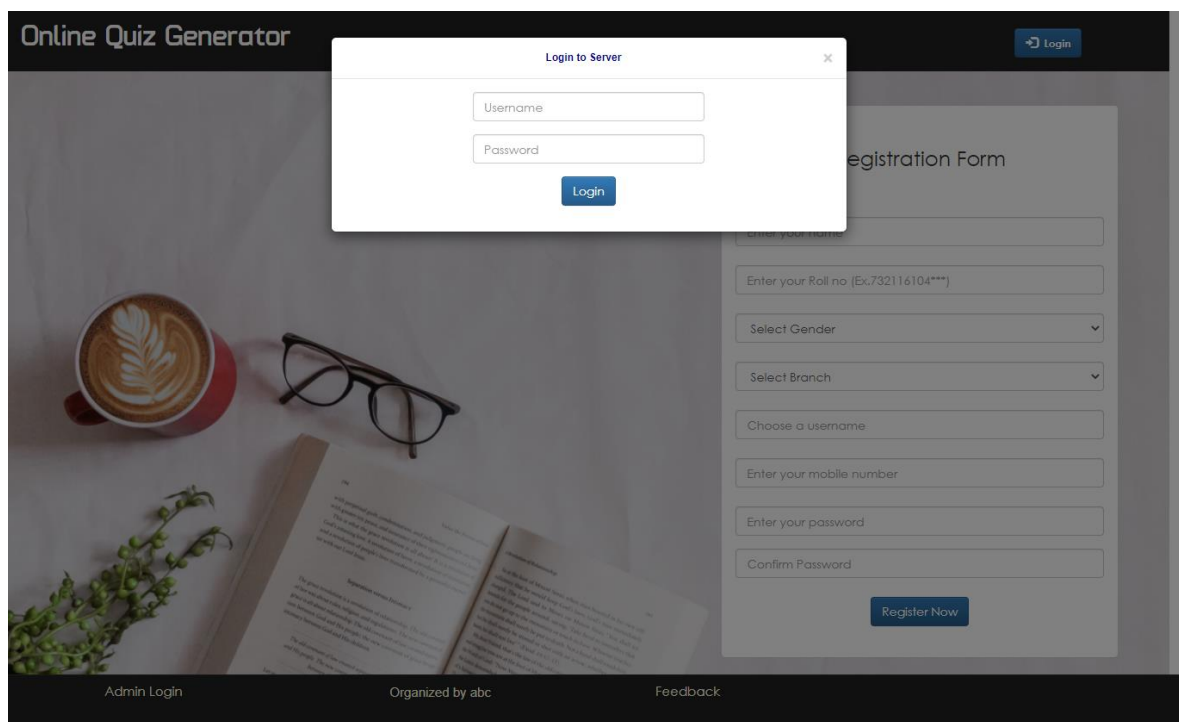
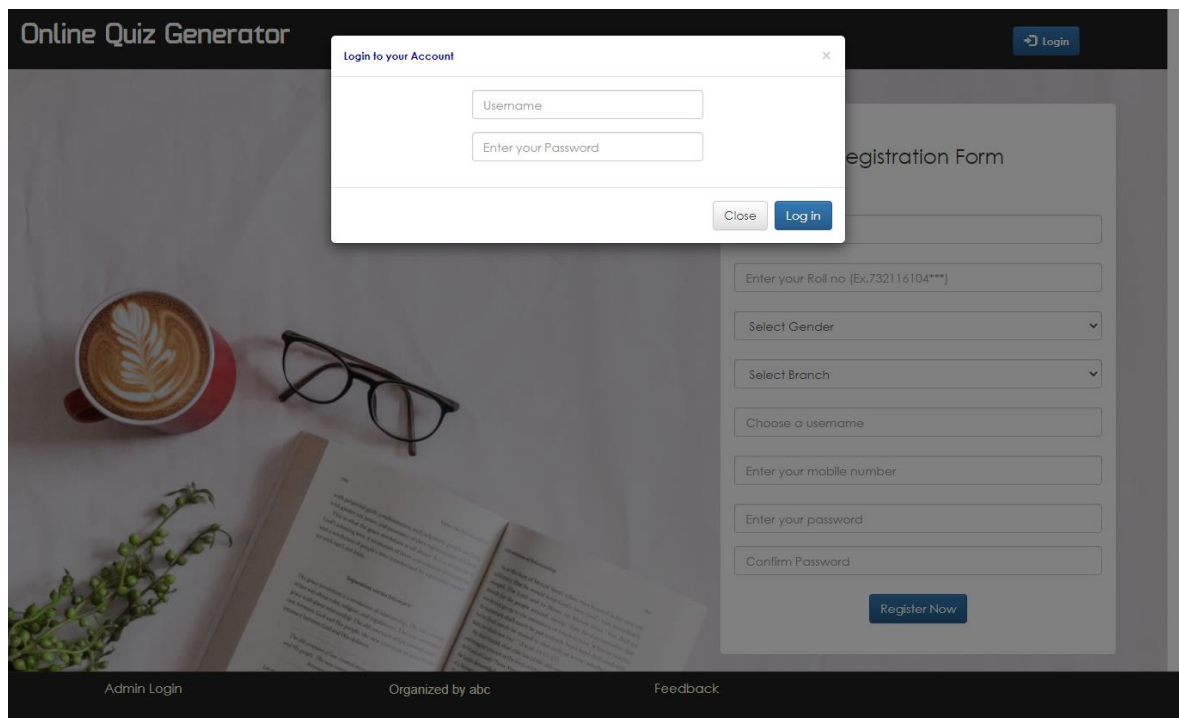
\*\*\*\*\*

\*\*\*\*\*

Register Now

Admin Login      Organized by abc      Feedback

- Login Screens:



Online Quiz Generator

Home Login

### FEEDBACK

Name:

Subject:

E-Mail ID:

Write feedback here. Keep it clean and simple.

Organized by abc [Feedback](#)

- Admin Pages:

Online Quiz Generator

Login

#### Login to Server

#### Registration Form

Select Gender

Select Branch

Admin Login Organized by abc Feedback

Online Quiz Generator

[Hello, Admin](#) | [Logout](#)

[Dashboard](#)
[Home](#)
[Users](#)
[Leaderboard](#)
[Feedback](#)
[Add Quiz](#)
[Remove Quiz](#)

S.N.	Name	Total question	Marks	Time limit	Status	Action
1	Python	5	15	2 min	Enabled	<a href="#">Disable</a>

Online Quiz Generator

[Hello, Admin](#) | [Logout](#)

[Dashboard](#)
[Home](#)
[Users](#)
[Leaderboard](#)
[Feedback](#)
[Add Quiz](#)
[Remove Quiz](#)

S.N.	Name	Gender	Rollno	Branch	Username	Phno	
1	Alok	M	732116104098	CSE	alok	9875641230	<a href="#">Delete</a>
2	Kadhamburi	M	732116104026	ECE	kadhu	9887661361	<a href="#">Delete</a>
3	Kiran	M	732116104022	CSE	kiran	9876543212	<a href="#">Delete</a>
4	Mugunthan	M	732116104036	CSE	mugunth	9514444471	<a href="#">Delete</a>
5	Pravin	M	732116104049	CSE	pravin	8769891099	<a href="#">Delete</a>

Online Quiz Generator



[Hello, Admin](#) | [Logout](#)

[Dashboard](#)
[Home](#)
[Users](#)
[Leaderboard](#)
[Feedback](#)
[Add Quiz](#)
[Remove Quiz](#)

Rank	Name	Branch	Username	Roll number	Gender	Score
1	Mugunthan	CSE	mugunth	732116104036	M	11
2	Pravin	CSE	pravin	732116104049	M	3

Online Quiz Generator Hello, Admin | Logout

Dashboard Home Users Leaderboard **Feedback** Add Quiz Remove Quiz

S.N.	Subject	Username	Date	Time	By	Action
1	yftu	fyvgh@vgyvy.in	29-08-2018	03:41:09pm	pravin	 

Online Quiz Generator Hello, Admin | Logout

Dashboard Home Users Leaderboard Feedback **Add Quiz** Remove Quiz

### Enter Quiz Details

Enter Quiz title

Enter total number of questions

Enter marks on right answer

Enter minus marks on wrong answer without sign

Enter time limit for test in minute

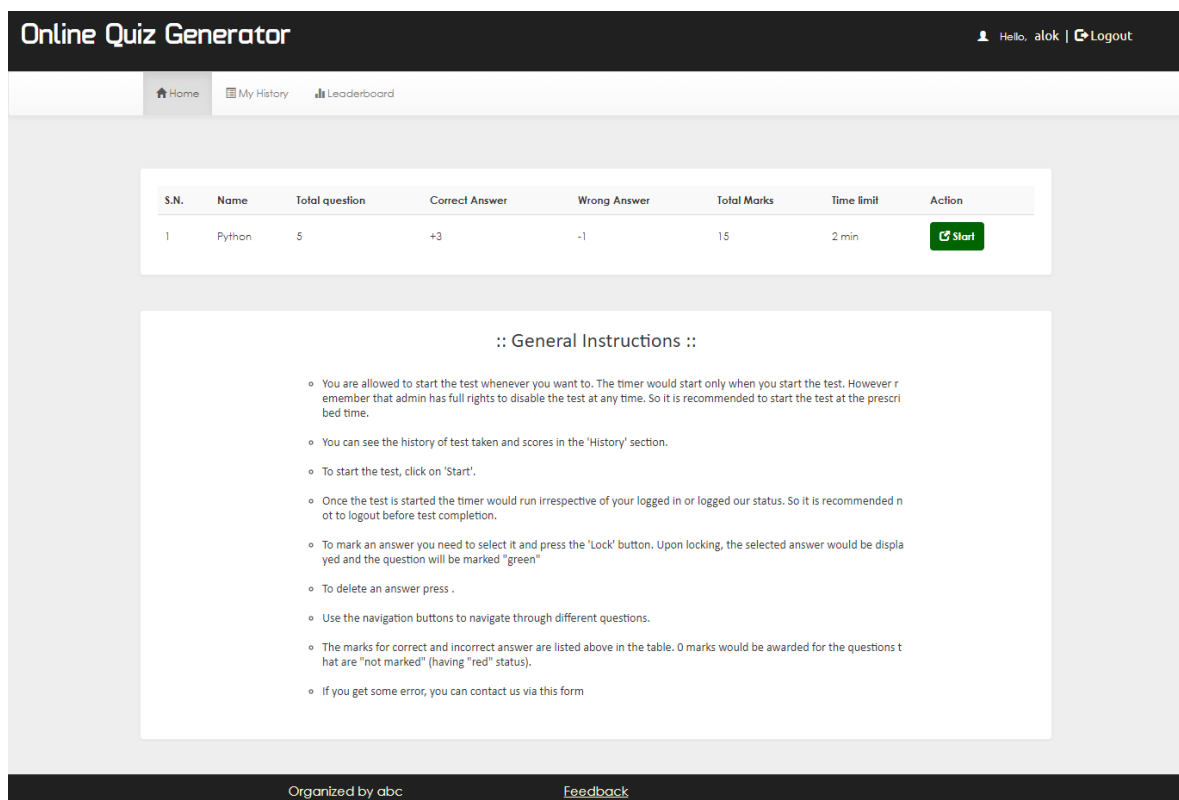
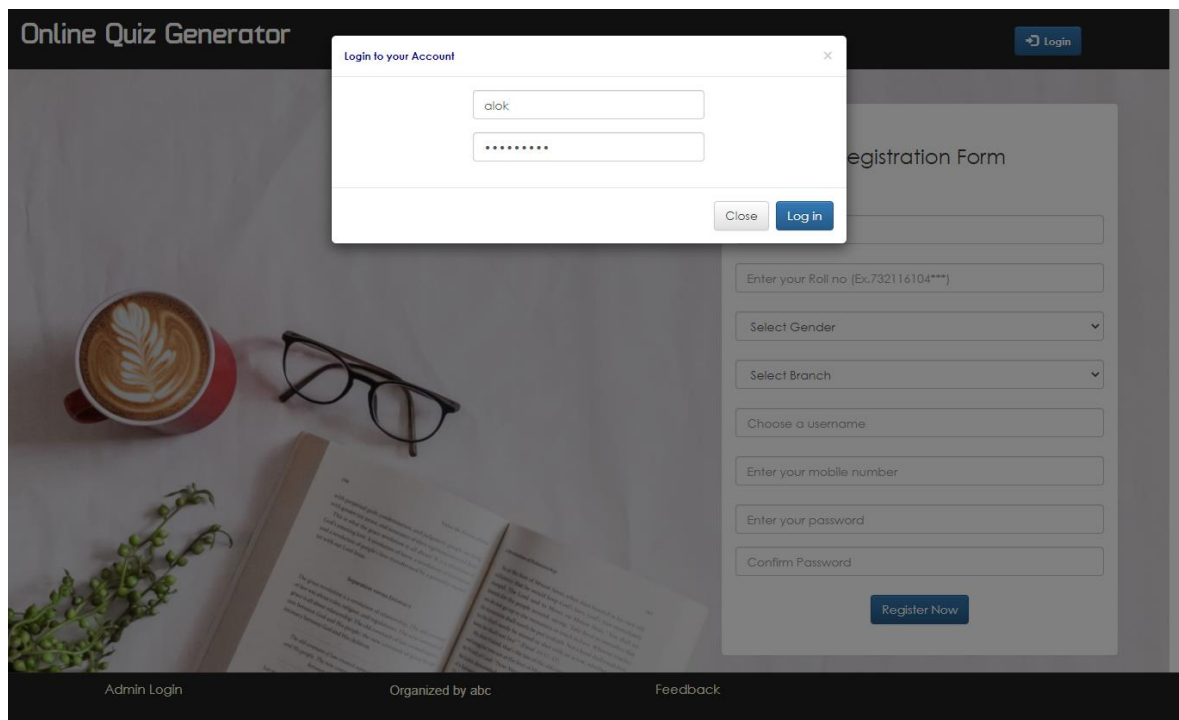
**Submit**

Online Quiz Generator Hello, Admin | Logout

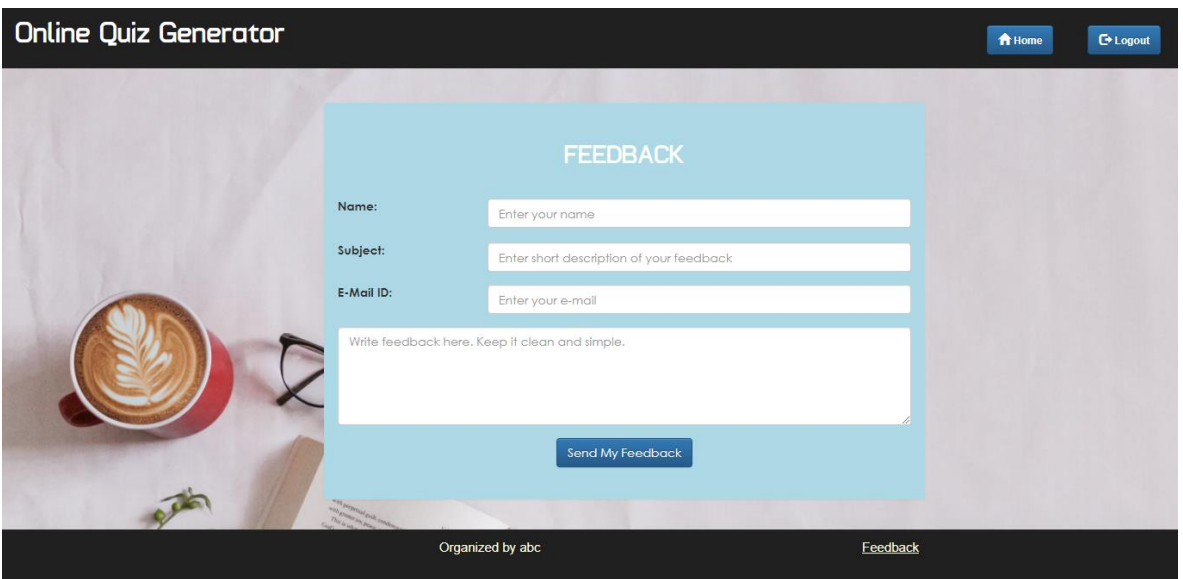
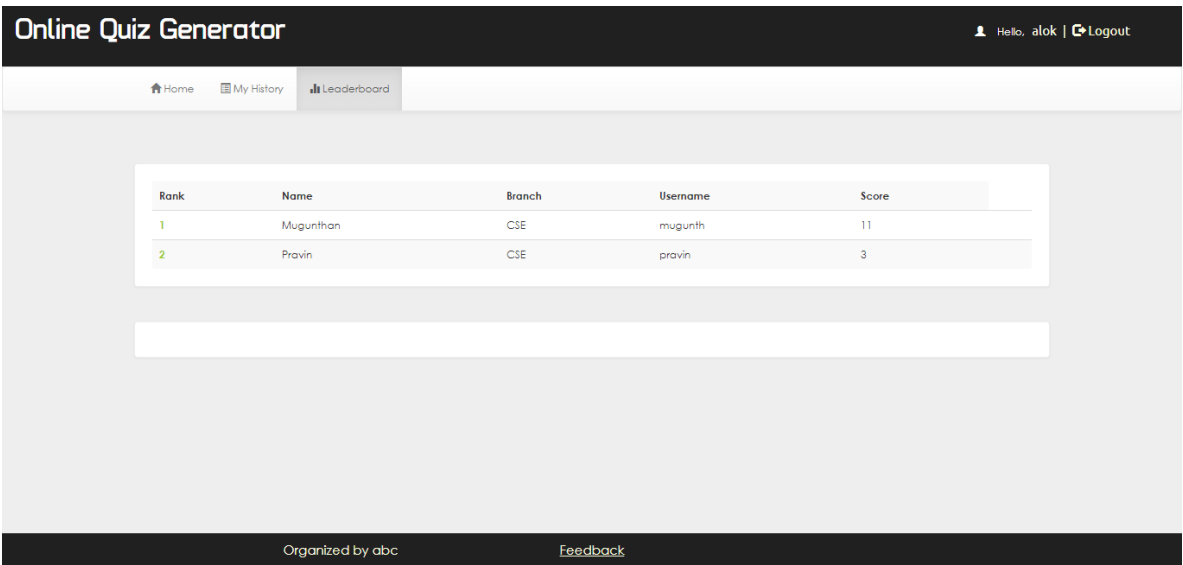
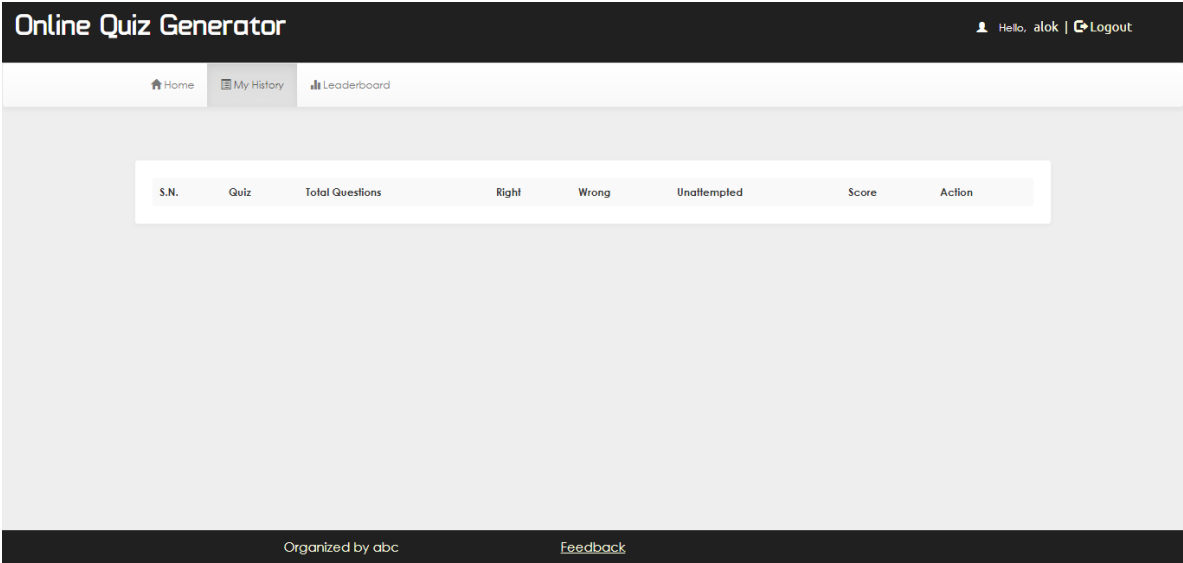
Dashboard Home Users Leaderboard Feedback Add Quiz **Remove Quiz**

S.N.	Topic	Total question	Marks	Time limit	Action
1	Python	5	15	2 min	<b>Remove</b>

- Student Pages:







## 7. References

We referred to the following resources:

- Our ongoing Full-Stack lectures and lab assignments
- Website for Web-development: <https://www.beta-labs.in/>
- Google search
- YouTube videos
- Website: <https://www.w3schools.com/>
- Course for Full-Stack Development on Udemy
  1. Course name: The Complete 2020 Web Development Bootcamp  
Link: <https://www.udemy.com/course/the-complete-web-development-bootcamp/>  
Attended By: Pratibha Dixit
  2. Course name: Web Development Masterclass- Complete Certificate Course  
Link: <https://www.udemy.com/course/web-development-masterclass-complete-certificate-course/>  
Attended By: Megha Kansal