

Patuakhali Science and Technology University



Faculty of Computer Science and Engineering

Course Code: CCE 224

Course Title: Database System Sessional

Project Report On: Online Quiz System

Submitted to:

Golam Md. Muradul Bashir

Professor

Department of Computer and Communication Engineering

Faculty of Computer Science and Engineering, PSTU

Dr. Md. Samsuzzaman

Professor

Department of Computer and Communication Engineering

Faculty of Computer Science and Engineering, PSTU

Submitted by:

Lamia Fatiha

ID No.: 1802026

Reg. No.: 08436

Level-2, Semester -2

Acknowledgements

A warm felicitation goes from me to acknowledge the people, who hold the desirability for encouraging, praising, assisting as well as believing me on the tasks of developing a database project. First of all, I would like to take the opportunity to thank my course supervisor, Golam Md. Muradul Bashir, Professor, Department of Computer and Communication Engineering and Dr. Md. Samsuzzaman, Professor, Department of Computer and Communication Engineering, Patuakhali Science and Technology University to give me the scope to develop a database project.

Finally numerous thanks and gratitude to the Almighty for paving me way to successfully finish my report.

Project Title: Online Quiz System.

Abstract

Online Quiz System is a web-based quiz system for accessing students. It is a system by which students can sit in a quiz which need no pencil and paper. Nowadays, students take quiz manually .Lecturers need spend more time on grading. Other than that, the quiz paper maybe will be missing. Students need to wait for lecturers finish grading to get their result. Therefore, this system will help lecturers save their time because of automated marking. Lecturers can set up a quiz which is it will auto-grade itself. Students can answer the quiz from any location and get fast result. This online quiz system is using rule-based algorithm to interpret information in a useful way. Rule based algorithm used in this system is short answer based on keyword.

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

Table of Content

Chapter No.	Index	Page No.
01	Introduction	04
02	Objectives	05
03	Requirements	05-06
04	Data Flow Diagram	06-07
05	ER Diagram	08
06	Project Modules	08-09
07	Benefits	09
08	Limitations	09-10
09	Database Design	10
10	Interface Design	11-30
11	Future works	31
12	Conclusion	31

Chapter-01

Introduction

Nowadays, a lot of universities in our country and each of the university consist of student up to two thousand students. In order to handle a large amount of student may cause a lot of problems especially in management of the quiz manually. Currently, almost all universities in our country using the manual procedure to setup quiz for students. The manual procedure means in every quiz, students must attend university to sit in the quiz at a specific time. After that, lecturers will collect quiz paper. Sometimes, there are students does not attend university for a reason and lecturers assumed the students absent for that quiz. This scenario is unfair for student that missed the quiz. So the suitable solution for this problem is by design a system that all student can sit in a quiz from any location.

Online Quiz System is a web-based quiz system that can be used by lecturers to evaluate students effectively, efficiently and perfectly.

The purpose of Online Quiz System is to save lecturer's time since the answers are automatically marked. The performance of the application will be fully control by administrator and administrator can guaranty any one to access. The project will reduce the manual process in managing examinations and all issues regarding that.

Chapter-02

Objectives

The Online Quiz System project is one of the popular and effective extra-curricular activities that take place among students and between students and teachers. The comprehension level of students and learning outcomes are largely influenced and led forward to the future by participating in the quiz competition. The online test tool is effective and easy to handle for the teachers. The purpose of the project is to build an application to reduce the manual work for managing the system and we will follow to achieve these objectives in this project.

- ✓ To create an appropriate platform for best managing of MCQ test;
- ✓ To overcome the time consuming issues and taking MCQ tests;
- ✓ To release the marks of the test taker as soon as possible;
- ✓ To manage the information of different tests.

Chapter-03

Requirements

As the functional requirement currently we have indicated:

Front end:

1. HTML
2. CSS
3. Javascript

Library/Framework:

1. Bootstrap 5
2. Ajax

Back end:

1. PHP
2. MySQL

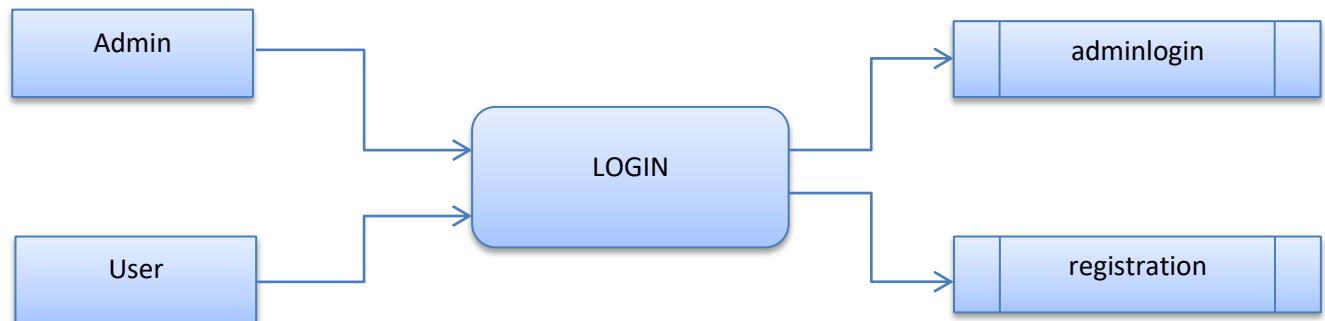
Software used:

1. Xampp
2. Visual Studio Code
3. Chrome (Web Browser)
4. Apache (Web Server)

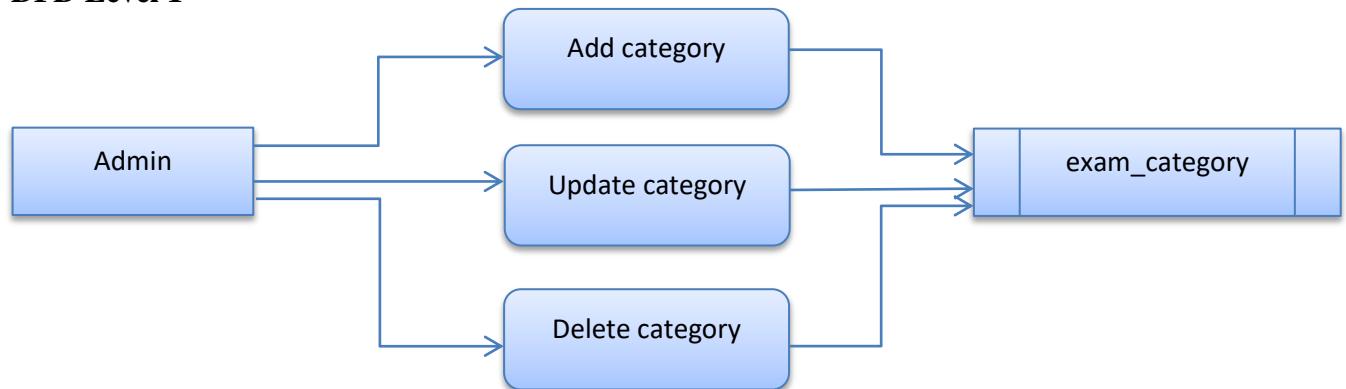
Chapter-04

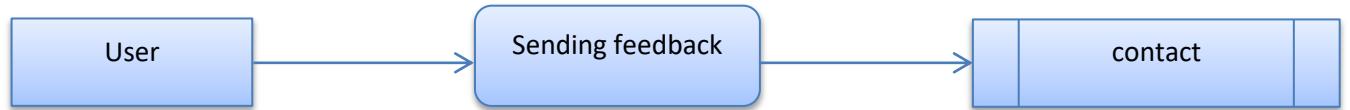
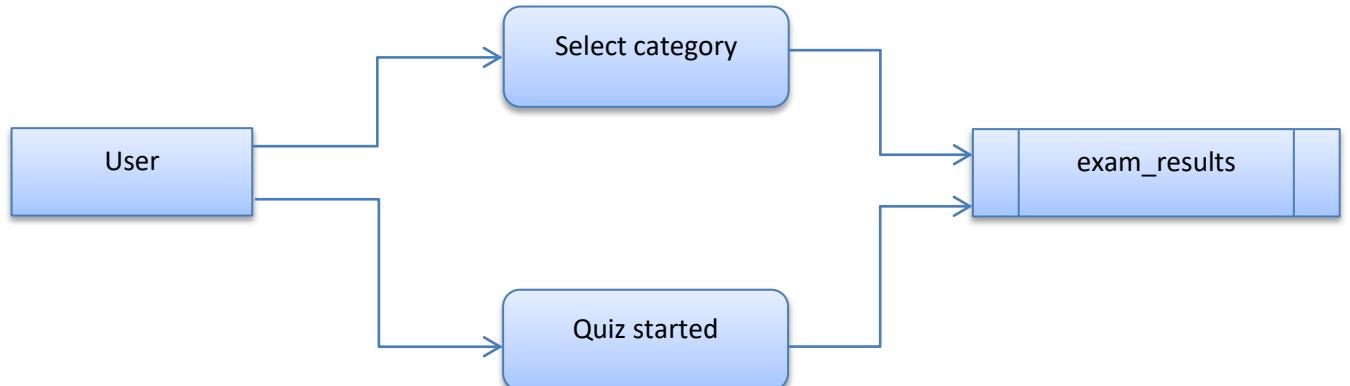
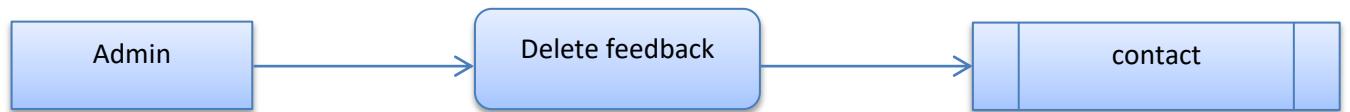
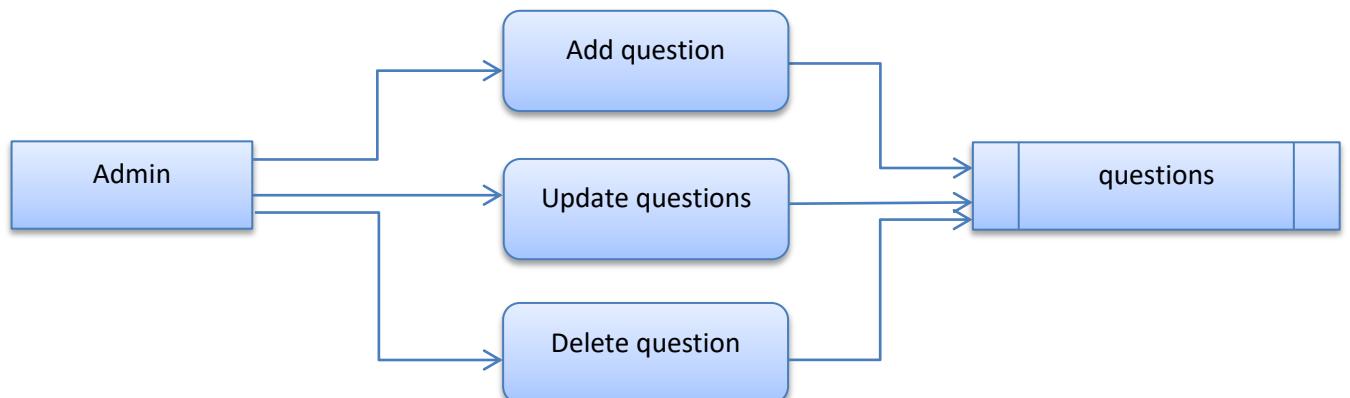
Data Flow Diagram

DFD Level 0



DFD Level 1





Chapter-05

Entity Relationship Diagram

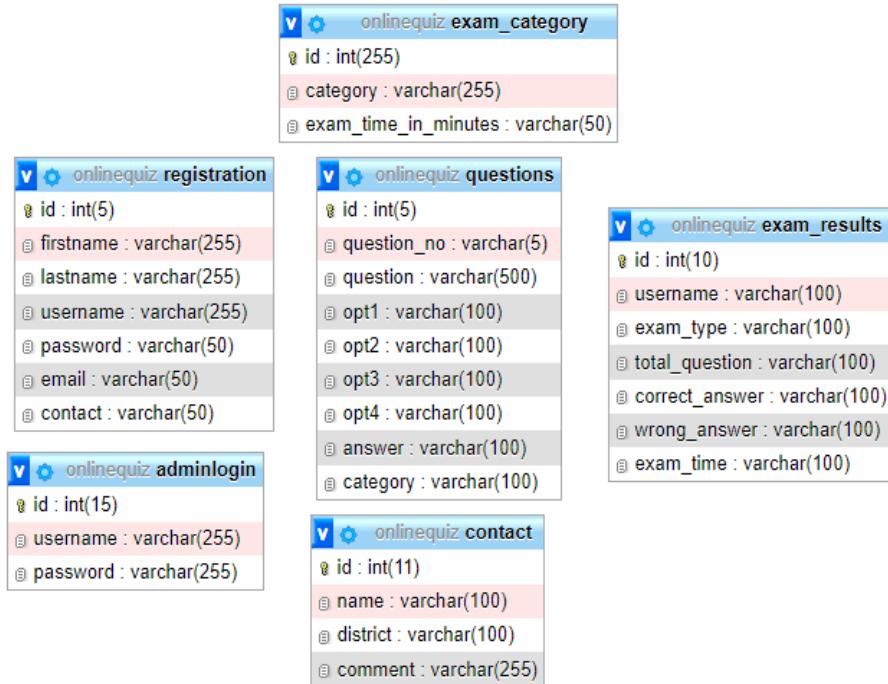


Figure 1: Entity relationship diagram

Chapter-06

Project Modules

- Admin
 - Admin can login in the system.
 - Admin can add quiz category.
 - Admin can manage quiz category.
 - Admin can add questions.
 - Admin can edit questions.
 - Admin can show all results.
 - Admin can show all feedbacks.

- Students
 - Students can login in the system.
 - Students can choose quiz category.
 - Students can answer quiz in the system.
 - Students can view their current and all old results
 - Students can give feedbacks

Chapter-07

Benefits of implementing Online Quiz System

- Exam Candidates are used to Digital.
- Reduced Administrative Burden.
- Quicker to Mark and Issue Results.
- Collaborative Question Authoring.
- Automated Test Assembly Tools.
- On-Screen Marking Tools.
- It's More Environmentally Friendly.
- Scalable
- Increased Security.
- Flexibility to Take Exams Anywhere
- Assessment Reporting.
- Cost Effectiveness

Chapter-08

Limitations

- Requires large database.
- The admin has to keep updating the information by entering the details in the system.

- Single admin access.
- Only MCQ type question can be added.
- Need Internet connection.
- Excel report has not been developed due to some criticality

Chapter-09

Online Quiz System Database design

Table	Action	Rows	Type	Collation	Size	Overhead
adminlogin	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
contact	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	16.0 KiB	-
exam_category	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-
exam_results	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
questions	Browse Structure Search Insert Empty Drop	7	InnoDB	utf8mb4_general_ci	16.0 KiB	-
registration	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-
6 tables	Sum	25	InnoDB	utf8mb4_general_ci	96.0 KiB	0 B

Figure 2: Back end database of Online Quiz System

Code of Database connection

```

1 <?php
2
3     $conn = mysqli_connect("localhost","root","","onlinequiz");
4
5 ?>

```

Figure 3: Back end database connection

Chapter-10

Interface design (For Student)

The image displays the front-end design of QuizClan, a platform for students. At the top, there's a navigation bar with links for Home, About, Education, and Contact. The main header is "Take Part In A Quiz". Below it, a central illustration shows three children interacting with large books; one is climbing a book, another is standing on a stack of books holding a flag, and a third is standing next to a single book. To the left of the main area, there are four cards with icons and text: "100+ QUIZES" (with a clipboard icon), "FINISH ON TIME" (with a clock icon), "CERTIFICATION" (with a graduation cap icon), and "SECURE" (with a shield icon). Below these cards is a large, colorful illustration of three students working together at a desk, surrounded by lightbulbs and gears, symbolizing learning and innovation. To the right of this illustration is a call-to-action button labeled "Participate Now". The bottom section contains two forms: "CONTACT US" with fields for phone number (+88 12345678) and email (quizclan1234@gmail.com), and "YOUR FEEDBACK" with fields for name, district, comment, and a "SUBMIT" button. The footer is dark blue with the copyright notice: "© 2022. All Rights Reserved by LamiaFatha".

Figure 4: Front end design

Registration Module for students

Register Now

FirstName	
LastName	
Username	
Password	
Email	
Contact	
Register	
already registered? Login	

Figure 5: Student registration form

Back End Query for Login Module

```

1  <?php
2  if(isset($_POST["submit1"]))
3  {
4      $count= 0;
5      $res = mysqli_query($conn, "SELECT * from registration where
6      username='".$_POST[username']."'") or die(mysqli_error($conn));
7      $count = mysqli_num_rows($res);
8
9      if($count>0)
10     {
11         ?>
12         <script type="text/javascript">
13             document.getElementById("success").style.display="none";
14             document.getElementById("failure").style.display="block";
15         </script>
16         <?php
17     }
18     else
19     {
20         mysqli_query($conn, "INSERT into registration
21         values(NULL,'$_POST[firstname]','$_POST[lastname]',
22         '$_POST[username]','$_POST[password]','$_POST[email]',
23         '$_POST[contact]')") or die(mysqli_error($conn));
24         ?>
25         <script type="text/javascript">
26             document.getElementById("failure").style.display="none";
27             document.getElementById("success").style.display="block";
28         </script>
29         <?php
30     }
31 }
32 ?>
33 ?>
```

Figure 6: Back end query for saving information of registration form

Login Module for students

QuizClan LOGIN FORM

The screenshot shows a login form titled "QuizClan LOGIN FORM". It contains two input fields: "Username" with the value "fatih26" and "Password" with the value "...". Below the fields are two buttons: "Login" and "Register".

Figure 7: Student login form

Back End Query for Login Module

```

1 <?php
2     if(isset($_POST["login"]))
3     {
4         $count= 0;
5         $res = mysqli_query($conn, "SELECT * from registration where
6             username='".$_POST[username]' && password='".$_POST[password]."'")
7         or die(mysqli_error($conn));
8         $count = mysqli_num_rows($res);
9
10        if($count==0)
11        {
12            ?>
13            <script type="text/javascript">
14                document.getElementById("failure").style.display="block";
15            </script>
16            <?php
17        }else
18        {
19            $_SESSION["username"]=$_POST["username"];
20            ?>
21            <script type="text/javascript">
22                window.location="select_exam.php"
23            </script>
24            <?php
25        }
26    }
27 ?>
```

Figure 8: Back end query for login form

Select quiz category interface

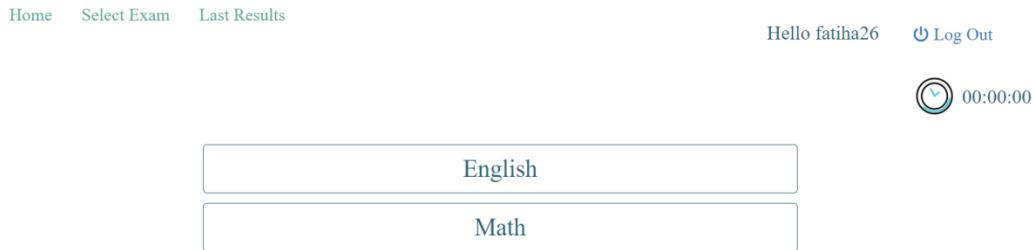


Figure 9: Select quiz category

Back end query for Select quiz category

```

1 <?php
2     $res=mysqli_query($conn,"select * from exam_category");
3     while($row=mysqli_fetch_array($res))
4     {
5         ?>
6         <input type="button" class="btn btn-block" value="<?php echo $row["category"]; ?>" 
7             style="margin-top: 10px; background-color: #fff;
8             color: #2b6777; border:1px solid #2b6777;font-size:25px;height:50px;" 
9             onclick="set_exam_type_session(this.value);">
10            <?php
11        }
12    ?>

```

Figure 10: Back end query of select quiz category

Interface after Starting a quiz



Figure 11: On going quiz interface

Back end code for Quiz questions, options

```

1 <script type="text/javascript">
2     function load_total_que()
3     {
4         var xmlhttp=new XMLHttpRequest();
5         xmlhttp.onreadystatechange=function() {
6             if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
7                 document.getElementById("total_que").innerHTML=xmlhttp.responseText;
8             }
9         };
10        xmlhttp.open("GET","forajax/load_total_que.php",true);
11        xmlhttp.send(null);
12    }
13
14    var questionno="1";
15    load_questions(questionno);
16    function load_questions(questionno)
17    {
18        document.getElementById("current_que").innerHTML=questionno;
19        var xmlhttp=new XMLHttpRequest();
20        xmlhttp.onreadystatechange=function() {
21            if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
22                if(xmlhttp.responseText=="over")
23                {
24                    window.location="result.php";
25                }
26                else
27                {
28                    document.getElementById("load_questions").innerHTML=xmlhttp.responseText;
29                    load_total_que();
30                }
31            }
32        };
33        xmlhttp.open("GET","forajax/load_questions.php?questionno="+ questionno,true);
34        xmlhttp.send(null);
35    }
36
37    function radioclick(radiovalue,questionno)
38    {
39        var xmlhttp=new XMLHttpRequest();
40        xmlhttp.onreadystatechange=function() {
41            if (xmlhttp.readyState == 4 && xmlhttp.status == 200) {
42
43            }
44        };
45        xmlhttp.open("GET","forajax/save_ans_in_session.php?questionno="+ questionno +"&value1="+radiovalue,true);
46        xmlhttp.send(null);
47    }
48
49    //next previous button
50
51    function load_previous()
52    {
53        if(questionno=="1")
54        {
55            load_questions(questionno);
56        }
57        else
58        {
59            questionno=eval(questionno) -1;
60            load_questions(questionno);
61        }
62    }
63    function load_next()
64    {
65        questionno=eval(questionno)+1;
66        load_questions(questionno);
67    }
68 </script>
```

Figure 12: Back end query for on going quiz

Interface of Result Generation

[Home](#) [Select Exam](#) [Last Results](#)

Hello fatiha26 [Log Out](#)



You Result Is Ready

Total Question	Correct Answer	Wrong Answer
3	2	1

[Print](#)

Examined by **QuizClan**

All Old quiz result of an user

[Home](#) [Select Exam](#) [Last Results](#)

Hello fatiha26 [Log Out](#)



Old Exam Results

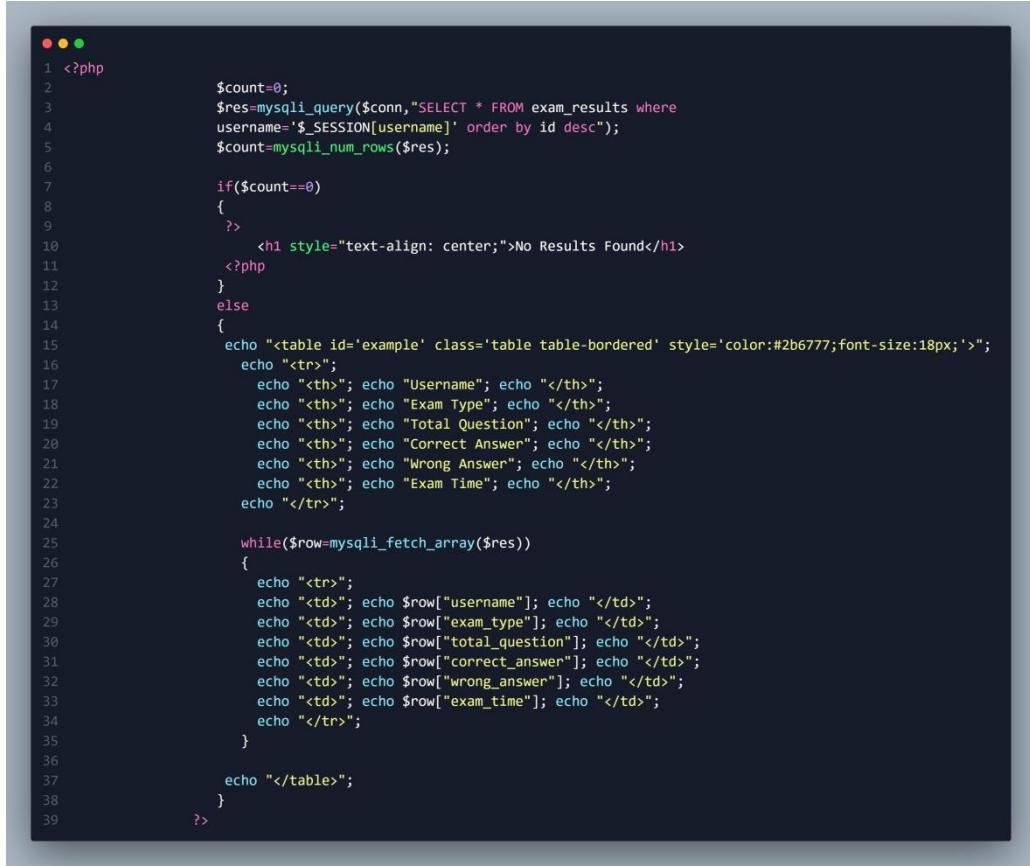
Username	Exam Type	Total Question	Correct Answer	Wrong Answer	Exam Time
fatiha26	English	3	2	1	2022-07-05
fatiha26	php	4	2	2	2022-06-22
fatiha26	php	4	1	3	2022-06-21

[Print](#)

Examined by **QuizClan**

Figure 13:Result generation interface

Back end query for old results



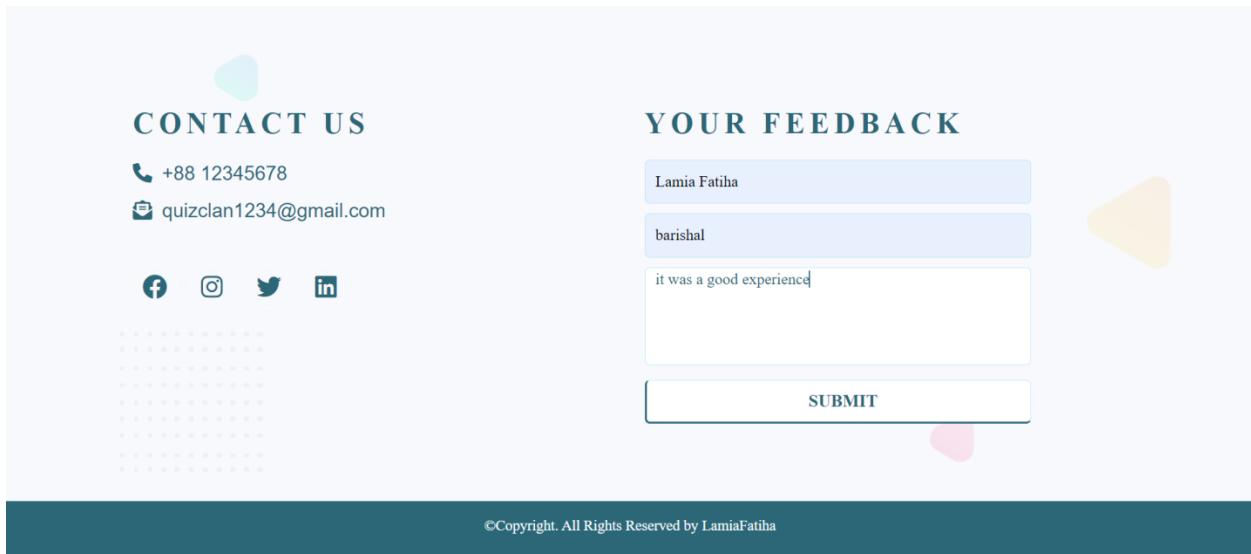
```

1 <?php
2
3     $count=0;
4     $res=mysqli_query($conn,"SELECT * FROM exam_results where
5     username='".$_SESSION[username]' order by id desc");
6     $count=mysqli_num_rows($res);
7
8     if($count==0)
9     {
10         ?>           <h1 style="text-align: center;">No Results Found</h1>
11         <?php
12     }
13     else
14     {
15         echo "<table id='example' class='table table-bordered' style='color:#2b6777;font-size:18px;'>";
16         echo "<tr>";
17             echo "<th>Username</th>";
18             echo "<th>Exam Type</th>";
19             echo "<th>Total Question</th>";
20             echo "<th>Correct Answer</th>";
21             echo "<th>Wrong Answer</th>";
22             echo "<th>Exam Time</th>";
23         echo "</tr>";
24
25         while($row=mysqli_fetch_array($res))
26         {
27             echo "<tr>";
28                 echo "<td>"; echo $row["username"]; echo "</td>";
29                 echo "<td>"; echo $row["exam_type"]; echo "</td>";
30                 echo "<td>"; echo $row["total_question"]; echo "</td>";
31                 echo "<td>"; echo $row["correct_answer"]; echo "</td>";
32                 echo "<td>"; echo $row["wrong_answer"]; echo "</td>";
33                 echo "<td>"; echo $row["exam_time"]; echo "</td>";
34             echo "</tr>";
35         }
36
37         echo "</table>";
38     }
?>

```

Figure 14: Back end query for result generation

Interface of giving Feedback



CONTACT US

+88 12345678
quizclan1234@gmail.com

YOUR FEEDBACK

Lamia Fatiha

barishal

it was a good experience

SUBMIT

Figure 15: Feedback form

Back end Query for Feedback

```

1 <?php
2     if(isset($_POST["submit1"]))
3     {
4         $name = $_POST['name'];
5         $district = $_POST['district'];
6         $comment = $_POST['comment'];
7
8         $sql= "INSERT into contact(id,name,district,comment) values(NULL,'$name','$district','$comment')";
9
10        $res=mysqli_query($conn,$sql);
11        if($res)
12        {
13            ?>
14            <script type="text/javascript">
15                document.getElementById("success").style.display="block";
16            </script>
17            <?php
18        }
19        else
20        {
21            "failed";
22        }
23
24    }
25
26 ?>

```

Figure 16: Back end query for saving feedback

Interface design (For Admin)

Admin Login module

The image shows a screenshot of an admin login interface. At the top center, it says "QuizClan Admin Login". Below that is a white rectangular form. Inside the form, there are two text input fields: one labeled "USERNAME" with the placeholder "Username" and another labeled "PASSWORD" with the placeholder "Password". At the bottom of the form is a dark blue rectangular button with the white text "SIGN IN". The entire form is centered on a dark gray background.

Figure 17: Admin login form

Back end query for Admin login



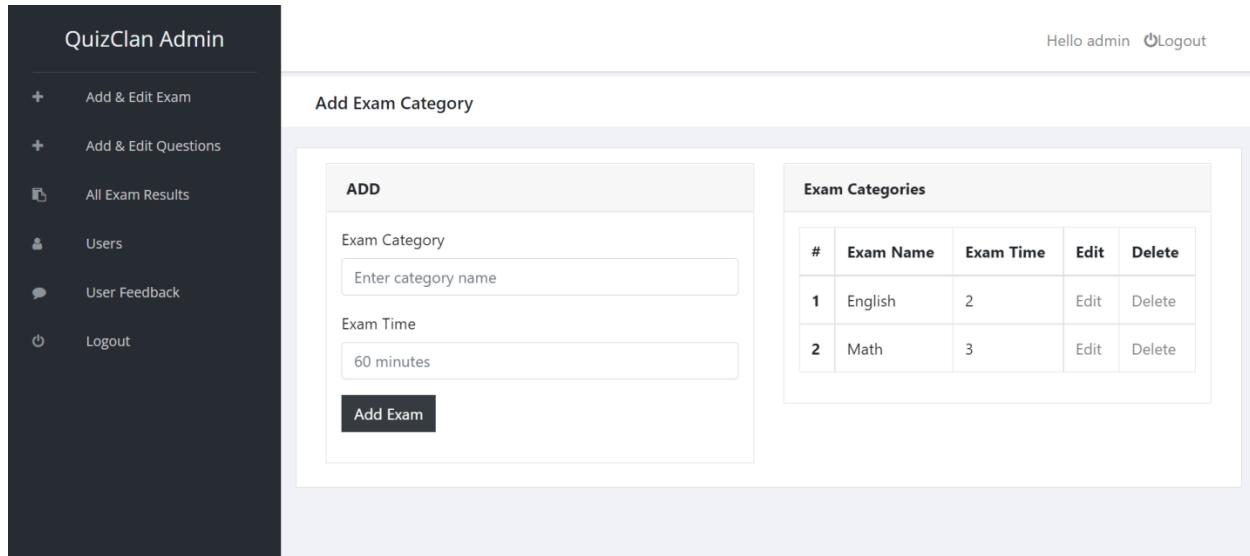
```

1 <?php
2     if(isset($_POST["submit1"]))
3     {
4         $count = 0;
5         $username = mysqli_real_escape_string($conn,$_POST["username"]);
6         $password = mysqli_real_escape_string($conn,$_POST["password"]);
7
8         $query = "SELECT * from adminlogin where
9             username='$username' && password='$password'";
10        $res = mysqli_query($conn,$query);
11
12        if(mysqli_num_rows($res)==0)
13        {
14            ?>
15            <script type="text/javascript">
16                document.getElementById("errmsg").style.display = "block";
17            </script>
18            <?php
19        }
20        else
21        {
22            $_SESSION["admin"]=$username;
23            ?>
24            <script type="text/javascript">
25                window.location="exam_category.php";
26            </script>
27            <?php
28        }
29    }
30
31
32 ?>

```

Figure 18: Back end query for admin login

Interface of Admin Dashboard



The dashboard features a sidebar on the left with the following navigation items:

- + Add & Edit Exam
- + Add & Edit Questions
- >All Exam Results
- Users
- User Feedback
- Logout

The main content area has a header "Add Exam Category". It contains two sections: "ADD" and "Exam Categories".

ADD Section:

- Exam Category: Input field labeled "Enter category name".
- Exam Time: Input field labeled "60 minutes".
- Action: A "Add Exam" button.

Exam Categories Section:

#	Exam Name	Exam Time	Edit	Delete
1	English	2	Edit	Delete
2	Math	3	Edit	Delete

Figure 19: Admin dashboard

Back end query for Add Exam



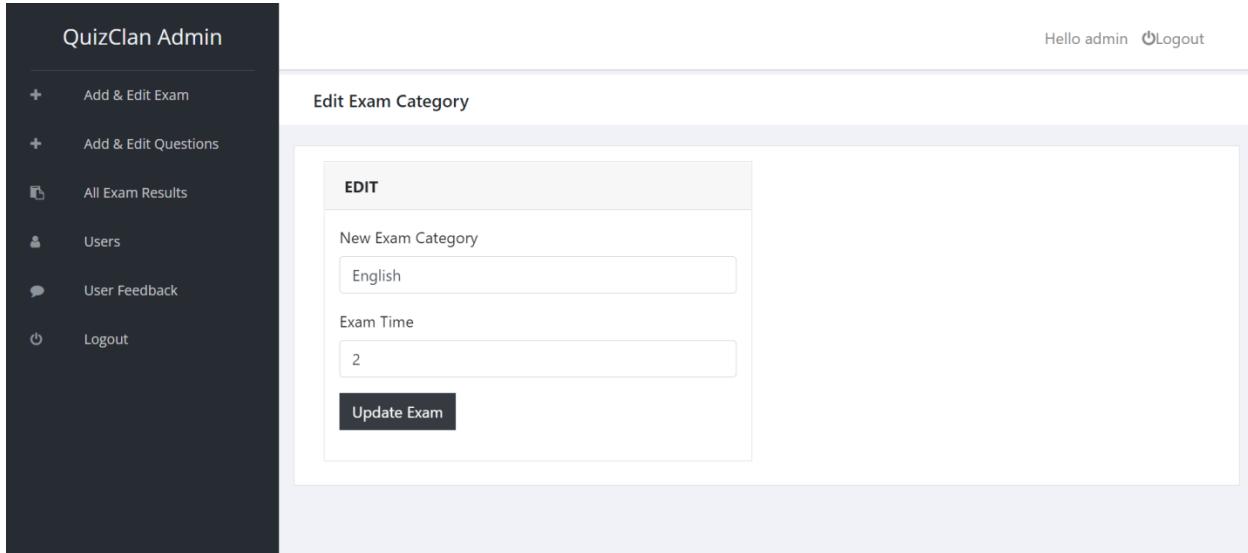
```

1 <?php
2     $count=0;
3     $res = mysqli_query($conn, "SELECT * from exam_category");
4     while($row=mysqli_fetch_array($res))
5     {
6         $count=$count+1;
7     }
8     <tr>
9         <th scope="row"><?php echo $count; ?></th>
10        <td><?php echo $row["category"]; ?></td>
11        <td><?php echo $row["exam_time_in_minutes"]; ?></td>
12        <td><a href="edit_exam.php?id=<?php echo $row["id"]; ?>">Edit</a></td>
13        <td><a href="delete.php?id=<?php echo $row["id"]; ?>">Delete</a></td>
14    </tr>
15    <?php
16 }
17 ?>

```

Figure 20: Back end query for add exam

Interface of Update exam category



The screenshot shows the QuizClan Admin dashboard. On the left, there's a sidebar with navigation links: '+ Add & Edit Exam', '+ Add & Edit Questions', 'All Exam Results', 'Users', 'User Feedback', and 'Logout'. The main area is titled 'Edit Exam Category' and contains a form with the following fields:

- EDIT** (Section header)
- New Exam Category: A text input field containing 'English'.
- Exam Time: A text input field containing '2'.
- Update Exam** (A dark blue button at the bottom of the form).

In the top right corner of the main area, there are 'Hello admin' and 'Logout' links.

Figure 21: Update exam category

Back end query for Update Exam category



```

1 <?php
2     if(isset($_POST["submit1"]))
3     {
4         mysqli_query($conn,"UPDATE exam_category set
5             category='".$_POST[examname]',
6             exam_time_in_minutes='".$_POST[examtime]'
7             where id=$id") or die (mysqli_error($conn));
8     }
9     <script type="text/javascript">
10        window.location="exam_category.php";
11    </script>
12    <?php
13 }
14 ?>

```

Figure 22: Back end query for update exam

Back end query for Delete Exam category



```

1
2     $id = $_GET["id"];
3     mysqli_query($conn, "DELETE from exam_category where id=$id");
4
5 ?>
6
7 <script type="text/javascript">
8     window.location="exam_category.php";
9 </script>

```

Figure 23: Back end query for delete exam

Interface of Select Exam category

#	Exam Name	Exam Time	Select
1	English	2	Select
2	Math	3	Select

Figure 24: Select exam category

Back end query of select category

```

1  <?php
2      $count=0;
3      $res = mysqli_query($conn, "SELECT * from exam_category");
4      while($row=mysqli_fetch_array($res))
5      {
6          $count=$count+1;
7      }
8      <tr>
9          <th scope="row"><?php echo $count; ?></th>
10         <td><?php echo $row["category"]; ?></td>
11         <td><?php echo $row["exam_time_in_minutes"]; ?></td>
12         <td><a href="add_edit_qstns.php?id=<?php echo $row["id"]; ?>">Select</a></td>
13     </tr>
14     <?php
15 }
16 ?>

```

Figure 25: Back end query for selecting exam

Interface of adding questions, options in an exam

The screenshot shows the QuizClan Admin dashboard. On the left, there's a sidebar with navigation links: 'Add & Edit Exam', 'Add & Edit Questions', 'All Exam Results', 'Users', 'User Feedback', and 'Logout'. The main content area has a header 'Hello admin' and a 'Logout' link. Below the header, it says 'Add Questions in English'. A form titled 'Add new MCQ question' contains fields for 'Add Question' (with a 'Add question' button), 'Add Option 1' (with a 'Add option 1' button), 'Add Option 2' (with a 'Add option 2' button), 'Add Option 3' (with a 'Add option 3' button), 'Add Option 4' (with a 'Add option 4' button), 'Add answer' (with a 'Add answer' button), and a large 'Add Question' button at the bottom. At the bottom of the page is a table listing three existing questions:

No.	Questions	Opt1	Opt2	Opt3	Opt4	Edit	Delete
1	I ... in the classroom.	am	is	are	were	Edit	Delete
2	The teacher ... near the board.	are	is	has	had	Edit	Delete
3	The desks ... on the carpet.	have	what	are	is	Edit	Delete

Figure 26: Adding questions,options

Back end query for adding question and options

```

1 <?php
2     if(isset($_POST["submit1"]))
3     {
4         $loop=0;
5         $count=0;
6         $res=mysqli_query($conn, "SELECT * from questions where
7             category='$exam_category' order by id asc") or die(mysqli_error($conn));
8         $count = mysqli_num_rows($res);
9
10        if($count==0)
11        {
12
13        }else
14        {
15            while($row=mysqli_fetch_array($res))
16            {
17                $loop=$loop+1;
18                mysqli_query($conn, "UPDATE questions set question_no='$loop'
19                    where id=$row[id]");
20            }
21        }
22        $loop=$loop+1;
23        mysqli_query($conn, "INSERT into questions values(NULL, '$loop',
24            '$_POST[question]', '$_POST[opt1]', '$_POST[opt2]', '$_POST[opt3]',
25            '$_POST[opt4]', '$_POST[answer]', '$exam_category')")
26        or die(mysqli_errno($conn));
27
28    ?>
29    <script type="text/javascript">
30        alert("added successfully");
31        window.location.href=window.location.href;
32    </script>
33    <?php
34    }
35 ?>

```

Figure 27: Back end query for add questions,options

Interface for added questions

No.	Questions	Opt1	Opt2	Opt3	Opt4	Edit	Delete
1	I ... in the classroom.	am	is	are	were	Edit	Delete
2	The teacher ... near the board.	are	is	has	had	Edit	Delete
3	The desks ... on the carpet.	have	what	are	is	Edit	Delete

Figure 28: All added questions

Back end query for added questions

```

1 <?php
2   $res=mysqli_query($conn, "SELECT * from questions where
3     category='$exam_category' order by question_no asc");
4   while($row=mysqli_fetch_array($res))
5   {
6     echo "<tr>";
7     echo "<td>"; echo $row["question_no"]; echo "</td>";
8     echo "<td>"; echo $row["question"]; echo "</td>";
9     echo "<td>";
10    if(($row["opt1"])!==false)
11    {
12      echo $row["opt1"];
13    }
14    else
15    {
16      echo "error";
17    }
18    echo "</td>";
19    echo "<td>";
20    if(($row["opt2"])!==false)
21    {
22      echo $row["opt2"];
23    }
24    else
25    {
26      echo "error";
27    }
28    echo "</td>";
29    echo "<td>";
30    if(($row["opt3"])!==false)
31    {
32      echo $row["opt3"];
33    }
34    else
35    {
36      echo "error";
37    }
38    echo "</td>";
39    echo "<td>";
40    if(($row["opt4"])!==false)
41    {
42      echo $row["opt4"];
43    }
44    else
45    {
46      echo "error";
47    }
48    echo "</td>";
49    echo "</td>";
50    echo "<td>";
51    if(($row["opt4"])!==false)
52    {
53      ?>
54      <a href="edit_opt.php?id=<?php echo $row["id"] ?>&id1=<?php echo
55        $id; ?>">Edit</a>
56      <?php
57      }
58    else
59    {
60      echo "false";
61    }
62    echo "</td>";
63    echo "<td>";
64    ?>
65    <a href="delete_opt.php?id=<?php echo $row["id"] ?>&id1=<?php echo
66        $id; ?>">Delete</a>
67      <?php
68      }
69    echo "</td>";
70    echo "</tr>";
71  }
72 ?>
```

Figure 29: Back end query for all added questions

Interface of Updating question and options

The screenshot shows the QuizClan Admin dashboard on the left with a sidebar containing links: 'Add & Edit Exam', 'Add & Edit Questions', 'All Exam Results', 'Users', 'User Feedback', and 'Logout'. The main content area is titled 'Update Question' and contains a form for updating MCQ questions. The form fields include:

- Add Question:** I ... in the classroom.
- Add Option 1:** am
- Add Option 2:** is
- Add Option 3:** are
- Add Option 4:** were
- Add answer:** am

At the bottom of the form is a 'Update Question' button.

Figure 30: Update questions

Back end query for updating questions and options

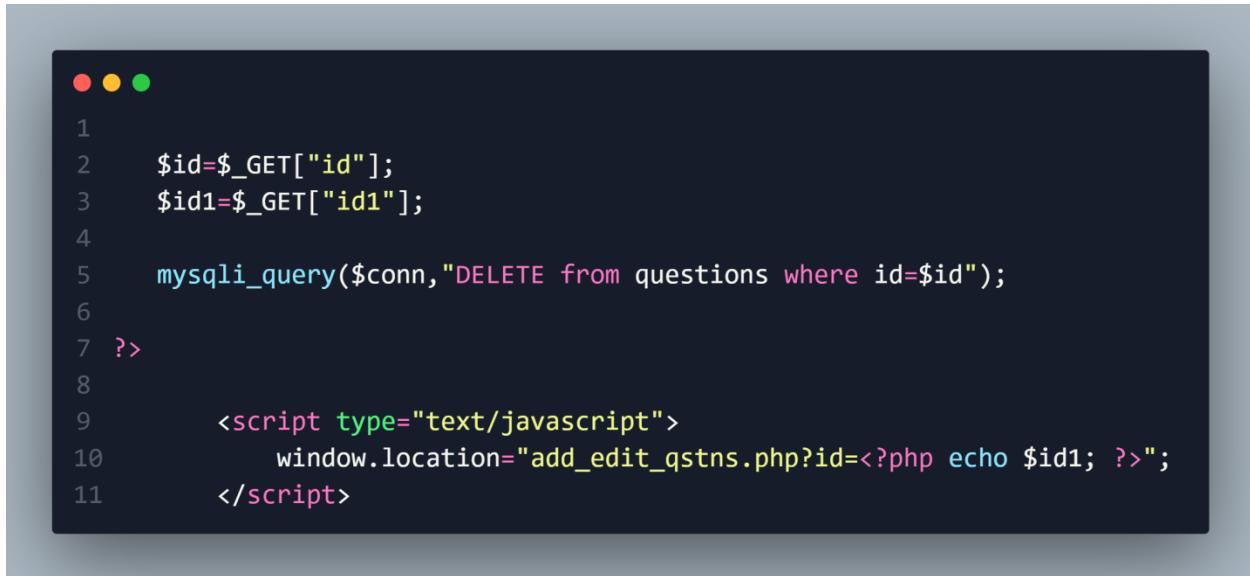
```

1  <?php
2  if(isset($_POST["submit1"]))
3  {
4      mysqli_query($conn, "UPDATE questions set
5          question='$_POST[question]', opt1='$_POST[opt1]',
6          opt2='$_POST[opt2]', opt3='$_POST[opt3]',
7          opt4='$_POST[opt4]', answer='$_POST[answer]' where id=$id")
8          or die (mysqli_error($conn));
9
10 ?>
11 <script type="text/javascript">
12     window.location="add_edit_qstns.php?id=<?php echo $id1; ?>";
13 </script>
14 <?php
15 }
16 ?>

```

Figure 31: Back end query for update questions

Back end query for deleting questions



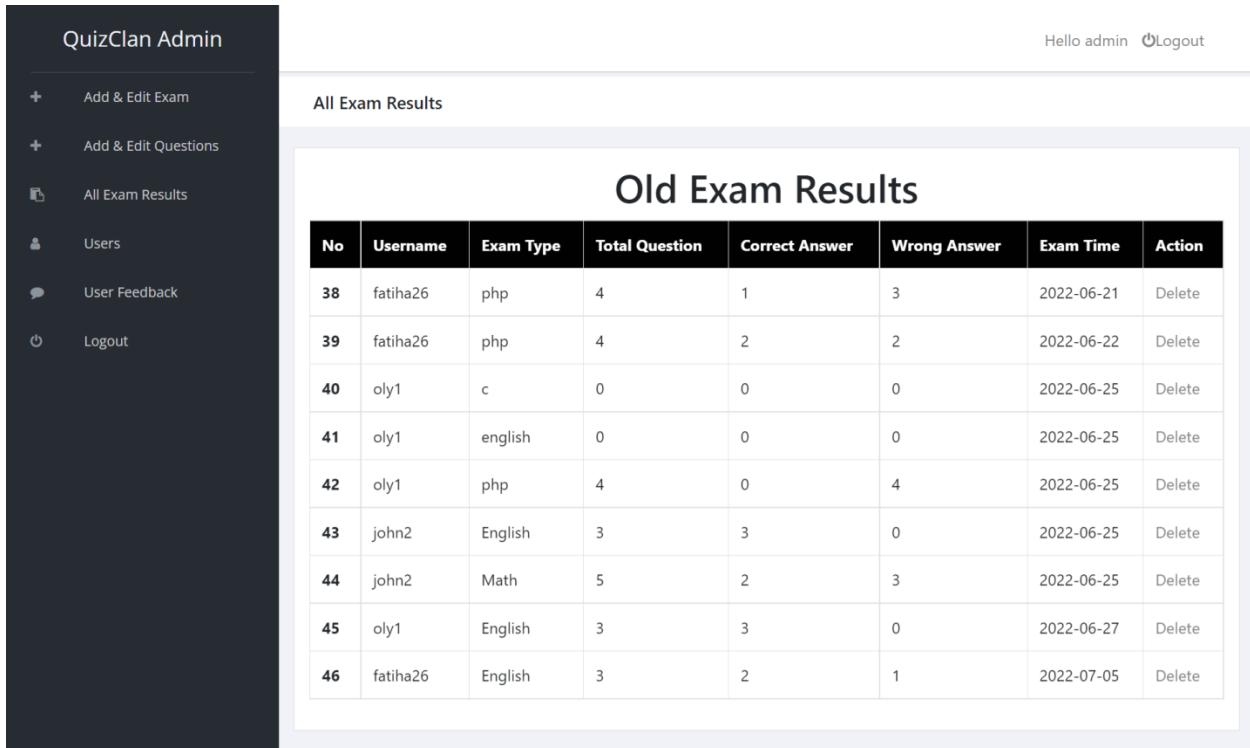
```

1
2     $id=$_GET["id"];
3     $id1=$_GET["id1"];
4
5     mysqli_query($conn,"DELETE from questions where id=$id");
6
7 ?>
8
9     <script type="text/javascript">
10        window.location="add_edit_qstns.php?id=<?php echo $id1; ?>";
11     </script>

```

Figure 32: Back end query for deleting questions

Interface of All exam results



The screenshot shows the QuizClan Admin interface. On the left is a sidebar with the following menu items:

- + Add & Edit Exam
- + Add & Edit Questions
- 📋 All Exam Results
- 👤 Users
- 💬 User Feedback
- ➻ Logout

The main content area has a header "All Exam Results" and a sub-header "Old Exam Results". Below this is a table with the following data:

No	Username	Exam Type	Total Question	Correct Answer	Wrong Answer	Exam Time	Action
38	fatiha26	php	4	1	3	2022-06-21	Delete
39	fatiha26	php	4	2	2	2022-06-22	Delete
40	oly1	c	0	0	0	2022-06-25	Delete
41	oly1	english	0	0	0	2022-06-25	Delete
42	oly1	php	4	0	4	2022-06-25	Delete
43	john2	English	3	3	0	2022-06-25	Delete
44	john2	Math	5	2	3	2022-06-25	Delete
45	oly1	English	3	3	0	2022-06-27	Delete
46	fatiha26	English	3	2	1	2022-07-05	Delete

Figure 33: All exam results

Back end query for all exam results

```

1 <?php
2     $count=0;
3     $res=mysqli_query($conn,"SELECT * FROM exam_results order by id asc");
4     $count=mysqli_num_rows($res);
5
6     if($count==0)
7     {
8         ?>
9         <h1 style="text-align: center;">No Results Found</h1>
10        <?php
11    }
12    else
13    {
14        echo "<table class='table table-bordered'>";
15        echo "<tr style='background-color: #000; color:#fff;'>";
16        echo "<th>"; echo "No"; echo "</th>";
17        echo "<th>"; echo "Username"; echo "</th>";
18        echo "<th>"; echo "Exam Type"; echo "</th>";
19        echo "<th>"; echo "Total Question"; echo "</th>";
20        echo "<th>"; echo "Correct Answer"; echo "</th>";
21        echo "<th>"; echo "Wrong Answer"; echo "</th>";
22        echo "<th>"; echo "Exam Time"; echo "</th>";
23        echo "<th>"; echo "Action"; echo "</th>";
24
25        echo "</tr>";
26
27        while($row=mysqli_fetch_array($res))
28        {
29            echo "<tr>";
30            echo "<td>"; echo $row["id"]; echo "</td>";
31            echo "<td>"; echo $row["username"]; echo "</td>";
32            echo "<td>"; echo $row["exam_type"]; echo "</td>";
33            echo "<td>"; echo $row["total_question"]; echo "</td>";
34            echo "<td>"; echo $row["correct_answer"]; echo "</td>";
35            echo "<td>"; echo $row["wrong_answer"]; echo "</td>";
36            echo "<td>"; echo $row["exam_time"]; echo "</td>";
37            echo "<td>";
38                ?>
39                <a href="delete_result.php?id=<?php echo $row['id']?>">Delete</a>
40            <?php
41            echo "</td>";
42            echo "</tr>";
43
44        }
45        echo "</table>";
46    }
47 ?>

```

Figure 34: Back end query for all results

Interface of List of registered users

The screenshot shows the QuizClan Admin dashboard. On the left, there's a sidebar with navigation links: 'Add & Edit Exam', 'Add & Edit Questions', 'All Exam Results', 'Users' (which is selected), 'User Feedback', and 'Logout'. The main content area is titled 'All Users' and contains a table titled 'List of Users' with the following data:

No	firstname	lastname	username	email	contact
1					
2	Lamia	Fatiha	fatiha26	lamia@gmail.com	0987654
3	John	Smith	john2	jhon@gmail.com	123456789
4	Olivia	Oly	oly1	olivia12@gmail.com	9876543

Figure 35: All registered users

Back end query for listed users

```

1 <?php
2     $count=0;
3     $res=mysqli_query($conn,"SELECT * FROM registration order by id asc");
4     $count=mysqli_num_rows($res);
5
6     if($count==0)
7     {
8         ?>
9         <h1 style="text-align: center;">No Results Found</h1>
10    <?php
11    }
12 else
13 {
14     echo "<table class='table table-bordered'>";
15         echo "<tr style='background-color: #000; color:#fff;'>";
16         echo "<th>"; echo "No"; echo "</th>";
17         echo "<th>"; echo "firstname"; echo "</th>";
18         echo "<th>"; echo "lastname"; echo "</th>";
19         echo "<th>"; echo "username"; echo "</th>";
20         echo "<th>"; echo "email"; echo "</th>";
21         echo "<th>"; echo "contact"; echo "</th>";
22         echo "</tr>";
23
24     while($row=mysqli_fetch_array($res))
25     {
26         echo "<tr>";
27
28         echo "<th>"; echo $row["id"]; echo "</th>";
29         echo "<td>"; echo $row["firstname"]; echo "</td>";
30         echo "<td>"; echo $row["lastname"]; echo "</td>";
31         echo "<td>"; echo $row["username"]; echo "</td>";
32         echo "<td>"; echo $row["email"]; echo "</td>";
33         echo "<td>"; echo $row["contact"]; echo "</td>";
34         echo "</tr>";
35
36     }
37     echo "</table>";
38 }
39 ?>

```

Figure 36: Back end query for all listed users

Interface for User's Feedbacks

The screenshot shows the QuizClan Admin dashboard. On the left, there is a sidebar with the following menu items:

- Add & Edit Exam
- Add & Edit Questions
- All Exam Results
- Users
- User Feedback
- Logout

The main content area is titled "Feedbacks From Users" and contains a table titled "User Feedback". The table has columns: No, Name, District, Comment, and Action. It displays two rows of data:

No	Name	District	Comment	Action
1	korim	khulna	hello	Delete
2	Lamia Fatiha	barishal	it was a good experience	Delete

Figure 37: All user's feedback

Back end query of User's feedback

```

1  <?php
2      $count=0;
3      $res=mysqli_query($conn,"SELECT * FROM contact order by id asc");
4      $count=mysqli_num_rows($res);
5
6      if($count==0)
7      {
8          ?>
9          <h1 style="text-align: center;">No Results Found</h1>
10         <?php
11     }
12     else
13     {
14         echo "<table class='table table-bordered'>";
15         echo "<tr style='background-color: #000; color:#fff;'>";
16         echo "<th>"; echo "No"; echo "</th>";
17         echo "<th>"; echo "Name"; echo "</th>";
18         echo "<th>"; echo "District"; echo "</th>";
19         echo "<th>"; echo "Comment"; echo "</th>";
20         echo "<th>"; echo "Action"; echo "</th>";
21
22         echo "</tr>";
23
24         while($row=mysqli_fetch_array($res))
25         {
26             echo "<tr>";
27
28             echo "<th>"; echo $row["id"]; echo "</th>";
29             echo "<td>"; echo $row["name"]; echo "</td>";
30             echo "<td>"; echo $row["district"]; echo "</td>";
31             echo "<td>"; echo $row["comment"]; echo "</td>";
32             echo "<td>";
33             ?>
34             <a href="delete_feedback.php?id=<?php echo $row["id"] ?>">Delete</a>
35             <?php
36             echo "</td>";
37             echo "</tr>";
38
39         }
40         echo "</table>";
41     }
42 ?>

```

Figure 38: Back end query for users' feedback

Chapter-11

Future Work

Every developer have aims to improve their system or project for the next project. For this system, the improvements are needed on

1. Question type such as essay and random short answer.
2. Improvements need to be done on the interface part and admin, and student module.
3. The process of performance system on the coding with database server will be more efficient if this improvements are achieved.
4. Besides that, the improvements on the interface part and functionality system can be prevent the error during running the system.

Chapter-12

Conclusion

This project more focus on the problems who faced by the lecturers due to the manual system which are available now is not efficient. For instance, the losing of quiz paper, no pencil and no pen to do quiz on time. The lecturer cannot setup quiz for specific time and have to do quiz in class. Lecturer also need spend more time on grading. While, student also cannot take quiz from any location. This problems can be solved by Online Quiz System. In addition, this kind of system can be replaced the manual system in order to increase the efficiency of the quiz management. The process in build up this system takes a long time. So that, the insufficient time problems should be faced and solved. In order to produce a good system, the time management is important to ensure the good quality of the system. The improvement should be done and insufficient time should be solved in order to make sure this system can run well and meet the user requirements.

REFERENCES

The following references has been used to develop the project “Online Quiz System”.

1. Books:

- “The complete reference PHP”.

2. Web Source:

- www.google.com
- www.w3school.com
- www.php.net