



SSR COLLEGE OF ARTS, COMMERCE & SCIENCE SILVASSA

(Affiliated to Savitribai Phule Pune University, NAAC Accredited with B+ Grade)

Submitted to the partial fulfillment of

**S.Y BBA(CA)
2021-2022**

Project Work

“QUIZ HUB”

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Submitted By:

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- 2. BIPUL BERA**



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(Affiliated to Savitribai Phule Pune University, NAAC Accredited with B+ Grade)

Sayli, Silvassa-396230, D&N.H

Department of Computer Application

CERTIFICATE

This is to certify that Mr. **AMAN KUMAR GUPTA** & Mr. **BIPUL BERA** of S.Y.B.B.A [Computer Application] has successfully completed his project work on the topic **QUIZ HUB** in the academic year 2021-2022.

Project Guide

H.O.D

Seal of the College

Internal Examiner

External Examiner

ACKNOWLEDGEMENT

It is a great pleasure to acknowledge and express our deep sense of gratitude to **SSR College of ARTS COMMERCE & SCIENCE** for giving an opportunity to such project.

I extremely grateful and remain indebted to our guide **Mr VISHAL LANGALIYA** for being a source of inspiration and for his constant support in the Design, Implementation and Evaluation of the project. I am thankful to him, for his constant constructive criticism and valuable suggestions, which benefited us a lot while developing the project on **QUIZ HUB**. He has been a constant source of inspiration and motivation which helped us to complete this project successfully.

I would like to thank Savitribai Phule Pune University for providing us an opportunity to apply our knowledge and skills in a practical environment as a part of curriculum for **S.Y.B.B.A [Computer Application]**.

Lastly but significantly, we express sincere gratitude to all our friends and fellow students at SSR College for their help and timely advice on various occasions during this project.

Project Members:

- **AMAN KUMAR GUPTA**
- **BIPUL BERA**

ABSTRACT

The project titled “**QUIZ HUB**” is designed with IDE-Visual STUDIO (HTML, CSS, JAVASCRIPT, PHP) as front end and XAMPP as back end.

The quiz are designed on topics of programming language like html, php, cpp, networking. Here to access resources learner need to first register himself and then login to give quiz. Registration, quiz scores, feedbacks will be maintained in database.

This system is implemented to enhance to knowledge of learner in programming field. The Webpages are made in userfriendly interface to grab the screen quickly. The system is totally built at users end(client side).

This project report documents the process of designing and developing a webpages to be used in e-learning. The design form and the data report screenshots, advantages and limitations data dictionary, and future enhancement have been included.

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1. INTRODUCTION

1.1 INTRODUCTION TO SYSTEM

“QUIZ HUB” is a desktop application. This system is developed to enhance e-learning. Through this system a learner could track his/her knowledge, progress and do a proper assessment. Before moving into the new section, these also allow you to know the correct and wrong answers enabling you to grasp some new knowledge.

E-quizzes encourage students to engage and learn creatively. Students ask questions, search new topics, engage, fail, pass, and do everything that makes them understand. Learning becomes interesting even more when students participate in quizzes. The webpages is designed on interactive Multiple choice Question's on different categorized topics of programming languages. The topics are well designed as subjects topic in user profile page.

In profile page a user can see his results on past attempts, can attempt it again, also leave a feedback, lastly logout from the session.

After successful login the user comes to profile page where he can opt to his desired quiz. The project has been developed to promote smart learning and way to paperless society which is far better then pen and paper tests which involves a huge usage of papers.

The user can access the every visible links on the pages as it is client side.

1.2 SCOPE OF THE SYSTEM

The program deals with creating a e-learning environment which will increase the knowledge of students by attempting the quiz

Scopes that have been considered during the development of the project are as follows:

1. User Friendly
2. Menu Driven Interface
3. Easily Upgradable
4. Data Retrieval, Updating, Insertion
5. System Consistency
6. Allowing Keyboard Inputs
7. Taking care of Computing time
8. Easy Database Handling

2. TOOL INFORMATION

2.1 FRONT END TOOL

MICROSOFT VISUAL STUDIO

It is an Intergrated Development Environment from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services, and mobile apps. It supports 36 different programming languages. The most basic edition of Visual Studio, the Community edition, is available free of charge. Under which we wrote html, css, php pages.

Visual Studio includes a code editor supporting IntelliSense(the code completion component).

It makes it very easy to get the user interface portion of your application up and running. It provides a fast way to work under web development.

To develop any system with the back-end tools which provide access to the database and also solves the database queries, to make system interactive with the user, the use of front end tools comes into the picture. The front-end tools make the user interface with the system easier and also provide a user-friendly environment to the system.

2.2 BACK END TOOL

XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

It has got the following advantages:

- Define a database
- Query the database
- Add, update and delete the data
- Modify the structure of the database
- Secure data from public access.
- Communicate within network
- Export and import data

SQL is a structured query language that we use to communicate with XAMPP server.

3 .ANALYSIS

3.1 FEASIBILITY STUDY

The objective of the feasibility study is to solve the problem and to acquire the ease of its scope. Feasibility means practicable. The feasibility analysis focuses on the fact that whether the project will be acceptable or not. If the feasibility analysis confirms that the project is feasible, it can be taken up for development. In preliminary investigation we found that project feasible.

Types of Feasibility:

a. Operational Feasibility

Operational feasibility makes a mark on whether the project can be done with full requirements that the clients provide or not. Includes following:

1. Analysing all requirements.
2. Can be done in given period of time or not.

b. Technical Feasibility

Technical feasibility takes into account the technical aspect of the project includes the following:

1. Whether the project can be implemented with the existing technology or not.
2. Whether the project technically compatible or not.

c. Economical Feasibility

It determines whether the requirement software is capable of generating financial gains for an organization. It involves the cost incurred on the software development team estimated cost of hardware and cost of performing feasibility study and so on.

Studying the feasibility of the project, the project can be implemented with the given period of time and with the existing or specified technology. Hence, we can conclude that this project is feasible.

4. SOFTWARE AND **HARDWARE** **REQUIREMENTS**

4.1 SOFTWARE REQUIREMENT

Software used in the designing (code) of the system:

Operating system: Windows 2010

Application Softwares:

- ✓ Microsoft Visual Studio [Front-End Tool]
- ✓ XAMPP [Back-End Tool]

4.2 HARDWARE REQUIREMENT

To run the application software of the system in the computer, the minimum hardware configuration required is as below:

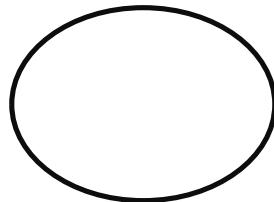
- 1.7 GHz Pentium processor or other compatible
- Intel chipset motherboard
- 4 GB DDR-RAM
- Color Monitor or LCD
- Keyboard
- Mouse
- Printer

5. SYSTEM DESIGN

5.1 DATA FLOW DIAGRAM

The data flow diagram are pictorial or graphical representation of the system study. The data flow covers all the processes and data storage area, which takes place during any transaction in the system. The data flow diagrams are functionally into context level, zero level diagrams.

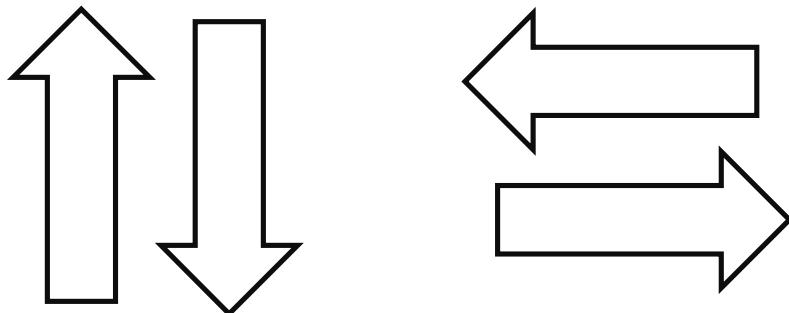
- a. **Process:** Here flow of data is transformed



- b. **External Entity:** A source or destination of data, which is external to the system.



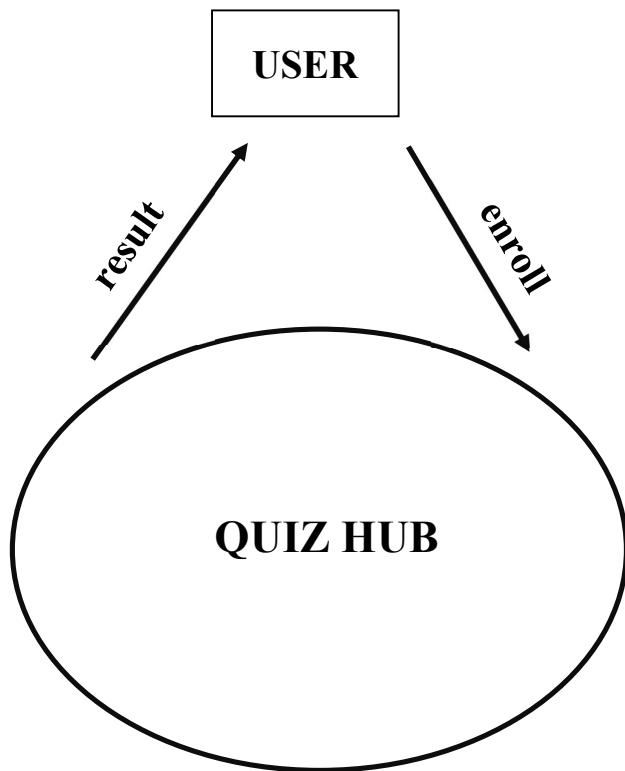
- c. **A Data Flow:** It is a packet of data. It may be in the form of document, letter, etc.



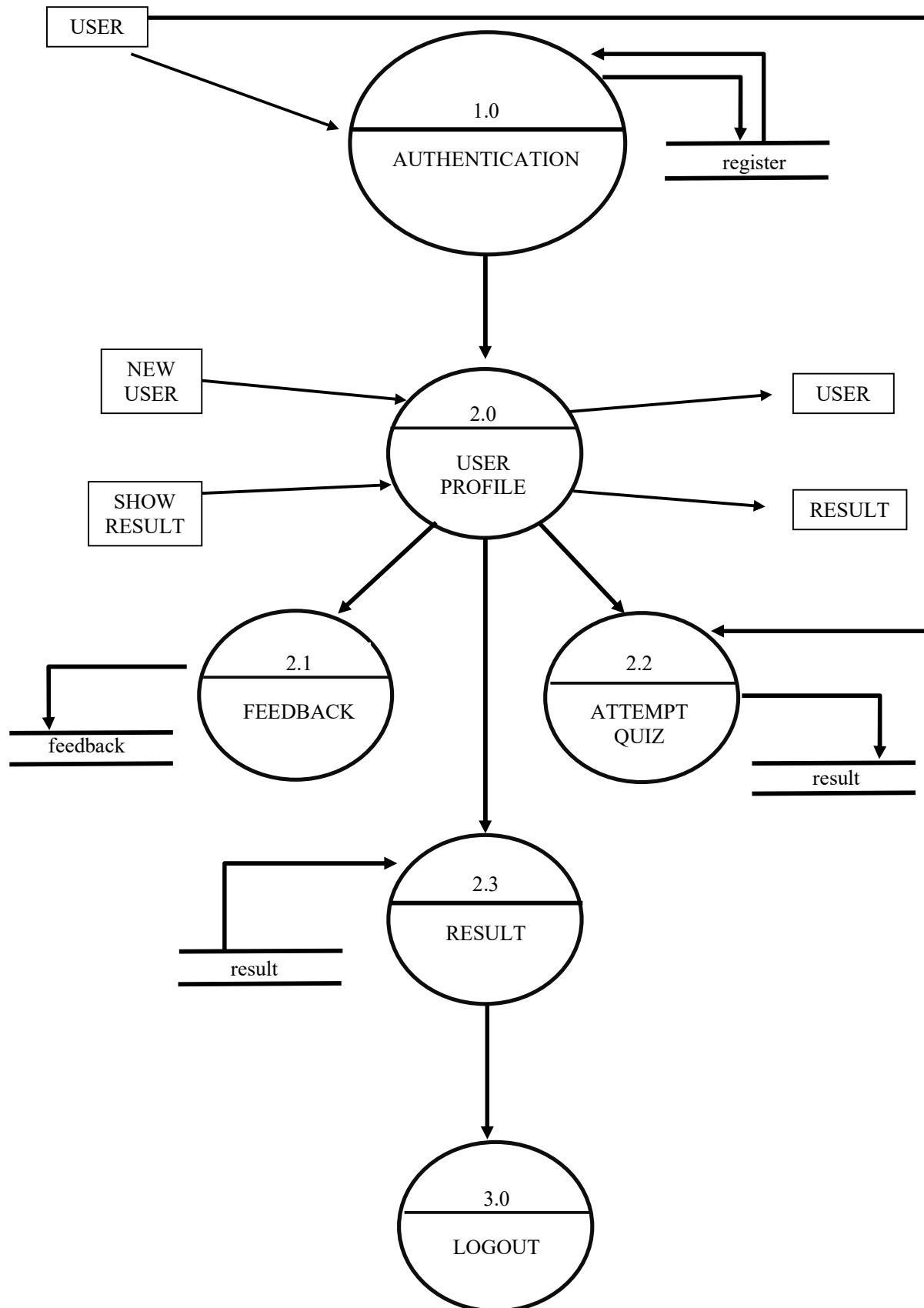
- d. **Data storage:** Any storage of data but with no reference to physical memory of storing.



ZERO LEVEL DATA FLOW DIAGRAM



FIRST LEVEL DATA FLOW DIAGRAM



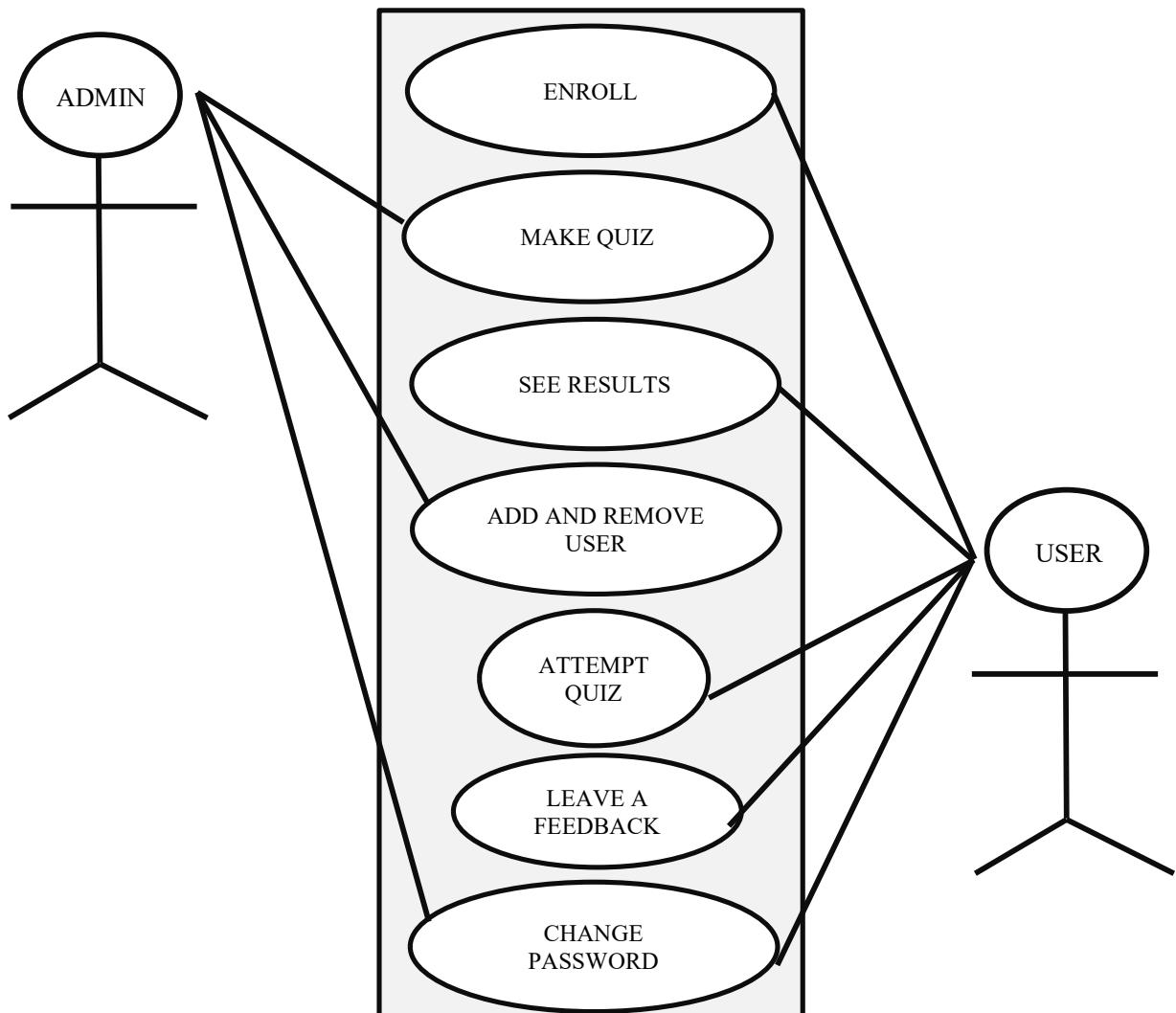
5.2 USE CASE DIAGRAM

A use case diagram is a graphical depiction of a user's possible interactions with a system. A use case diagram shows various use cases and different types of users the system has and will often be accompanied by other types of diagrams as well.

The use cases are represented by either circles or ellipses. It specifies the expected behavior and not the exact method of making it happen.

A use case diagram is usually simple. It does not show the detail of the use cases:

- It only summarizes some of the relationships between use cases, actors, and systems.
- It does not show the order in which steps are performed to achieve the goals of each use case.



5.3 DATA DICTIONARY

Data dictionary is a repository that contains description of all the data objects consumed By the software. It is a list of names used by the system alphabetically. As well as the name, the dictionary should include a description of the named entity and, If the name represents of a composite object, there may be description of the name entity. Other information such as the date of creation, creator and the representation. Entity may also include depending on the type of module, which is being developed. The data dictionary software can check for name uniqueness and tell requirements analyst duplication.

It serves as store of organizational information which can link analysis, design, implementation and evolution. As the system is developed, information is taken to inform the development. New information is added in it. All information about entity is in one place.

DATA REPORTS :

TABLE : register

Field Name	Data Type	Description
srNo	int(5)	Auto increment
firstName	varchar(10)	Stores users first name
lastName	varchar(10)	Stores users last name
dob	date	Stores users D.O.B
email	varchar(30)	Stores users email
contact	bigint(10)	Stores users mobile no.
aadhar	bigint(12)	Stores users aadhar no.
username	varchar(10)	Stores users username
password	varchar(14)	Stores users password
gender	varchar(6)	Stores users gender
address	varchar(40)	Stores users address

TABLE : feedback

Field Name	Data type	Description
Datetime	timestamp	Auto Stores users input time
fullname	varchar(20)	Stores users fullname
email	varchar(20)	Stores users email-id
msg	varchar(70)	Stores users message

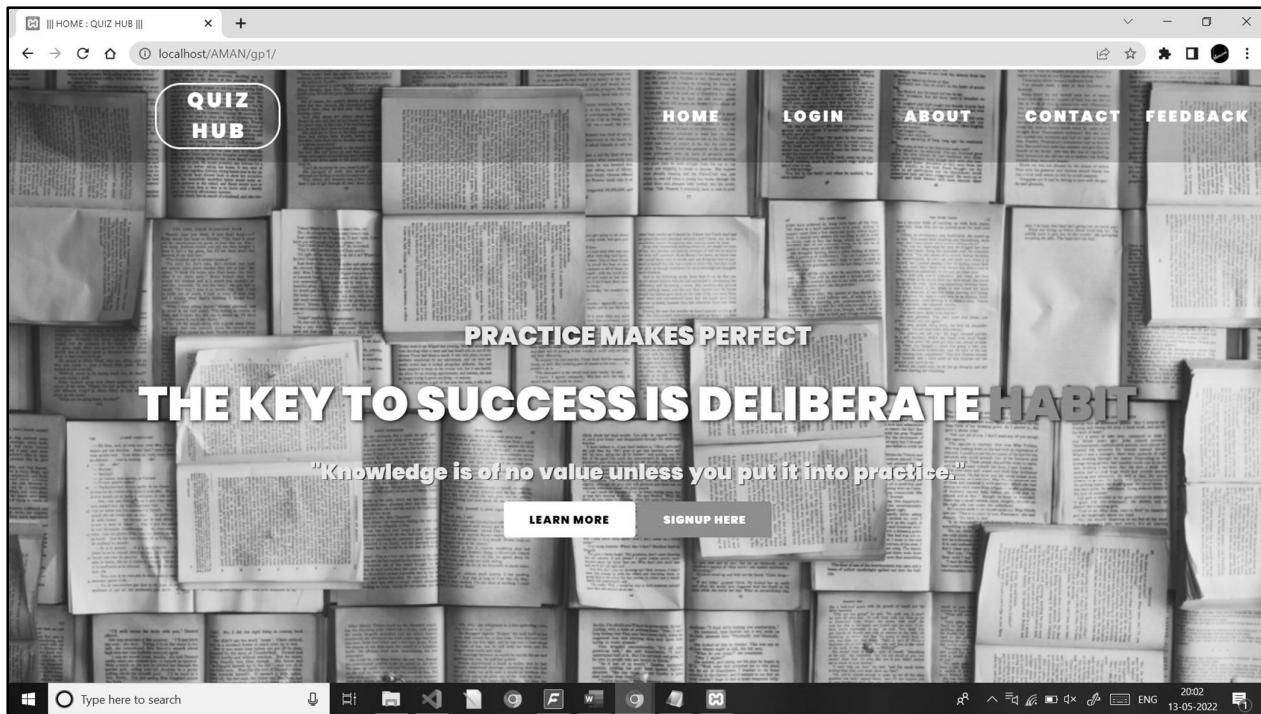
TABLE : result

Field Name	Data type	Description
datetime	timestamp	Auto stores users input time
username	varchar(10)	Stores users username
html	varchar(2)	Stores users html scores
php	varchar(2)	Stores users php scores
cpp	varchar(2)	Stores users cpp scores
network	varchar(2)	Stores users networking scores

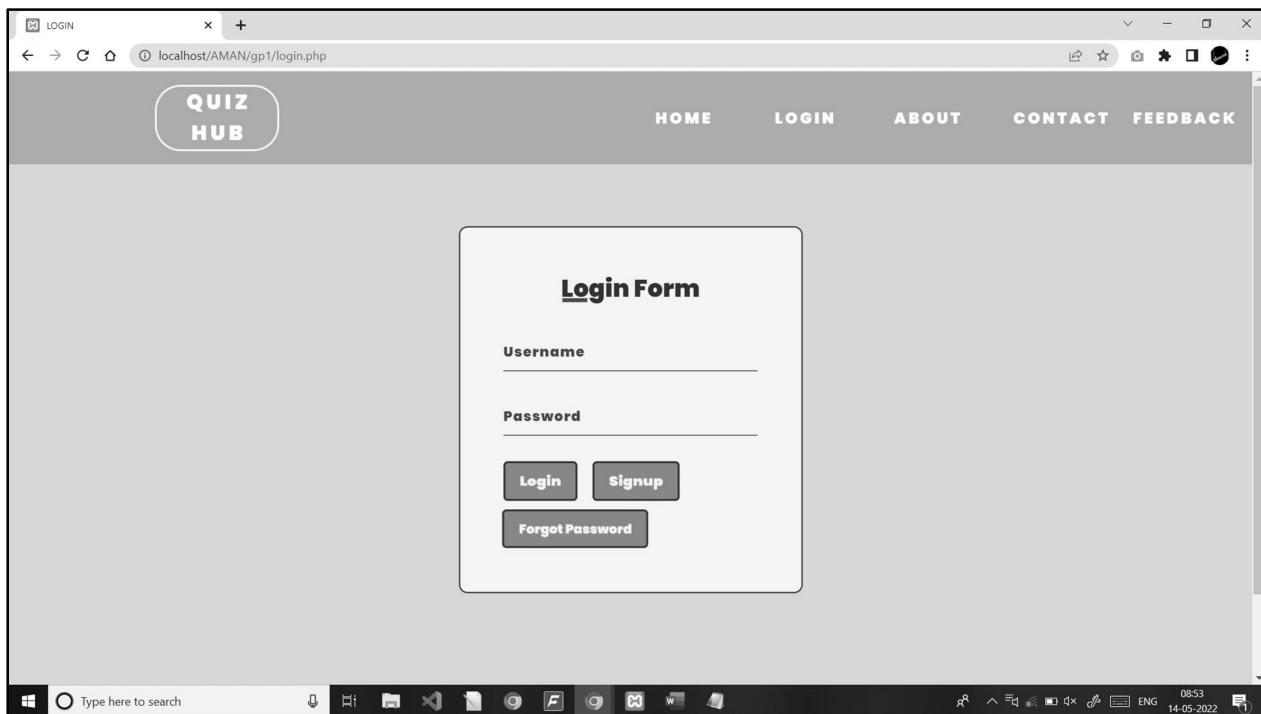
6. INPUT AND OUTPUT **DESIGN**

6.1 SCREENSHOTS

HOME FORM:



LOGIN FORM:



FORGET PASSWORD PAGE:

The screenshot shows a web browser window titled "FORGET PASSWORD" with the URL "localhost/AMAN/gp1/forgotpwd.php". The page has a header with a "QUIZ HUB" logo and navigation links for HOME, LOGIN, ABOUT, CONTACT, and FEEDBACK. The main content area contains a form titled "Forgot Password" with fields for "Username" and "Change Password", and a "Submit" button.

REGISTRATION FORM:

The screenshot shows a web browser window titled "REGISTRATION" with the URL "localhost/AMAN/gp1/register.php". The page has a header with a "SIGNUP PAGE" title. The main content area contains a form with fields for First Name, Last name, Date of Birth (DOB), Email, Contact, Aadhar No., Username, and Password. It also includes a Gender selection section with radio buttons for Male and Female, and a large Address input field. At the bottom are "Submit" and "Reset" buttons.

USERPAGE:

The screenshot shows a web browser window titled "User Page" with the URL "localhost/AMAN/gp1/userrequest.php". The page has a header with a "QUIZ HUB" logo and navigation links for HOME, RESULT, CONTACT, ABOUT, FEEDBACK, and LOGOUT. The main content area displays a message: "THANK YOU!!! USERNAME FOR PARTICIPATING WITH US". Below this, it says "Enjoy the top programming question to enhance your knowledge. Here, we have a quiz on topics :" followed by a list: 1.) HTML, 2.) PHP, 3.) CPP, 4.) NETWORKING. There is a dropdown menu labeled "Choose a Quiz Subject: HTML" and a "Submit" button. A footer message reads "Do suggest us at feedback form. We care our Valuable Clients." The taskbar at the bottom shows various pinned icons and the date/time "13-05-2022 20:18".

CONTACT PAGE:

The screenshot shows a web browser window with a header containing a "QUIZ HUB" logo and navigation links for HOME, LOGIN, ABOUT, CONTACT, and FEEDBACK. The main content area features a section titled "Contact Info" with three items: a location pin icon followed by "A-105 Aradhya Complex, IT Colony, Andheri(W)", a phone icon followed by "987-456-3210", and an envelope icon followed by "quizhub2022@gmail.com".

QUIZ 1: HTML FORM

QUIZ HUB

HOME **CONTACT** **ABOUT** **FEEDBACK**

WELCOME USERNAME

1. HTML STANDS FOR:

- Hyperlinks and Text Markup Language
- Hyper Text Markup Language
- Home Tool Markup Language

2. How many tags are there in a regular element?

- 2
- 1
- 3

3. What is the difference between an opening tag and a closing tag?

- Opening tag has a / in front
- There is no difference
- Closing tag has a / in front

4. < br > What type of tag is this?

- Break
- A broken one
- An opening tag

5. < body > is this an opening tag or a closing tag?

- opening
- closing

6. Where is the meta tag only found?

- The last page
- The home page
- The second page

7. What is an element that does not have a closing tag called?

- Empty element
- Closed element

8. You should save HTML files with which file extension?

- .htm
- .html
- .webpage

9. <input> is -

- a format tag
- an empty tag
- All of the above

10. The tags in HTML are :

- case-sensitive
- in upper case
- not case sensitive
- in lowercase

Submit **My Profile** **Logout**

QUIZ 2: PHP FORM

QUIZ HUB

HOME **CONTACT** **ABOUT** **FEEDBACK**

WELCOME USERNAME

1. PHP STANDS FOR:
 Personal Home Processor
 Hypertext Preprocessor
 Pretext Hypertext Preprocessor

2. Who is known as the father of PHP?
 Drek Kolkevi
 List Barely
 Rasmus Lerdorf

3. Variable name in PHP starts with?
 ! (Exclamation)
 \$ (Dollar)
 & (Ampersand)
 # (Hash)

4. Which of the following is used to display the output in PHP?
 echo
 write
 print
 Both (a) and (c)

5. Which of the following is used for concatenation in PHP?
 + (plus)
 * (Asterisk)
 . (dot)

6. What does PEAR stands for?
 PHP extension and application repository
 PHP enhancement and application reduce
 PHP event and application repository

7. Which of the following is the correct way to create a function in PHP?
 Create myFunction()
 New_function myFunction()
 function myFunction()
 None of the above

8. What is the use of fopen() function in PHP?
 The fopen() function is used to open folders in PHP
 The fopen() function is used to open remote server
 The fopen() function is used to open files in PHP

9. Which of the following function is used to set cookie in PHP?
 createcookie()
 makecookie()
 setcookie()

10. Which of the following is not a variable scope in PHP?
 Extern
 Local
 Static
 Global

Submit **My Profile** **Logout**

QUIZ 3: CPP FORM

QUIZ HUB

HOME CONTACT ABOUT FEEDBACK

WELCOME USERNAME

1. Which of the following is the original creator of the C++ language?

Dennis Ritchie
 Bjarne Stroustrup
 Brian Kernighan

2. Which of the following is the address operator?

@
 #
 &
 %

3. Which of the following is the correct identifier?

\$varname
 VAR_123
 varname@
 None of the above

4. C++ is a _____ type of language?

High-level Language
 Low-level Language
 Middle-level Language

5. Which of the following represents the tab?

\n
 \t
 \r
 None of the above

6. Which of the following is the correct syntax to add the header file in the C++ program?

#include <userdefined>
 #include "userdefined.h"
 <include> "userdefined.h"
 Both A and B

7. Which of the following is the correct syntax to print the message in C++ language?

cout<<"Hello world!";
 Cout<<"Hello world!";
 Out<<"Hello world!";
 None of above

8. Which type of array is always considered as linear array?

Single-dimensional
 Multi-dimensional
 Both A and B
 None of the above

9. Which of the following can be considered as the members that can be inherited but not accessible in any class?

Public
 Protected
 Private
 Both A and C

10. Which of the following statement is correct about the class?

An object is the instance of the class
 An object is the instance of the object
 An object is the instance of the data type of that class
 Both A and C

[Submit](#) [My Profile](#) [Logout](#)

QUIZ 4: NETWORKING FORM

QUIZ HUB

HOME **CONTACT** **ABOUT** **FEEDBACK**

WELCOME USERNAME

1. A collection of hyperlinked documents on the internet forms the?

World Wide Web(WWW)
 E-mail System
 Mailing list

2. The term HTTP stands for?

Hyper terminal tracing program
 Hypertext tracing protocol
 Hypertext transfer protocol

3. Which software prevents the external access to a system?

Firewall
 Gateway
 Router

4. Which one of the following is the most common internet protocol?

HTML
 TCP/IP
 NetBEUI

5. The term FTP stands for?

File transfer program
 File transmission protocol
 File transfer protocol
 File transfer protection

6. The maximum length (in bytes) of an IPv4 datagram is?

1024
 65535
 512

7. The length of an IPv6 address is?

32 bits
 64 bits
 256 bits
 128 bits

8. Which of the following cannot be used as a medium for 802.3 ethernet?

A thin coaxial cable
 A twisted pair cable
 A microwave link
 A fibre optical cable

9. How many versions available of IP?

6 version
 4 version
 2 version
 1 version

10. The term WAN stands for?

Wide Area Network
 Wide Area Net
 Wide Access Network
 Wide Access Net

Submit **My Profile** **Logout**

RESULT PAGE:

The screenshot shows the QuizHub Result Page. At the top, there is a navigation bar with links for HOME, ABOUT, CONTACT, FEEDBACK, and LOGOUT. The main title "Result Page" is centered above a box containing user information and subject scores.

User Information:

- NAME : USER NAME
- DOB : 2005-02-15
- Contact : 9874563210
- Email : aman@gmail.com

Subject Scores:

HTML	PHP	CPP	NETWORK
Not Attempted	Not Attempted	Not Attempted	Not Attempted

Marks Obtained: 0/40
Percentage: 0%

A "My Profile" button is located at the bottom of the result box.

LOGOUT PAGE:

The screenshot shows the QuizHub Logout Page. The page displays a "LOGGED OUT" message and a "Thank You for using QuizHub." message. A "Sign in Again" button is present at the bottom.

Message:
LOGGED OUT
Thank You for using QuizHub.

Button:
Sign in Again

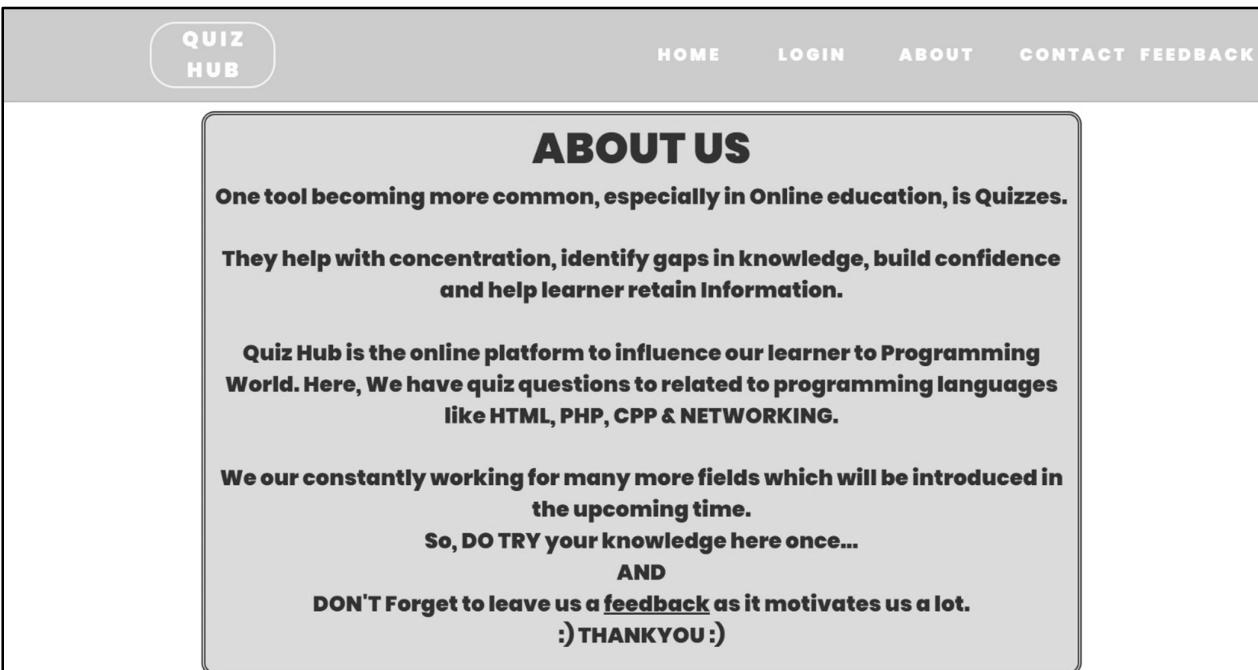
The browser interface at the bottom includes tabs for "THANK YOU" and "Screen Capture Result", a search bar, and system status indicators.

FEEDBACK FORM :



The image shows a feedback form titled "Send Message". At the top left is a logo for "QUIZ HUB". To the right are navigation links: HOME, LOGIN, ABOUT, CONTACT, and FEEDBACK. Below the title are three input fields: "Full Name", "Email", and "Type Your Message". A "Send" button is located at the bottom of the form.

ABOUT PAGE:



The image shows an "ABOUT US" section on a website. At the top left is a logo for "QUIZ HUB". To the right are navigation links: HOME, LOGIN, ABOUT, CONTACT, and FEEDBACK. The "ABOUT US" section contains the following text:

ABOUT US

One tool becoming more common, especially in Online education, is Quizzes.

They help with concentration, identify gaps in knowledge, build confidence and help learner retain information.

Quiz Hub is the online platform to influence our learner to Programming World. Here, We have quiz questions to related to programming languages like HTML, PHP, CPP & NETWORKING.

We are constantly working for many more fields which will be introduced in the upcoming time.

So, DO TRY your knowledge here once... AND

**DON'T Forget to leave us a feedback as it motivates us a lot.
:) THANKYOU :)**

7. REPORTS

REGISTRATION PAGE:

The screenshot shows a "SIGNUP PAGE" form. The fields are as follows:

- First Name: Aman
- Last Name: Gupta
- Date of Birth: 15-05-2002
- Email: amang4341@gmail.com
- Contact: 9874563210
- Address: 456987456321
- Username: aman
- Password: chanod
- Gender: Male (radio button selected)
- Address: chanod

At the bottom are "Submit" and "Reset" buttons.

DATA REPORT:

The screenshot shows the "register" table in the "dbaman" database within the phpMyAdmin interface. The table structure is:

srNo	firstName	lastName	dob	email	contact	aadhar	username	password	gender	address
1	Aman	Gupta	2002-05-15	amang4341@gmail.com	9874563210	456987456321	aman	123	Male	chanod

Below the table, there are "Query results operations" buttons for Print, Copy to clipboard, Export, Display chart, and Create view.

QUIZ : HTML FORM

QUIZ HUB

HOME CONTACT ABOUT FEEDBACK

WELCOME AMAN

1. HTML STANDS FOR:

- Hyperlinks and Text Markup Language
- Hyper Text Markup Language
- Home Tool Markup Language

2. How many tags are there in a regular element?

- 2
- 1
- 3

3. What is the difference between an opening tag and a closing tag?

- Opening tag has a / in front
- There is no difference
- Closing tag has a / in front

4. < br > What type of tag is this?

- Break
- A broken one
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5. < body > is this an opening tag or a closing tag?

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- closing

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7. What is an element that does not have a closing tag called?

- Empty element
- Closed element

8. You should save HTML files with which file extension?

- .htm
- .html
- .webpage

9. <input> is -

- a format tag
- an empty tag
- All of the above

10. The tags in HTML are :

- case-sensitive
- in upper case
- not case sensitive
- in lowercase

Submit **My Profile** **Logout**

DATA REPORTS:

The screenshot shows the phpMyAdmin interface on a Windows desktop. The left sidebar lists databases: New, dbaman, New, feedback, register, result, information_schema, mysql, performance_schema, phpmyadmin, practical, and test. The 'result' database is selected. The main area displays a table named 'result' with one row of data. The table structure includes columns: datetime, username, html, php, cpp, and network. The data row is: 2022-05-14 21:56:28, aman, 4, 20, 20, 20. Below the table are options for Edit, Copy, Delete, and Export. At the bottom are links for Print, Copy to clipboard, Export, Display chart, and Create view.

RESULT PAGE:

The screenshot shows the 'Result Page' from the Quiz Hub application. The page has a header with 'QUIZ HUB' and navigation links for HOME, ABOUT, CONTACT, FEEDBACK, and LOGOUT. The main content area is titled 'Result Page'. It displays personal information: NAME: AMAN GUPTA, DOB: 2002-05-15, Contact: 9874563210, and Email: amang4341@gmail.com. Below this, it shows subject scores: HTML (4/10), PHP (Not Attempted), CPP (Not Attempted), and NETWORK (Not Attempted). It also shows Marks Obtained: 4/40 and Percentage: 10%. A 'My Profile' button is at the bottom.

FEEDBACK:

The screenshot shows a web page titled "Send Message". At the top, there is a navigation bar with links for HOME, LOGIN, ABOUT, CONTACT, and FEEDBACK. The main content area has fields for "Full Name" (Aman Gupta) and "Email" (amang4321@gmail.com). Below these, a text area labeled "Type Your Message" contains the text: "Interface is user-friendly. Excellent Work. Hoping to future upgrades." A "Send" button is located at the bottom of the message input field.

DATA FEEDBACK:

The screenshot shows the phpMyAdmin interface connected to a MySQL database named "dbaman". The left sidebar shows the database structure with a "feedback" table selected. The main panel displays the contents of the "feedback" table:

datetime	fullname	email	msg
2022-05-14 22:17:29	Aman Gupta	amang4321@gmail.com	Interface is user-friendly. Excellent Work. Hopi...

8. ADVANTAGES AND **LIMITATIONS**

ADVANTAGES :

The system successfully meets the following requirements:

- Stores and maintains user information.
- Forgotten passwords can be recovered through valid processes
- Can update user information.
- Scores of each will displayed in result page.
- User could feeds us in feedback form.

VALIDATION OF DATA:

- Invalid data input is prompted using proper message boxes.
- The data is not stored until it passes the valid data.
- Incorrect username and passwords are not accessed.
- Quiz page is not submitted unless all questions are attempted.

LIMITATIONS :

- Copyright violation.
- Its client side project.
- No admin page.
- Limited subjects included for quiz.
- Limited questions.
- It requires further development as per the human requirements, specially in the field of server side.

9. FUTURE ENHANCEMENT

The program is user-friendly. Proper used of well reserved words gives user ease of understanding. The future holds a lot to offer to the development and refinement of this project. As proper documentation exists the whole system flow is traceable. Some likely enhancements could be added in the future to enhance the capability of this program.

We may conclude that this Web program created will definitely find a good market in the E-Learning World.

10. BIBLIOGRAPHY

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