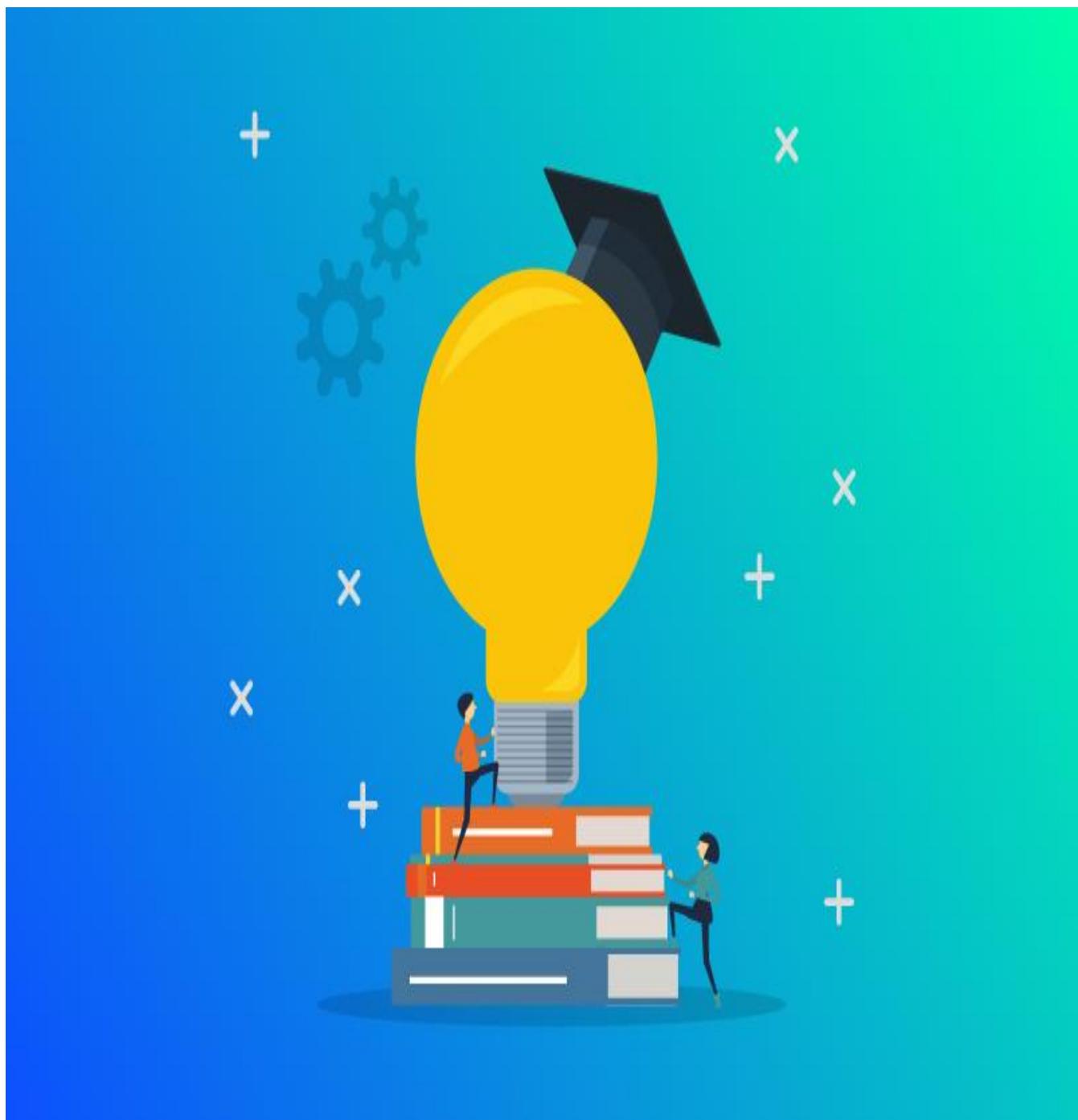


ONLINE QUIZ





Online Quiz



Developed By

Nishit Davda
206200316095

Parth Patadiya
206200316084

Meet Chavda
206200316065

GuideBy:-
Mr.JaydeepTadhani sir



**GOVERNMENT POLYTECHNIC RAJKOT
INFORMATION TECHNOLOGY
DEPARTMENT**

NEAR AJI DAM CHOWK, BHAVNAGAR ROAD,

RAJKOT-360007

CERTIFICATE

This is to certify that Nishit Davda(206200316095) the student of 6th semester Diploma in Information Technology has successfully completed the project entitled "**Online Quiz**".

Head of Department: -

Internal Guide: -

Mr.Jaydeep Tadhani sir



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RAJKOT-360007

CERTIFICATE

This is to certify that Parth Patadiya(206200316084)the student of 6th semester Diploma in Information Technology has successfully completed the project entitled "**“Online Quiz”**".

Head of Department: -

Internal Guide: -

Mr.Jaydeep Tadhani sir



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INFORMATION TECHNOLOGY
DEPARTMENT**

NEAR AJI DAM CHOWK, BHAVNAGAR ROAD,

RAJKOT-360007

CERTIFICATE

This is to certify that Meet Chavda(206200316065) the student of 6th semester Diploma in Information Technology has successfully completed the project entitled "**Online Quiz**".

Head of Department: -

Internal Guide: -

Mr.Jaydeep Tadhani sir

Project Report
On
“ONLINE QUIZ”

Submitted By
Nishit Davda
Parth Patadiya
Meet Chavda

Of
DIPLOMA
IN

INFORMATION & TECHNOLOGY ENGINEERING



GOVERNMENT POLYTECHNIC, RAJKOT
GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD JULY 2021-22

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We think this is a good opportunity for us to thank those nice and wonderful people who have helped us a lot in our D.I.T.

We thank Mr.Jaydeep Tadhani sirfor giving us full Guidance and Co-operating with us throughout the Project. Without him help, this project would not have seen the Light of the Day. I am also grateful for teaching me the source of the many important concepts of the subject.

At last, but not the least, I am very thankful to all the classmates and friends who helped me achieving this foot.

Abstract

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

Functionalities of the project will be as following:

- Able the examiners to punch the MCQ questions online;
- Able the users to solve the questions online;
- Examiners can manage the information regarding exam;
- Correct answers will be evaluated by system (First it should be determining by examiner);
- Users can see their result after submitting the test.

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CHAPTER-1: -

INTRODUCTION

1.1 Project Summary :-

- The administrators , instructor ,students who are attending for online examination can communicate with the system through this project, thus facilitating effective implementation and monitoring of various activities of online examination like conducting exams as per scheduled basis and delivering result to that particular user or students.
- And the details of students who attempted online examination are maintained at administrator.

1.2 Goals And Objectives:-

1.2.1 Goals:-

The goals of this project it provides a good platform , where a users not only judges there knowledge/skills but also they can improve knowledge/skill.

Users can play online quiz to practice General knowledge, sports, politics, languages etc.

Since smart device are being widely used by general population and users ,the online quiz app and web can provide on the student's device.

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.

1.2.2 Objectives: -

- This web is user friendly, and user find it easy to answer the multiple choise questions.
- At the end of the quiz, a result report is generated which states the score.
- If user have any query then they can send a feedback to admin and get response as soon as possible.
- Admin can reply with feedback or e-mail, so user can solve query.

1.3 Scope:-

- ***Module 1:-Admin***
- ✓ Admin can reply the feedback.
- ✓ Admin can manage FAQ, category.
- ✓ Admin can manage quiz and result.

- ✓ Admin can apply answer.
- ✓ Admin can manage user.

- ***Module 2:-User***

- ✓ User can perform registration and login.
- ✓ User can change passwordedit it's profile..
- ✓ User can send feedback.
- ✓ User can select quiz form different category.
- ✓ User can apply answer and view result.
- ✓ User can ask FAQ and view answer of FAQ.

CHAPTER-2: -

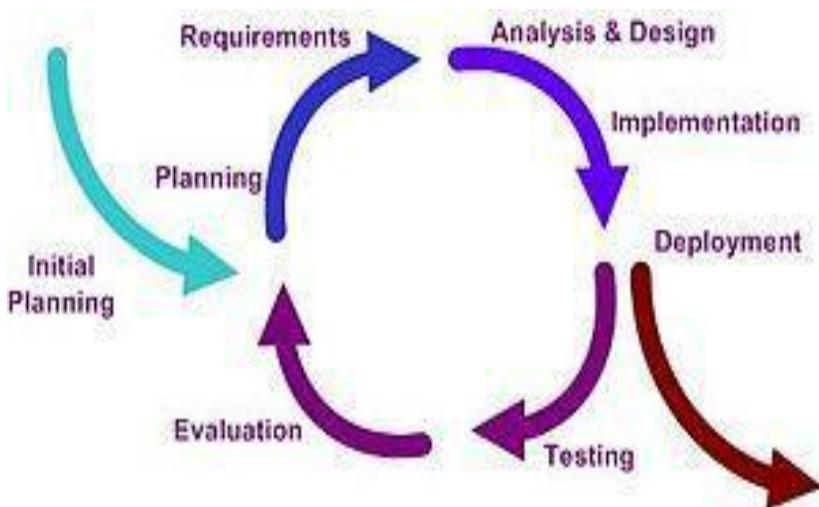
Project Management

- Project Management is an important part of project development. It deals with all the main areas of the project development like Feasibility, Requirement analysis, Project Schedule, Project Plan etc. We have used the Project Management approach to deal with all these areas. It is achieved by proper selection of Software Life Cycle Model.

2.1 Project Planning and Scheduling

- Project planning is perhaps one of the most important works in developing works in developing any project. Before the project can begin estimate regarding work to be done, what resources will be required and how much time will elapse from start to the finish of a project. Planning helped us to prepare a framework that enabled to make us a reasonable estimate of all such things.

2.1.1 Process paradigm and justification



- The basic idea behind this method is to develop a system through repeated cycles (iterative) and in smaller portions at a time (incremental), allowing software developers to take advantage of what was learned during development of earlier parts or versions of the system. Learning comes from both the development and use of the system, where possible key steps in the process start with a simple implementation of a subset of the software requirements and iteratively enhance

the evolving versions until the full system is implemented. At each iteration, design modifications are made and new functional capabilities are added.

- The procedure itself consists of the initialization step, the iteration step, and the Project Control List. The initialization step creates a base version of the system. The goal for this initial implementation is to create a product to which the user can react. It should offer a sampling of the key aspects of the problem and provide a solution that is simple enough to understand and implement easily. To guide the iteration process, a project control list is created that contains a record of all tasks that need to be performed. It includes such items as new features to be implemented and areas of redesign of the existing solution. The control list is constantly being revised as a result of the analysis phase.
- The iteration involves the redesign and implementation of iteration is to be simple, straightforward, and modular, supporting redesign at that stage or as a task added to the project control list. The level of design detail is not dictated by the iterative approach. In a light-weight iterative project the code may represent the major source of documentation of the system; however, in a critical iterative project a formal Software Design Document may be used. The analysis of an iteration is based upon user feedback, and the program analysis facilities available. It involves analysis of the structure, modularity, usability, reliability, efficiency, & achievement of goals. The project control list is modified in light of the analysis results.

❖ Justification

- The portal will highly benefit farmers both small scale and large scale, the highly educated and those with basic education.
- ❖
- As one of the university requirements for me to graduate, this project is very relevant to my course.

- Incremental development slices the system functionality into increments of the In each increment, a slice of functionality is delivered through from the requirements to the deployment. The unified process groups increments/iterations into phases: inception, elaboration, construction, And transition.
- Inception project scope, requirements(functional and non-functional) and risks at a high level but in enough detail that work can be estimated.
- Elaboration delivers a working architecture that mitigates the top risks and fulfills the non-functional requirements.
- Construction incrementally fills-in the architecture with production-ready code produced from analysis, design, implementation, and testing of the functional requirements.

2.1.2 Project Plan

A plan is drawn up at the start of the project, should be used as the driver of the project. The project planning consists of:

Selection of suitable software development process model which I have selected Interactive Water Fall Model.

Risk Management Plan, which involves the risk identification and risk assessments.

2.1.3 Milestones and deliverables

❖ Milestones:-

- Milestone is an end-point of the software process activity.
- At each milestone, there should be formal output, such as report, that can be represented.
- Milestone report need not be large document; they are the short report of achievements in software project activity.
- Milestone represents the end of the distinct, logical stage in the project.

❖ Deliverables:-

- Deliverable is a project report that is delivered to customer.
- Deliverables are delivered to the customer at the end of the same major project phase such as specification, design, etc.
- Deliverables are usually milestones. Milestones may be internal project results that are used by the project manager to check progress but which are not delivered to the customer.

2.1.4 Schedule representation

Project Scheduling, which involves the tasks and duration required for performing tasks. This is described by task representation and the Timeline chart representation.

Cost and Effort estimation, which involves estimation of cost as well as effort applied by the developers.

Sr. No .	Task Name	Start	Finish Duration	Augu st (2022)	Septemb er (2022)	Octob er (2022)	Novemb er (2022)	Decemb er (2022)
1.	Project Analysis	01/08/2022	13/08/2022					
2.	Requirement Gathering	09/08/2022	24/08/2022					
3.	Database Design	03/08/2022	02/11/2022					

CHAPTER-3: -

Literature Survey

3.1 Technologies and Literature

Our project is website of Online Quiz. In this project has information about general knowledge. We also published at online platform.

❖ Software Specification

- Technology: PHP
- Backend: MY SQL
- Programming tool: Notepad ++
- Database Management System: My SQL
- Documentation Tool: Microsoft word

- **Front End:- PHP**
- **What is PHP?**

PHP is a general-purpose server-side scripting language originally designed for Web development to produce dynamic Web pages. It is one of the first developed server-side scripting languages to be embedded into an HTML source document, rather than calling an external file to process data. Ultimately, the code is interpreted by a Web server with a PHP processor module which generates the resulting Web page. PHP was originally created by Ramus Lerdorfin 1994.

The main implementation of PHP is now produced by The PHP Group and serves as the formal reference to the PHP language. PHP is free software released under the PHP License. While PHP originally Any PHP code in a requested file is executed by the PHP runtime, usually to create dynamic web page content or dynamic images used on Web sites or elsewhere. It can also be used for command-line scripting and client-side GUI applications.

It is available free of charge, and the PHP Group provides the complete source code for users to build, customize and extend for their own use. Originally designed to create dynamic Web pages, PHP now focuses mainly on server-side scripting, and it is similar to other server-

side scripting languages that provide dynamic content from a Web server to a client, such as Microsoft's ASP.NET, SunMicrosystems' Java Server Pages, and mod Perl.stood for "Personal Home Page", it is now said to stand for "PHP: Hypertext Pre-processor", a recursive acronym .

- **Back End:- My SQL**
- **What is My SQL?**

My SQL is a popular choice of database for use in web applications, and is a central component of the widely used LAMP open source web application software stack— LAMP is an acronym for "Linux, Apache, My SQL, Perl/PHP/Python". My SQL is a database system used on the web. Basically, a My SQL database allows you to create a relational database structure on a web-server somewhere in order to store data or automate procedures. If you think of it in comparison to Microsoft Access, My SQL is what holds all of your tables, PHP acts as your queries (among other things), and your forms are basically web pages with fields in them. With all of this combined, you can create truly spectacular projects on the web.

When creating tables, you'll either have to create them by using SQL Statements, or by using another open-source tool available online called PHP My Admin. PHP My Admin gives you an easy-to-use interface that allows you to create tables and run queries by filling in a little bit of information and then having the tables created for you.

The My SQL database management system contains an enormous amount of functionality and power. In this article, Mitchell will describe some of its most popular features and most powerful functions. My SQL is the most popular, free, open-source database management system for the Unix/Linux platform. The My SQL database management system contains an enormous amount of functionality and power. Using a simple set of commands for inserting, retrieving, deleting and updating data, we can develop quite a complex set of databases and tables.

❖ Literature Survey :- Existing System

- The revolution of transforming traditional way of information into technological advancement called website.
- Initially, less number of trusted clients and improvement through advertisements and branding.

• Demerits:-

1. No value for money services.
2. Absence of SMS Module.
3. Lack of preferred advance search option.
4. Increased Spam mails.

❖ LiteratureSurvey: - Proposed System

- Simple and professional GUI for user of all qualification groups.
- Increased filtering employees seeking job as a Fresher or as an Experienced individual.

• Advantage: -

1. Low-cost, cost-effective service.
2. Cover letter
3. SMS module for notification
4. 24*7 online support system for employee as well as employer.
5. NO duplication of our product.
6. SPAM reporting.

CHAPTER-4: -

System Requirements Study

4.1 User Characteristic: -

- There are two types of users in this system.
 - The highest level of user is the administrator who reserves all the rights of administrative work in the Website.
- ❖ **Administrator:**
- Administrator will be given a unique ID and password to login.
 - Admin can insert, update and delete data or information which are displayed to the end user.
- ❖ **Users:**
- All users can deal with this site.
 - User can get information from the admin.

4.2 Hardware and Software requirement: -

❖ Hardware requirement: -

- **CLIENT_SIDE:**
 - Ram: 1GB above
 - Harddisk: 50 GB
 - Processor: Ultra core processor (minimum 1.9 GHz)
- **SERVER_SIDE:**
 - Ram: 2GB or above
 - Harddisk: 256 GB or more
 - Processor: core to dual or above (minimum 2.98 GHz)

❖ Software requirement:-

- **CLIENT_SIDE:**
 - Browser(media 30.0.0, chrome or internet explore)
 - Notepad++, dream viewer
 - Microsoft office
 - Ms paint or image (roping tools)
- **SERVER_SIDE:**
 - Apache, my SQL
 - Browser
 - Microsoft office

4.2.1 Constraints:-

❖ User Interface: -

The user Interface is provided by the any kind of web browser like Internet Explorer, Mozilla Firefox etc.

❖ Communication Interface: -

This is website so it requires HTTP protocol and Internet connection.

❖ Software Interface: -

The application mainly interacts with the MY SQL database for storing data at the back end. Other than this it does not deals with any software.

SRS DOCUMENT

❖ **ADMIN:**

R1:Login

Input: username, password

Process: to check given username or password is correct or not

Output: successfully or error

R2:manage category

Input: c_id, c-name, c_image

Process: add, edit, delete above info

Output: successfully or wrong

R3: manage exam

Input: e_id, e_title, e_date, totle_questions, totle_marks, start_time,end_time, per_que_marks

Process: add,delete and edit all above info

Output: successfully or wrong

R4: manage questions

Input:q_id,e_id,question_1,option _1,option _2,option _3,option_4,answer

Process: to submit, edit or delete questions

Output: successfully or cancel

R5: manage result

Input:r_id, e_id, u_id, r_date

Process: to check the all questions

Output: successfully submitted

R6: reply feedback

Input: feedback- message, reply answer

Process: to submit reply

Output: successfully or cancel

❖ **USER:**

R1: Login

Input: username, password

Process: to check given username or password is correct or not.

Output: successfully or error

R2: Registration

Input: email, password

Process: submit above info

Output: successfully or wrong

R3: View category

Input: c_id,c_name,c_image

Process: fetch data from data base

Output: display category

R4: View exam

Input :e_id, e_title, e_date, totle_questions, totle_marks, start_time,end_time, per_que_marks

Process: fetch data from database

Output: display exam

R5: view questions

Input:q_id,e_id,question_1,option _1,option _2,option _3,option_4,answer

Process: to submit all questions

Output: display questions

R6: view result

Input:r_id,e_id,u_id,r_date

Process: fatch result data from database

Output: successfully view result

R7: Send Feedback

Input: subject, email, message

Process: submit feedback

Output: successfully or process

CHAPTER-5: -

System Analysis

5.1 Study of Current System

Characteristics of existing system:

In Existing system, any user wants to read any Quiz then they have to wait for paper copy of news-paper or magazine. In this system paper copy was produce only selected times in a week or month. So, user cannot read any emergency Quiz at those moments. Also, they have to keep this paper copy when he/she has to go at outsides.

❖ DISADVANTAGES: -

- Susceptible to Malpractices like Cheating & Plagiarism
- Internet Dependency
- Great Demand for Computer Literacy
- Requires Technical Equipment
- Lack of Facilitating Time

5.2 Overview of proposed system with advantages: -

We are trying to develop proposed system using web technology. So, any user can get any Quiz at anywhere at any time at any place. User can easily search specific Quiz according to category.

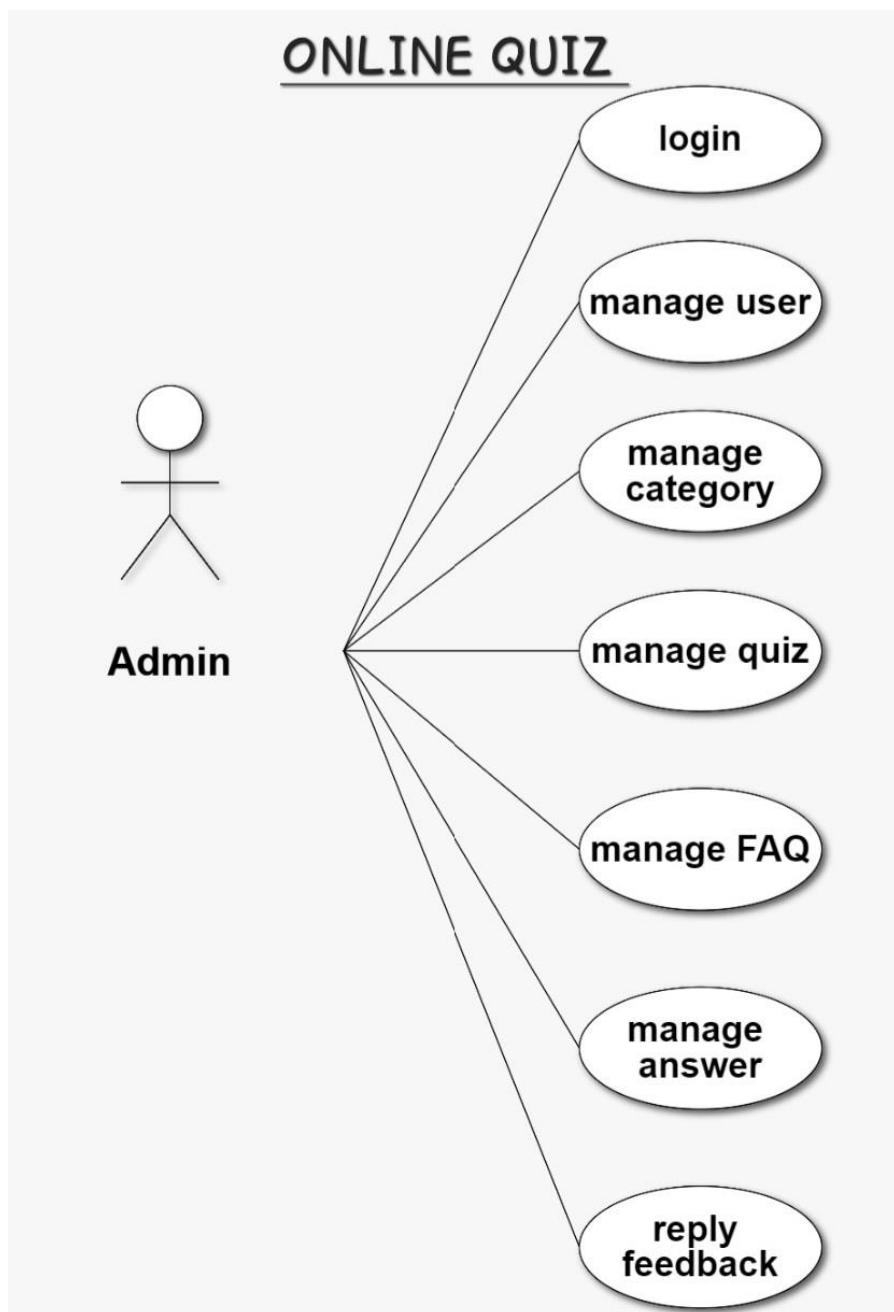
ADVANTAGES: -

- We can save the paper.
- We have not kept any data whenever we go.
- Assess your knowledge
- Quick results
- Lighter on the stress side
- Motivating
- Accurate timers
- Re-attempting is possible
- Better knowledge retention

5.3 Function of the system

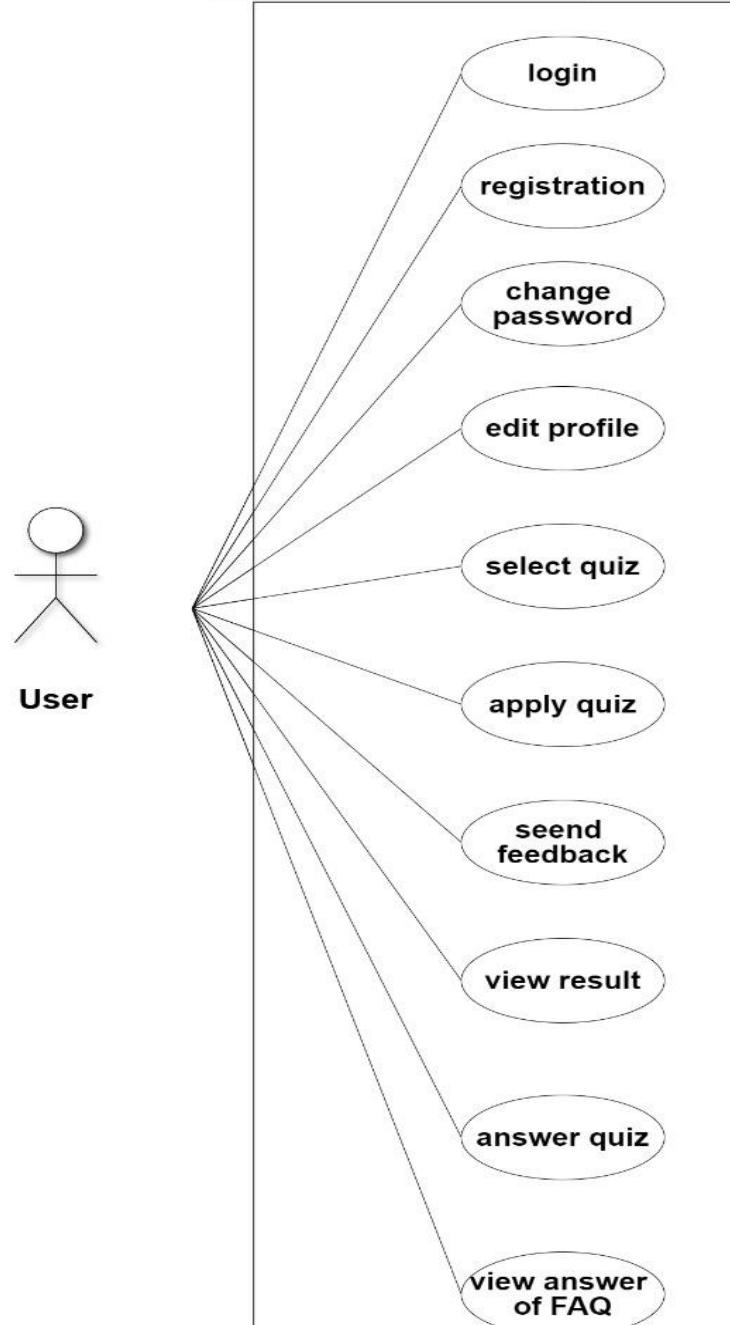
5.3.1 The Use Case Diagram of Whole System :-

Admin:-



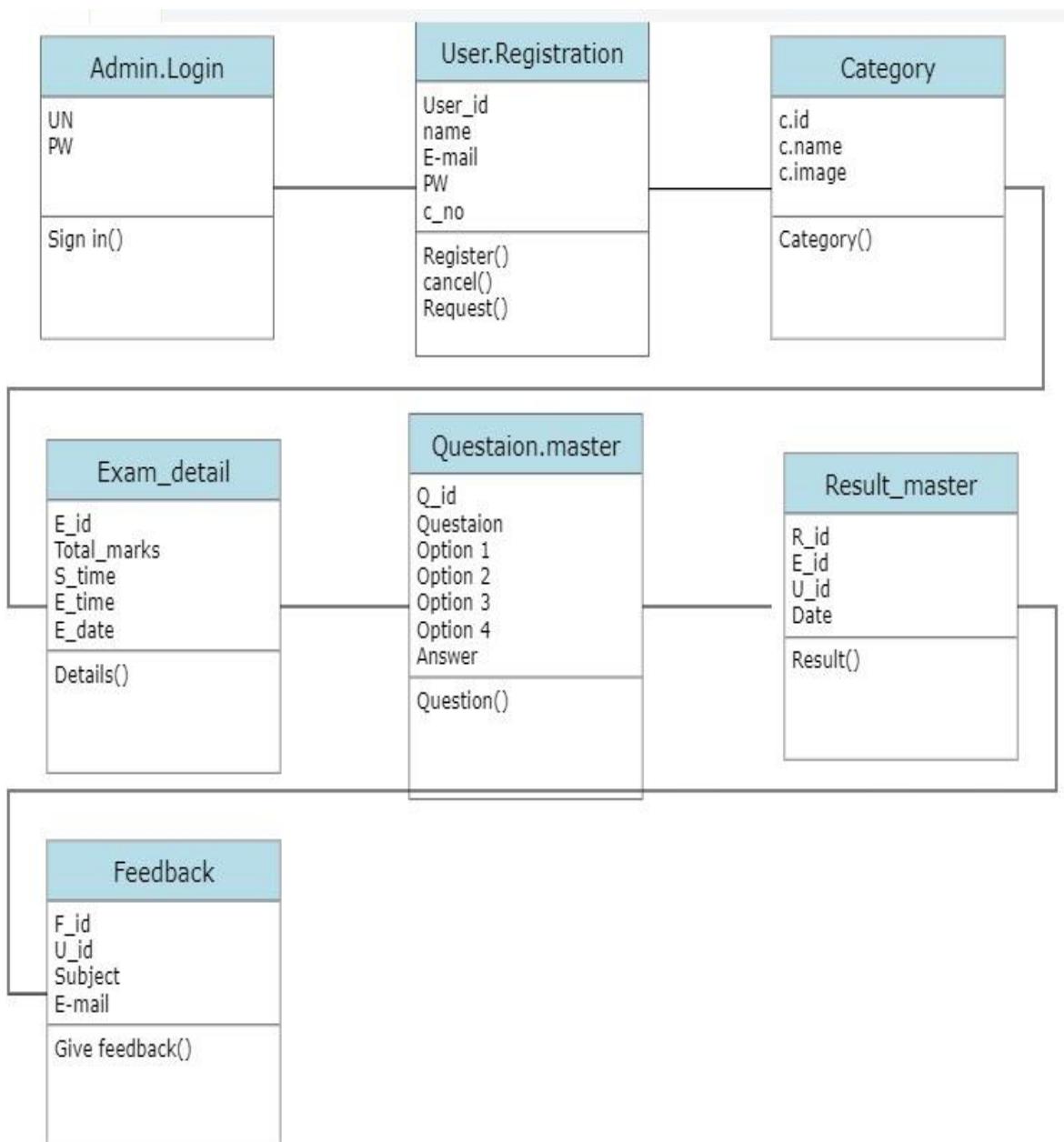
User:-

ONLINE QUIZ

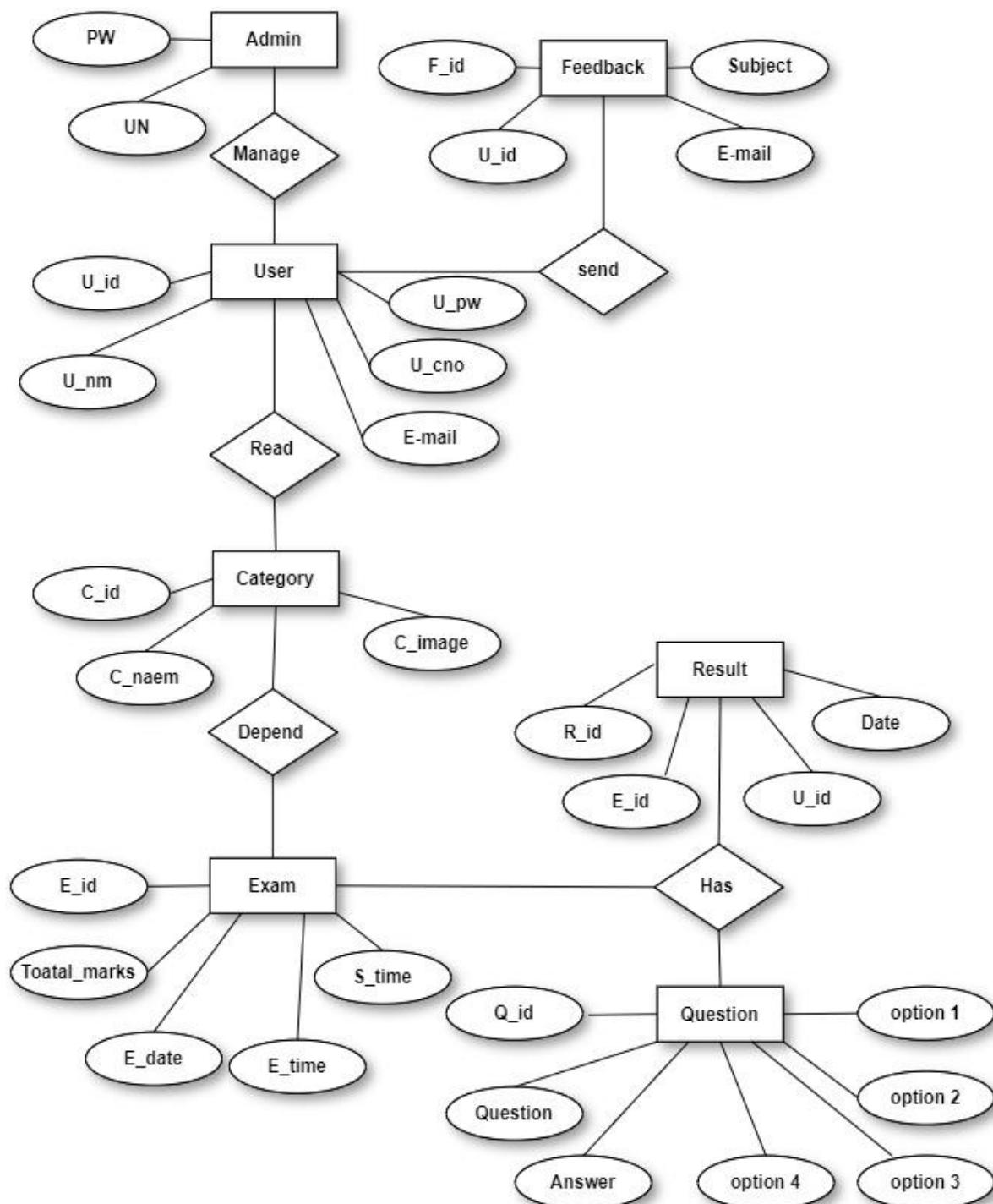


5.4 Data Modeling

5.4.1 The Class Diagram :-

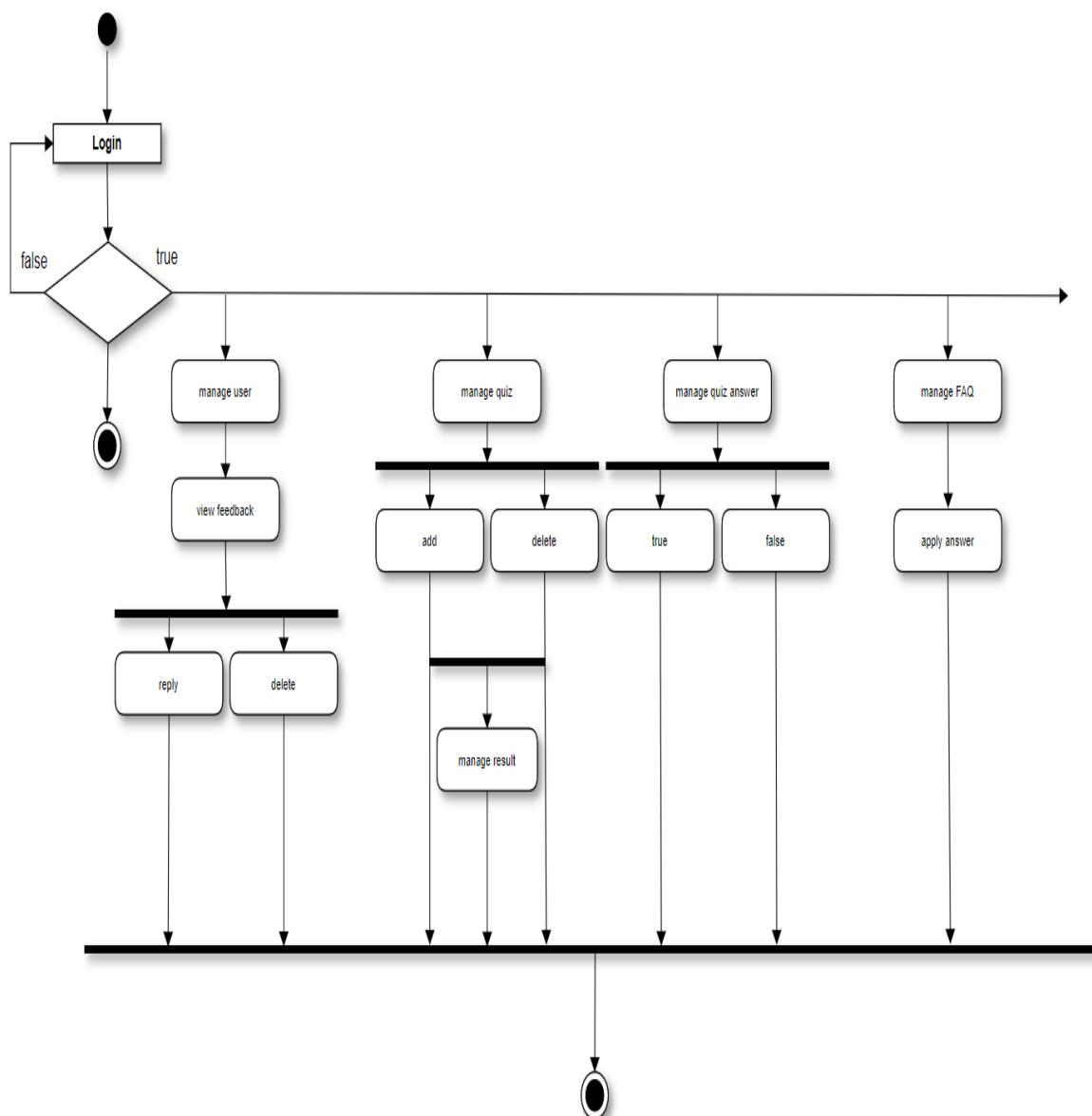


5.4.2 ER Diagram :-

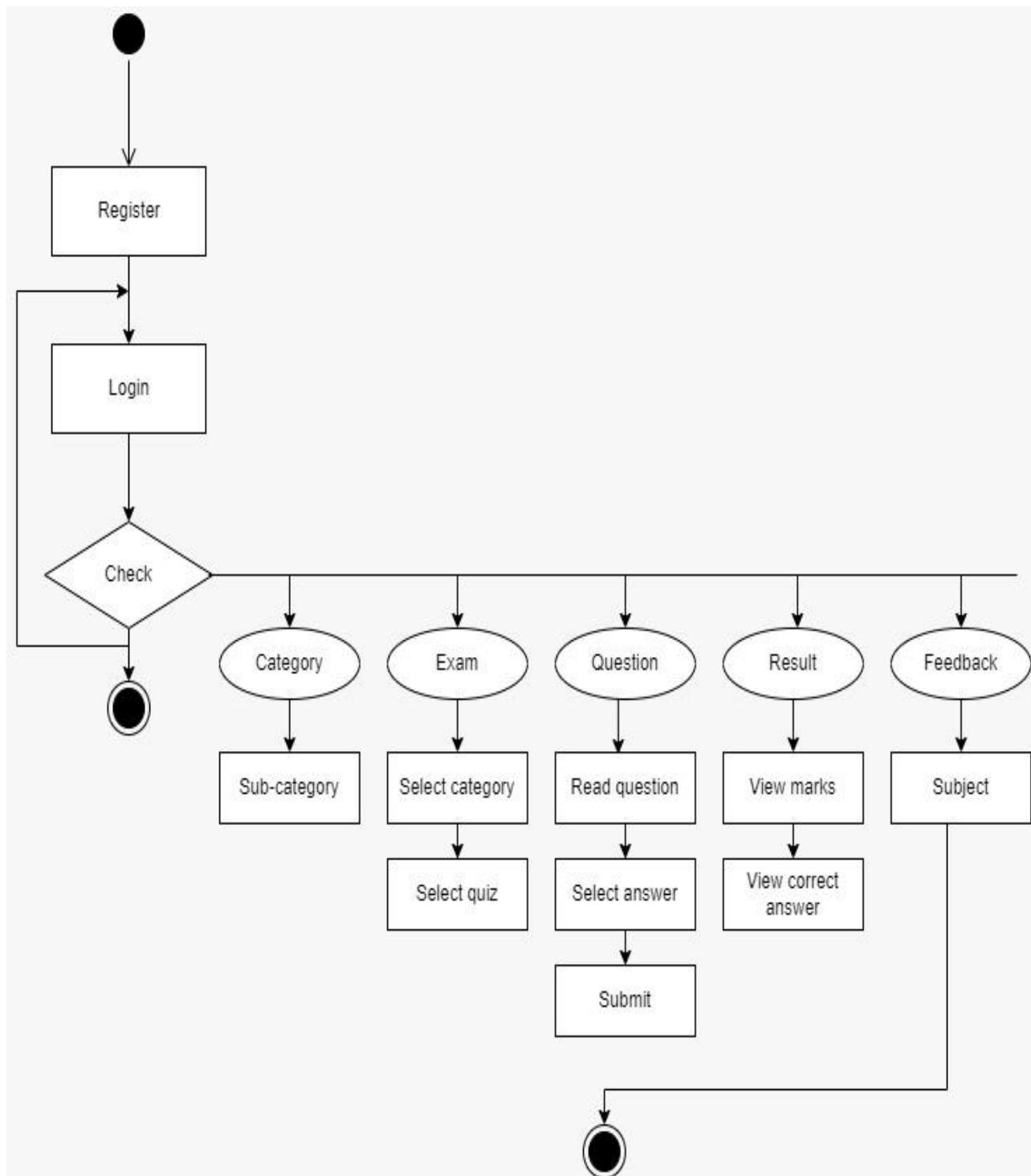


5.5 Activity Diagram

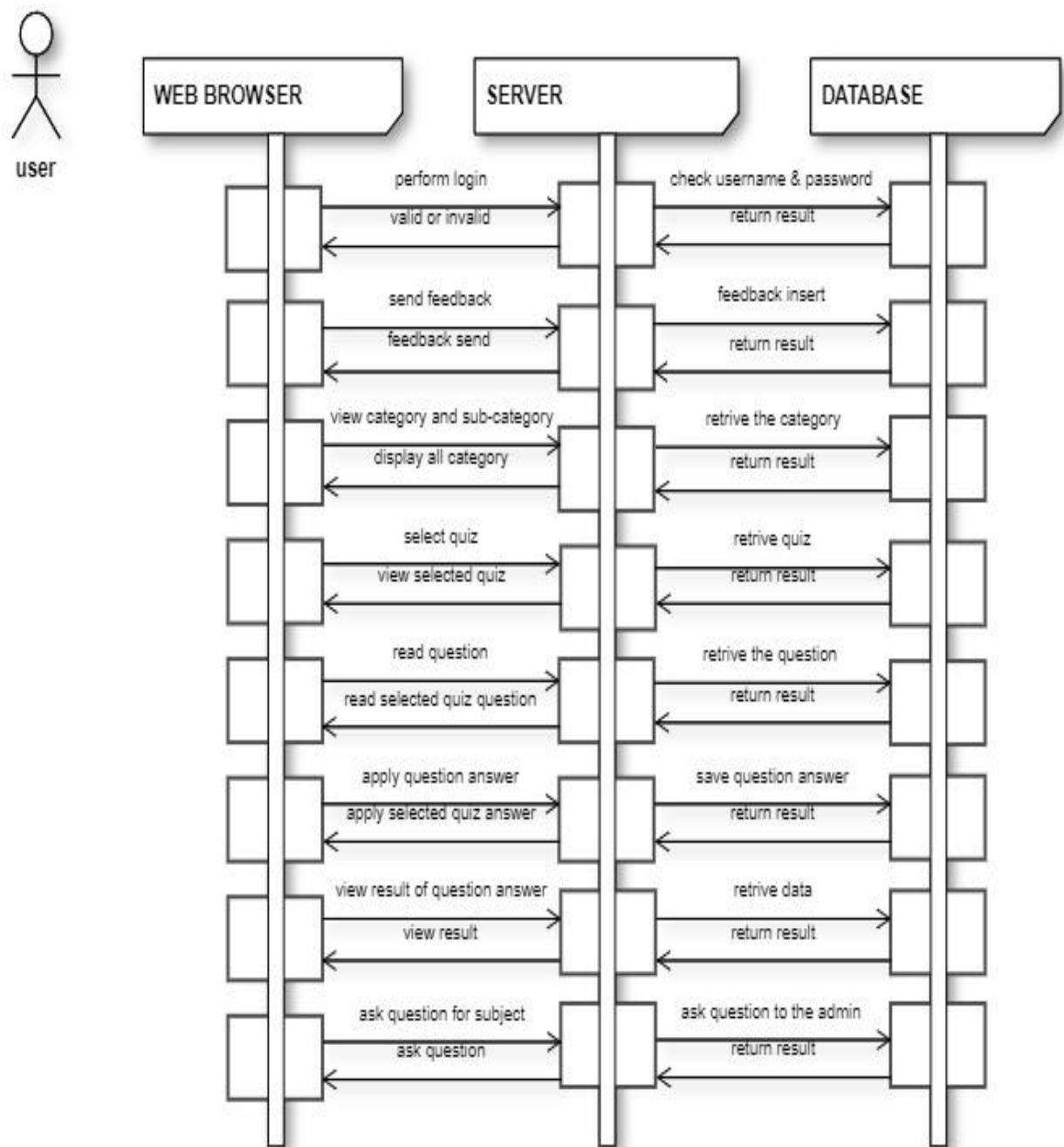
Admin:-



User:-



5.6 Sequence Diagram :-



CHAPTER-6: -

System Design

6.1 The Database Design :

admin_login

No.	Field name	Data type	Constraint
1	a_id	Int (5)	Primary Key
2	a_name	Varchar2(30)	-
3	a_password	Varchar2(25)	-

user_registration

No.	Field name	Datatype	Constraint
1	u_id	Int (5)	Primary key
2	u_name	Varchar2(50)	-
3	u_email	Varchar(20)	-
4	u_password	Varchar(20)	-
5	u_contact-no	Int(15)	-
6	u_education	text	-

oq_category

No.	Field Name	Data Type	Constraint
1	c_id	int(5)	Primary key
2	c_name	Varchar2(100)	-
3	c_image	Text	-

oq_examdetail

No.	Field name	Data type	Constraint
1	e_id	Int (5)	Primary key
2	e_image	text	-
3	c_id	Int(20)	-
4	title	Varchar(150)	-
5	total_marks	Int(50)	-
6	total_questions	Int(50)	-
7	total_time	Text	-
8	exam_date	Text	-
9	per_que_mark	Int(50)	-

question_master

No.	Field name	Data type	Constraint
1	q_id	Int (10)	Primary Key
2	e_id	Int (10)	-
3	question	Varchar(300)	-
4	option1	Varchar(100)	-
5	option2	Varchar(100)	-
6	option3	Varchar(100)	-
7	option4	Varchar(100)	-
8	answer	Varchar(50)	-

result_master

No.	Field name	Datatype	Constraint
1	r_id	Int (15)	Primary key
2	e_id	Int(10)	-
3	u_id	Int(20)	-
4	result	Text	-
5	r_date	Text	-

oq_feedback

No.	Field name	Datatype	Constraint
1	f_id	Int(5)	Primary key
2	name	Text	-
3	f_subject	Varchar(150)	-
4	f_description	Text	-
5	f_date	Text	-

faq_tbl

No.	Field name	Data type	Constraint
1	fa_id	Int (5)	Primary Key
2	fa_question	Varchar(500)	-
3	fa_answers	Varchar(500)	-

CHAPTER-7

Implementation Planning

7.1 Implementation Environment :-

This application is made by keeping in mind the basic concept of website development, the application can be used by each of the person at a time on their respective systems. At a time more than one user can view this website.

This application is also made in such a way as to provide user with the most effective Graphical Interface so that the user can easily search out for different places and navigate through out the website with the ease of using this application.

So, as the conclusion of above two points, this application is having the multiuser and effective GUI environment for the users.

7.2 Program/Module Specification :-

There are Two Modules Available in this Project.

- ❖ Front End.
- ❖ Admin Part.

1. Front End:

- Front End provide price and detail of two wheeler engine parts like connecting rod ,engine valve, cam shaft , rocker arm.

2. Admin Part:

- Admin can insert, update and delete data or information which are displayed to the end user.

7.3 Sample Coding:-

❖ Login.php

```
<?php
session_start();
include"connection.php";
if(isset($_POST['btnok']))
{
    $nm=$_POST['nmtxt'];
    $pw=$_POST['pwtxt'];
```

```

$q="SELECT*fromuser_registrationWHEREu_name='".$nm'
ANDu_password='".$pw."'";
$c=mysqli_query($con,$q);
$r=mysqli_num_rows($c);
if($r>=1)
{
    $_SESSION['user']=$un;
    while($rr=mysqli_fetch_array($c))
    {
        $_SESSION['user_id']=$rr['u_id'];
    }
    ?>
<script>
    alert("Successfully Sign-up");
    window.location="index.php";
</script>
<?php
}
else
{
    ?>
<script>
    alert("Invalid Username and Password...");
    window.location="login.php";
</script>
<?php
}
?>
<!DOCTYPEhtml>
<html lang="en">

<head>
    <met charset="utf-8">
    <title>Welcome! to Online Quiz</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="Free HTML Templates" name="keywords">
    <meta content="Free HTML Templates" name="description">

    <!-- Favicon -->
    <link href="img/favicon.ico" rel="icon">

    <!-- Google Web Fonts -->
    <link rel="preconnect" href="https://fonts.gstatic.com">

    <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700&display=swap" rel="stylesheet">

```

```

<!-- Font Awesome -->
<link href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css" rel="stylesheet">

<!-- Libraries Stylesheet -->
<link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">

<!-- Customized Bootstrap Stylesheet -->
<link href="css/style.css" rel="stylesheet">
</head>

<!--Topbar Start -->
<div class="container-fluid d-none d-lg-block">
    <div class="row align-items-center py-4 px-xl-5">
        <div class="col-lg-3">
            <a href="" class="text-decoration-none">
                <h1 class="m-0"><span class="text-primary">Q</span>uiz</h1>
            </a>
        </div>
    </div>
</div>
<!--Topbar End -->

<!-- Header Start -->
<div class="container-fluid page-header" style="margin-bottom: 90px;">
    <div class="container">
        <div class="d-flex flex-column justify-content-center" style="min-height: 300px">
            <h4 class="display-4 text-white text-uppercase">LOGIN</h4>
            <div class="d-inline-flex text-white">
                <p class="m-0 text-uppercase"><a class="text-white" href="index.php">Home</a></p>
                <i class="fa fa-angle-double-right pt-1 px-3"></i>
                <p class="m-0 text-uppercase">Login</p>
            </div>
        </div>
    </div>
</div>
<!-- Header End -->

<div class="container-fluid py-2">
    <div class="container py-2">
        <div class="text-center mb-5">
            <h1>User Login</h1>
        </div>

```

```

<div class="row justify-content-center">
    <div class="col-lg-8">
        <div class="contact-form bg-secondary rounded p-5">
            <div id="success"></div>
            <form action="#" method="post">
                <div class="control-group">
                    <input type="text" class="form-control border-0 p-4" name="nmtxt" placeholder="Enter Your User Name" required="required" data-validation-required-message="Please enter your name"/>
                    <p class="help-block text-danger"></p>
                </div>
                <div class="control-group">
                    <input type="password" class="form-control border-0 p-4" name="pwtxt" placeholder="Enter Your Password" required="required" data-validation-required-message="Please enter a password"/>
                    <p class="help-block text-danger"></p>
                </div>
                <br>
                <div class="text-center">
                    <button class="btn btn-primary py-3 px-5" type="submit" name="btnok" id="sendMessageButton">Sign up</button>
                    &ampnbsp&ampnbsp&ampnbsp&ampnbsp&ampnbsp;
                    <button class="btn btn-primary py-3 px-5" type="reset" name="btnc1" id="sendMessageButton">Cancel</button>
                </div><br>

                Not registered?
                <a href="registration.php" class="hyperlink">Create Account</a><br>
            </form>
        </div>
    </div>
</div>

<?php
    include "footer1.php";
?>

```

7.4 Coding Standard:-

- ❖ To Develop Our Web Application, We Have used Standard Designing tools to get Very Well User Interface.
- ❖ To Provide the Validation Process Before Data Submission we Used a Standard Technology which Called JavaScript.
- ❖ Into the Second Part is also Known as Back End, we Used a Standard MY_SQL Server which will Give as a Very Simple Interface to Access or Perform all the Command(query) and Very Simple Database Connectivity.
- ❖ We Used Biggest and Greatest Scripting Language Called Hypertext Pre-Processer (PHP) to Access all the data and Information in Dynamic Approach.
- ❖ Now Second Thing is That We Used All the Variable Name, All the Database object name, All the Field Name of database object are Very User-Friendly So, Every User Can Easily Understood that, Purpose.

In Last We Provide One Simple Comment into Every Page Which gives Us Information about Develop.

CHAPTER-8

Result Analysis

8.1 Testing Standards :-

Web testing is a Software testing Practice To test website or web application for potential bugs. It's a complete testing of web-based application before making live.

8.2 Testing Strategies :-

Black Box testing should Make Use of randomly Generated Inputs (only a test range should be specified by the tester), to eliminate any guess Work by the tester as to the methods of the function.

Data outside of the specified input range should be tested to check the robustness of the program.

Boundary cases should be tested (top and bottom of specified range) to make sure the highest and lowest allowable inputs produce proper output.

The number zero should be tested when numerical data is to be input.

Stress testing should be performed (try to overload the program with inputs to see where it reaches its maximum capacity), especially with real time systems.

Crash testing should be performed to see what it takes to bring the system down.

Other Functional testing techniques include: transaction testing, syntax testing, domain testing, logic testing, and state testing.

Finite state machine models can be used as a guide to design functional tests.

8.2.1 Unit Testing :

Once the interface design is gets finalized the coding is a start and that different kind of testing are requires. This includes in the title of unit testing in this each unit is tested separately or individually. It includes following testing.

- ❖ Condition testing.
- ❖ Loop testing.
- ❖ Functionality testing.
- ❖ Constraint testing.

- ❖ Code testing

8.2.2 Integration Testing :

After our individual modules where testes out we go to the integrated to create a complete system. The integration process involves building the system and testing the resultant system for problems that arise from component interactions.

We have applied top-down strategy to validate high-level components of a system before design and implementation have been completed. Because, our devilmnt process started with high-level components and we worked down the component hierarchy.

8.2.3 System Testing :

A System testing is a critical process that can take as much as 50% of the system development time. The common view of testing held by users that it is performed to prove that there are no errors in a program. However, as indicated earlier, this is virtually impossible, since the analyst cannot prove that software is free and clear of errors.

The tested, who may be an analyst, a programmer or a specialist trained in software testing, is actually trying to make a program fail. A successful test is one that finds an error.

8.3 Testing Methods :-

Load Testing:

A system that works well with one user may completely break down with several hundred or more users. Load testing helps to evaluate how well a system holds up under light, medium and heavy use.

Black Box Testing:

It takes an external perspective of the test object to derive test cases. These tests can be functional or non-functional, though usually functional. The test designer selects valid and invalid input and determines the correct output. There is no knowledge of the test object's internal structure. Black Box Testing is testing without knowledge of the internal workings of the item being tested. For this reason, the tester and the programmer can be independent of one another, avoiding programmer bias toward his own work. Due to the nature of black box testing, the test planning can begin as soon as the specifications are written. This method of test design is applicable to all levels of software testing: unit, integration, functional testing, system and acceptance.

White Box Testing:

The opposite of black box testing would be glass box testing, where test data are derived from direct examination of the code to be tested. For glass box testing, the test cases cannot be determined until the code has actually been written. Both of these testing techniques have advantages and disadvantages, but when combined, they help to ensure thorough testing of the product. Software testing approaches that examine the program structure and derive test data from the program logic. Structural testing is sometimes referred to as clear-box testing since white boxes are considered opaque and do not really permit visibility into the code.

Unit Testing:

In Unit testing each module is tested alone in an attempt to discover any errors in the code, i.e. all executable source code Will be subject to test. It verifies that certain parts of the code are working properly. NUnit testing tool will be used to perform the unit testing.

Performance Testing:

This will be performed to test the entire system to see whether all driving requirements are, satisfied. Allowing multiple users log into the system and perform the operations at the same time using the JMeter testing tool will do this. This test verifies that the components of the systems meet the stated requirements for speed.

Objective of testing:

The main purpose of testing and information system is to find the errors and correct them. A successful test is one finds an errors.

To discuss the distinctions between validation testing and defect testing.

To describe the principles of system and component testing.

To describe strategies for generating system test cases.

To understand the essential characteristics of tool used for test automation.

Testing is a process of executing a program with the intent of finding an error.

A good test case is one that has a high probability of finding an undiscovered error.

To ensure customer satisfaction, enhance business and set a good reputation for the software developer.

8.4 Testing Cases :-

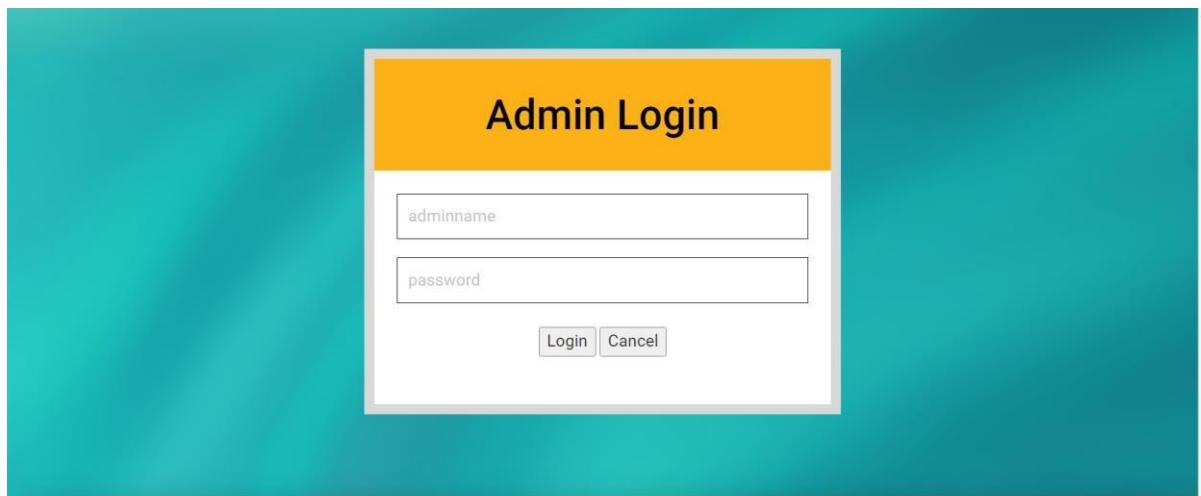
Case File	Text Data	Expected	Actual	Status
		Result	Result	
Registration	Name,Email, Password,etc.	Registration Successfully	Data Insert Into Database	True
Login	Email&Password	Login Successfully	Check UserName& Password	True
Insert/Update Company	Name, Id, Image.	Insert/Update Data Successfully	Insert/Update Company Details.	True

Insert/Update Product	Name, Id, Image, Description, Price.	Insert/Update Data Successfully	Insert/Update Product Details.	True
Update FeedBack	Username, Message, Email, Subject, Date.	Update FeedBack Successfullly	Update FeedBack Details.	True
Log Out	Session Id	LogOut Successfully	Log Out	True

CHAPTER-9

User Manual

Admin Login Page:



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Admin Home Page:

A screenshot of the Admin Home Page. On the left is a vertical sidebar with icons for navigation. The main area has a teal header with the word "Quiz". Below the header is a large white box containing three colored cards: blue, orange, and green. The blue card shows "1.0m Likes". The orange card shows "12K Comments". The green card shows "557K Views". At the bottom of the main area is a grey bar with the text "Welcome".

Admin User Management Page :

Quiz

Manage User Table

U_ID	U_NAME	U_EMAIL	U_PASSWORD	U_CONTACT	U_EDUCATION	ACTION
9	meet	meet@gmail.com	meet117	1234567890	studying	
10	parth	parth@gmail.com	parth123	2147483647	studying	
11	param	param@gmail.com	param@123	123467895	studying	

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Admin View Category Page:

Quiz

Category Listing

Add New Category

C_ID	NAME	C_IMAGE	ACTION
1	Sports		
2	Programming Languages		

Admin Add Category Page:

The screenshot shows a web-based administrative interface for managing categories. On the left, a vertical teal sidebar contains icons for navigation: home, users, categories, exams, reports, settings, and help. The main header "Quiz" is displayed in orange. A user profile icon is in the top right corner. The central content area has a title "Add New Category". It includes fields for "Category Name" (with placeholder "Enter Category Name") and "Category Image" (with a "Choose File" button showing "No file chosen"). Below these are two buttons: "Insert" (green) and "Cancel" (red). At the bottom of the page, a copyright notice reads: "© 2022 Devipoed At GP Rajkot .All Rights Reserved . Design by Nishit Davda,Parth Patdiya,Meet Chavda."

Admin Exam Detail Page:

The screenshot displays the "Exam Listing" page. The top right features an orange "Add New Category" button. The main table lists six exams with the following details:

EID	IMAGE	CID	TITLE	TOTAL-MARKS	TOTAL-QUESTION	TOTAL-TIME	EXAM DATE	PER-QUE-MARK	ACTION
1		Sports	Cricket	20	10	90	12/5/2022	1	
2		Sports	Football	20	10	90	12/5/2021	1	
3		Sports	Hockey	20	10	90	12/5/2023	1	
4		Programming Languages	Java	20	10	90	12/5/2021	1	
5		Programming Languages	C/C++	20	10	90	12/5/2021	1	
6		Programming Languages	Php	20	10	90	12/5/2023	1	

Admin Add New Exam Detail Page :

Exam Image

Choose File No file chosen

Select Language

Select Language

Title

enter exam title

total_marks

enter exam total marks

total_questions

enter exam total questions

total time

enter exam total time in minutes

exam date

enter exam date

per_que_mark

enter exam per questions marks

Insert

Cancel

Admin View Quiz Page :

Q_ID	E_ID	QUESTION	OPTION1	OPTION2	OPTION3	OPTION4
1	Cricket	International governing body of Cricket is?	CCI	GCI	LIC	ICC
2	Cricket	Sachin Tendulkar scored world's first 200 runs in ODI of ___ balls.	147	148	157	197
3	Cricket	Who has taken the highest number of wickets in Test Cricket?	Muttiah Muralitharan	Shane Warne	Anil Kumble	Shoaib Akhtar
4	Cricket	In which world cup cricket final, Australia beat England?	1983, Lord's - England	1987, Kolkata - India	1992, Melbourne - Australia	1996, Lahore - Pakistan
5	Cricket	In which city was the Sri Lankan cricket team attacked in March 2009?	Dhaka	Lahore	Kabul	Colombo

Quiz Listing

Add New Quiz

Admin Add New Quiz Page :

Add New Quiz

Select Language
Select Exam

Question
enter question

Option 1
enter option1

Option 2
enter option2

Option 3
enter option3

Option 4
enter option4

Answer Select Options

Insert Cancel

Admin Result Page :

Result Listing

Add New Result

R_ID	E_ID	U_ID	RESULT	R_DATE	ACTION
1	Java	meet	1	24-05-2023	
2	Cricket	meet	6	24-05-2023	
4	Hockey	meet	5	24-05-2023	
5	C/C++	meet	3	24-05-2023	
6	Php	meet	1	24-05-2023	
7	Cricket	meet	7	28-05-2023	
8	Cricket	meet	7	03-06-2023	
9	Cricket	param	4	03-06-2023	
10	Cricket	param	7	05-06-2023	
11	Java	meet	4	05-06-2023	
12	Football	meet	3	06-06-2023	
13	Cricket	meet	10	07-06-2023	

Admin Add New Result Page :

Add New Exam

Select Language
Select Exam

Select User
Select User

Result
enter result

Result Date
enter result date

Insert Cancel

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Admin Feedback Page :

Quiz

Feedback Listing

F_ID	NAME	F SUBJECT	F DESCRIPTION	F_DATE	ACTION
1	kishan	work	nice work on this concept.	08-06-2023	

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Admin FAQ Page :

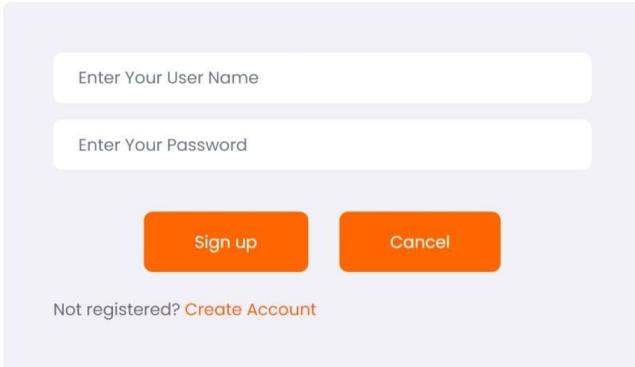
The screenshot shows a web-based administration interface for a quiz system. On the left, there is a vertical toolbar with icons for file operations, user management, and other system functions. The main header "Quiz" is displayed in orange. A sub-header "FAQ Listing" is centered above a table. The table has four columns: "FAQ_ID", "FAQ_QUESTION", "FAQ_ANSWER", and "ACTION". There is one row of data with the following values: FAQ_ID 1, FAQ_QUESTION "when new upload quiz ?", FAQ_ANSWER "New week", and ACTION buttons for edit and delete. An "Add New FAQ" button is located in the top right corner of the listing area. At the bottom of the page, a copyright notice reads: "© 2022 Devipoed At GP Rajkot .All Rights Reserved . Design by Nishit Davda,Parth Patdiya,Meet Chavda."

Admin Add New FAQ Page :

The screenshot shows the "Add New FAQ" form within the same administration interface. The form has two main input fields: "FAQ QUESTION" and "FAQ ANSWER", both with placeholder text "enter FAQ's QUESTION?" and "enter FAQ's ANSWER.". Below the form are two buttons: "Insert" (green) and "Cancel" (red). The copyright notice at the bottom of the page is identical to the previous screenshot: "© 2022 Devipoed At GP Rajkot .All Rights Reserved . Design by Nishit Davda,Parth Patdiya,Meet Chavda."

User Login Page :

User Login



The image shows a user login form. It consists of two input fields: "Enter Your User Name" and "Enter Your Password", both with placeholder text. Below the fields are two orange buttons: "Sign up" on the left and "Cancel" on the right. At the bottom of the form is a link: "Not registered? [Create Account](#)".

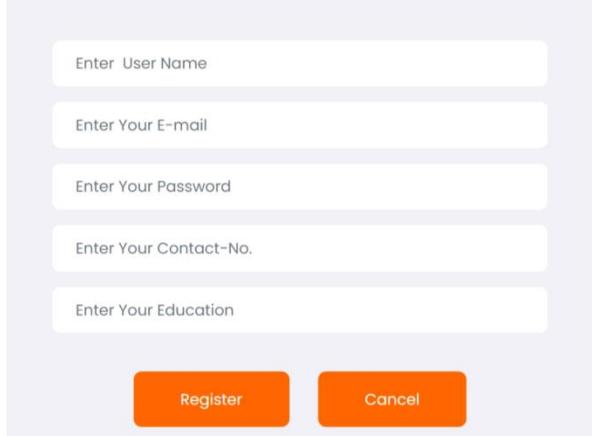
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Privacy Terms FAQs Help 

User RegistrationPage :



User Registration



The image shows a user registration form. It contains five input fields: "Enter User Name", "Enter Your E-mail", "Enter Your Password", "Enter Your Contact-No.", and "Enter Your Education". Below the input fields are two orange buttons: "Register" on the left and "Cancel" on the right.

User Home Page :

Quiz

Home Category Contact Result Logout

BEST ONLINE QUIZZES

Best Education From Your Home

ABOUT US

Innovative Way To Learn

In an educational context, a quiz is usually a form of a student assessment, but often has fewer questions of less difficulty and requires less time for completion than a test.^[5] This use is typically found in the United States, Canada, the Philippines, Dominican Republic and Australia. In a classroom, in a mathematics classroom, a quiz may check comprehension of a type of mathematical exercise. Some instructors schedule a daily or weekly quiz ranging from five to thirty relatively easy questions for the purpose of having the students review their previous lessons before attending the next class. A "pop quiz" is a quiz that students are given no time to prepare for; they are simply surprised with it in class.

[Learn More](#)

TESTIMONIAL

“

best interest. To accuse others for one's own misfortune is a sign of want of education. To accuse others for one's own misfortune shows that one's education has begun. Neither oneself nor others shows that one's education is complete.

● ● ●

GET IN TOUCH

GP.Rajkot, Gujarat, INDIA
+91 9714598794
info@example.com

QUICK LINKS

About
Exams
Results
Contact

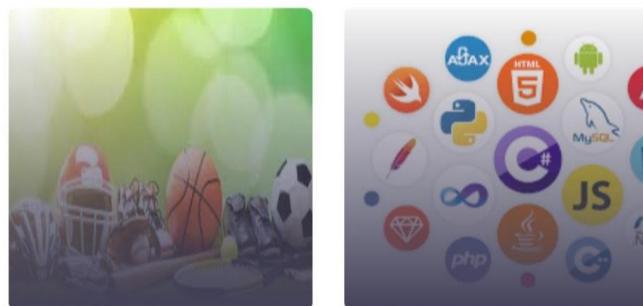
NEWSLETTER

Quiz-Competition are much common to Users. Many Users are much eages, and interested to take part in those competitions.Quiiz-Competition refers to the competition in which users are asked questions of all kind in relation to their current life. Often the Questions Meble to the extra-curricular subjects also.

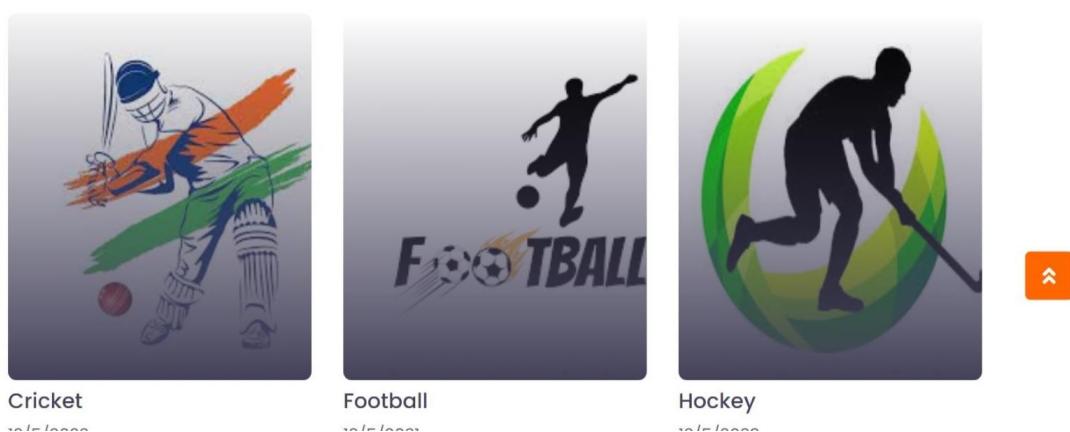
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Privacy Terms FAQs Help

User CategoryPage :



User Exam Selection Page :



User Exam Detail Page :



CATEGORY NAME: Sports

TITLE: Cricket

TOTAL-MARKS: 20

TOTAL-QUESTIONS: 10

TOTAL-TIME: 90

EXAM-DATE: 12/5/2022

PER-QUE-MARK: 1

Apply



—

User Exam Page :

Quiz

Home Category Contact Result Logout



Time left: 01:21

Que-1 International governing body of Cricket is?

A ODI
B GCI
C IUC
D ICC

Que-2 Sachin Tendulkar scored world's first 200 runs in ODI of ___ balls.

A 147
B 148
C 157
D 197

Que-3 Who has taken the highest number of wickets in Test Cricket?

A Muttiah Muralitharan
B Shane Warne
C Anil Kumble
D Shoaib Akhtar

Que-4 In which world cup cricket final, Australia beat England?

A 1983, Lord's - England
B 1987, Kolkata - India
C 1992, Melbourne - Australia
D 1996, Lahore - Pakistan

Que-5 In which city was the Sri Lankan cricket team attacked in March 2009?

A Dhaka
B Lahore
C Kabul
D Colombo

Que-6 Full form of ICC is _

A India Cricket Council
B International Cricket Committee
C International Cricket Council
D Intercontinental Cricket Corporation

Que-7 Which of the following countries do not play International Cricket?

A Russia
B Namibia
C USA
D Scotland

Que-8 Who won the First Women's Cricket World Cup played in 1973?

A Australia
B New Zealand
C England
D India

Que-9 In cricket, what term is used to describe the situation when a batsman is out on the first ball of the match?

A King pair
B Golden duck
C Diamond duck
D Royal duck

Que-10 How many times has India won the Asia Cup?

A 5
B 6
C 7
D 8

Submit

User Result Page :

User Result

NO.	NAME	EXAM TITLE	RESULT	RESULT DATE
1	meet	Java	1	24-05-2023
1	meet	Cricket	6	24-05-2023
1	meet	Hockey	5	24-05-2023
1	meet	C/C++	3	24-05-2023
1	meet	Php	1	24-05-2023
1	meet	Cricket	7	28-05-2023
1	meet	Cricket	7	03-06-2023
1	meet	Java	4	05-06-2023
1	meet	Football	3	06-06-2023
1	meet	Cricket	10	07-06-2023

User Contact Page :

CONTACT

Contact For Any Query

CHAPTER-10

Limitation And Future Enhancement

10.1 Suggestion For Future Enhancement:-

- ❖ We Can Develop A Website For User Which Can Operate By Mobile.
- ❖ We Can Show Progress Bar While Any Data Downloading.
- ❖ We Can Add Email Interface For Any Query.

10.2 References And Bibliography: -

- ❖ libraryhub.com
- ❖ <https://www.w3schools.com>
- ❖ <https://www.tutorialspoint.com>