

A Project Report On

QUIZ HUB

Submitted in partial fulfillment of the requirement for the
award of the degree

Bachelor of Computer Application (BCA)

Academic Year 2019 - 20

Shivam Kumar
91800527083

Yash tak
91800527051

Internal Guide
Brijesh Jajal



Marwadi
University



Faculty of Computer Applications (FCA)

Certificate

*This is to certify that the project work entitled
Quiz Hub*

*submitted in partial fulfillment of the requirement for
the award of the degree of*

*Bachelor of Computer Application
of the*

Marwadi University

is a result of the bonafide work carried out by

Shivam Kumar
91800527083

during the academic year 2019-20

Faculty Guide

HOD

External Viva

Name of the Examiners

Signature with Date



Faculty of Computer Applications (FCA)

Certificate

This is to certify that the project work entitled
Quiz Hub
submitted in partial fulfillment of the requirement for
the award of the degree of
Bachelor of Computer Application
of the
Marwadi University

is a result of the bonafide work carried out by
Yash Tak
91800527051

during the academic year 2019-20

Faculty Guide

HOD

External Viva

Name of the Examiners

Signature with Date

DECLARATION

I/We hereby declare that this project work entitled **Quiz hub** is a record done by me.

I also declare that the matter embodied in this project is genuine work done by me and has not been submitted whether to this University or to any other University / Institute for the fulfillment of the requirement of any course of study.

Place :

Date :

Yash Tak (91800527051)

Signature : _____

Shivam Kumar(91800527083)

Signature : _____

ACKNOWLEDGEMENT

It is indeed a great pleasure to express my thanks and gratitude to all those who helped me. No serious and lasting achievement or success one can ever achieve without the help of friendly guidance and co-operation of so many people involved in the work.

I am very thankful to my guide **Dr.Brijesh Jajal**, the person who makes me to follow the right steps during a project work. I express my deep sense of gratitude to for his/her guidance, suggestions and expertise at every stage. A part from that his/her valuable and expertise suggestion during documentation of my report indeed help me a lot.

Thanks to my friend and colleague who have been a source of inspiration and motivation that helped to me during my project work.

I would heartily thankful to head and DEAN of our department **Dr. Sunil Bajaja and Dr. R. Sridaran** to give me an opportunity to work over this report and for their end-less and great support. And to all other people who directly or indirectly supported and help me to fulfil my task.

Yash Tak (91800527051) Signature : _____

Shivam Kumar(91800527083) Signature : _____

CONTEXTS

Chapters	Particulars	Page No.
1	SYNOPSIS	1
2	PREAMBLE	1
2.1	General Introduction	1
2.2	Statement of Problem	4
2.3	Objective of the Study	4
2.4	Scope of the Study	5
2.5	Methodology	5,6
2.6	Feasibility Study	7
3	REVIEW OF LITERATURE	8
4	TECHNICAL DESCRIPTION	8
4.1	Hardware Requirement	8
4.2	Software Requirement	8
5	SYSTEM DESIGN AND DEVELOPMENT	
5.1	Algorithm	9
5.2	Flowchart	10
5.3	Data Flow Diagram	11
5.3.1	Zero Level DFD and 1-Level DFD	12
5.4	Use-Case Diagram	12
5.5	Sequential Diagram	13
5.6	Class Diagram	14
5.7	Acitivity Diagram	15
5.7.1	User Module Diagram	16
5.7.2	Database Structure(table)	17
5.8	Admin table	17
5.8.1	User table	18
5.9	Source Code	18
5.10	Screen Design	55

6	SYSTEM TESTING	57
6.1	Testing and Implementation	57
6.2	Testing Methodology	57
6.2.1	Unit Testing	57
6.3	System Implementation	57
6.4	Implementation Procedure	57
7	CONCLUSION	58
8	LEARNING DURING PROJECT WORK	58
9	BIBLIOGRAPHY	58
9.1	Online References	

FIGURE INDEX

Sr. No.	Figure No.	Particulars	Page No.
1	5.1	Flowchart	11
2	5.2.1	Zero-Level DFD	12
3	5.2.2	One-Level DFD	12
4	5.3	Use-case Diagram	13
5	5.4	Sequential-Diagram	14
6	5.5	Class Diagram	15

1. SYNOPSIS:-

In quiz game, questions are chosen in such a way that they cover all fields of a typical quiz contest. The user's general knowledge is tested with quiz questions regarding Information Technology (IT) ,Sports,General Knowledge(GK).

2. PREAMBLE:-

2.1 General Introduction:-

- This project is a simple console application built without the use of graphics.
- In this project we have study Quiz website and then we have taken some module like Admin, User,Start the game,Resume the game,View the highest score,Help,Quit.
- In this project we have take some website's overview and some other details like facilities of any Quiz, how to play Quiz,how to store score etc.
- Modules Of The Project:

In this quiz you have modules in Main Menu:-

- Start the game
- Reset the game.
- View the highest score.
- Help.
- Quit.

➤ Start the game:-

After the registration of the user,this will be the 1st and mandatory option to start the game.

➤ Reset the game:-

If for any reason user want to reset the score.

➤ **View the highest score:-**

User can see the highest score anytime in the game using this option.

- **Help:-**In this Quiz game,player have one attempts. You can attempt one question only one time in the game. If in case, you don't know the answer you can quit the game.

➤ **You have three lifelines:-**

- 50-50
- Audience Poll
- Expert advice

- **50-50:-**If the user choose this lifeline,than out of 4 options 2 wrong option will get removed.

➤ **Audience Poll**

If the user choose this lifeline,than the user will come to know the right percentage of answer according to the audience.

➤ **Expert Advice**

If the user choose this lifeline,than user will get a hint related to answer.

In this you have 15 questions. Starting from 1-15,you can gain 1 Cr points. This game is divided into 3 stages.

➤ **1st stage include question from 1 to 3(mandatory)**

In this stage, all 3 questions are mandatory for the user. User have to answer all 3 questions for completing this stage and for reaching to the next stage.The difficulty level will be little less.In this stage user can quit anytime user want to,and user can also pause the game.

➤ **2nd stage include question from 4 to 6.(mandatory)**

In this stage, all 3 questions are mandatory for the user. User have to answer all 3 questions for completing this stage and for reaching to the next stage.The difficulty level will be little more as compared to the 1st stage.In this stage user can quit anytime user want to,and user can also pause the game.

➤ **3rd stage include question from 7 to 9.(mandatory)**

In this stage, all 3 questions are mandatory for the user. User have to answer all 3 questions for completing this stage and for reaching to the next stage.The difficulty level will be little more as compared to the 2nd stage.In this stage user can quit anytime user want to,and user can also pause the game.

➤ **4th stage(last stage) include question from 10 to 15.**

In this stage,user have no restriction to attempt the all question. User have to answer all 5 questions for completing the game and win the highest point.User can quit anytime user want to,and user can also pause the game.

2.2 Statement Of Problem:-

In this quiz project in C++, I haven't used file handling for reading and storing the Quiz questions asked during the game. I have used file only for recording the score secured or the amount of cash prize won by players.

2.3 Objective Of Study:-

- 1.You can quiz large numbers of employees all at once. If your organization is large or spread-out across an expansive geographic area, an online quiz expense of administering paper-based quizzes (think printing, scoring, delivering, and collecting). makes it possible to give everyone the same quizzing experience despite location.
- 2.Randomizing is easy to implement and manage. Online quizzes often allow you to create a question bank, randomize the questions that are shown, and randomize the answers that are displayed. Trying to manage all of this with hard-copy quizzes would be a nightmare.
- 3.Quizzes can be given without an instructor. Since the quiz is virtual, employees can take them on their own time without the need of someone acting as a proctor.
- 4.Employee records can be searched very easily. Having employee scores available online means that there is no need for keeping legacy score data in physical files.
5. Improved overview of the workforce. E-learning software with quizzing capabilities can show you trends in the workforce across department, commonly missed questions, and other metrics that just isn't as easily done with paper testing.

2.4 Scope Of Study:-

➤ Main scope of this project is improving knowledge and having entertainment at the same time.

2.5 Methodology:-

1. Planning:

- This is the first phase in the systems development process.
- It identifies whether or not there is the need for a new system to achieve a business strategic objectives. This is a preliminary plan (or a feasibility study) for a company's business initiative to acquire the resources to build on an infrastructure to modify or improve a service.
- The company might be trying to meet or exceed expectations for their employees, customers and stakeholders too. The purpose of this step is to find out the scope of the problem and determine solutions. Resources, costs, time, benefits and other items should be considered at this stage.

2. Analysis:

- The second phase is where businesses will work on the source of their problem or the need for a change. In the event of a problem, possible solutions are submitted and analyzed to identify the best fit for the ultimate goal(s) of the project.
- This is where teams consider the functional requirements of the project or solution. It is also where system analysis takes place or analyzing the needs of the end users to ensure the new system can meet their expectations.
- Systems analysis is vital in determining what a business needs are, as well as how they can be met, who will be responsible for individual pieces of the project, and what sort of timeline should be expected.

3.Design:

- The third phase describes, in detail, the necessary specifications, features and operations that will satisfy the functional requirements of the proposed system which will be in place.
- This is the step for end users to discuss and determine their specific business information needs for the proposed system.

- It's during this phase that they will consider the essential components (hardware and/or software) structure (networking capabilities), processing and procedures for the system to accomplish its objectives.

4. Development:

- The fourth phase is when the real work begins—in particular, when a programmer, network engineer and/or database developer are brought on to do the major work on the project.
- This work includes using a flow chart to ensure that the process of the system is properly organized. The development phase marks the end of the initial section of the process.
- Additionally, this phase signifies the start of production. The development stage is also characterized by instillation and change. Focusing on Busing can be a huge benefit.

5. Integration and Testing:

- The fifth phase involves systems integration and system testing (of programs and procedures)—normally carried out by a Quality Assurance (QA) professional—to determine if the proposed design meets the initial set of business goals.
- Testing may be repeated, specifically to check for errors, bugs and interoperability.
- This testing will be performed until the end user finds it acceptable. Another part of this phase is verification and validation, both of which will help ensure the programs successful completion.

6. Implementation:

- The sixth phase is when the majority of the code for the program is written. Additionally, this phase involves the actual installation of the newly-developed system.
- This step puts the project into production by moving the data and components from the old system and placing them in the new system via a direct cutover.
- While this can be a risky (and complicated) move, the cutover typically happens during off-peak hours, thus minimizing the risk.
- Both system analysts and end-users should now see the realization of the project that has implemented changes.

7. Maintenance:-

- The seventh and final phase involves maintenance and regular required updates.
- This step is when end users can fine-tune the system, if they wish, to boost performance, add new capabilities or meet additional user requirements.

2.6 Feasibility Study

Technical Feasibility:-

This application will run in any windows computer. we already have a computer in which we develop our project. So, don't have to be afraid about technical feasibility.

Economic Feasibility :-

Basically application is developed in a C++. So, we don't have to be afraid of cost & the benefit is high because this is a console-based application.

Operational Feasibility :-

The drawback of a manual system we can create this application. In this application we store data in proper manner, display our medicine name and also add & sell medicine.

3. REVIEW OF LITERATURE:-

➤ Main scope of this project is improving knowledge and having entertainment at the same time.

4. TECHNICAL DESCRIPTION:-

4.1 Hardware Requirement:-

Preprocessor & above	Intel Pentium dual core
Hard Disk	1GB & above
RAM	256 MB

4.2 Software Requirement

Programming Tool	Code block
Data Storage	Notepad or Notepad++
Operating System	Windows
Software	Code Block and Command Prompt

5. SYSTEM DESIGN AND DEVELOPMENT:-

5.1 Algorithms:

Step 1:-Display [“Press S for start the game. ”

“Press R for resume the game.”

“Press V from view the game.”

“Press H for help.”

“Press Q for quit.”]

Step 2:-If user choice =S

Than input Name and Interest.

Step 3:-Start the game.

Step 4:-If answer = false

Than Exit.

Step 5:- If user choice=V

Than display [current score]

Step 6:-If user choice=R

Than goto Step 3.

Step 7:-If user choice=H

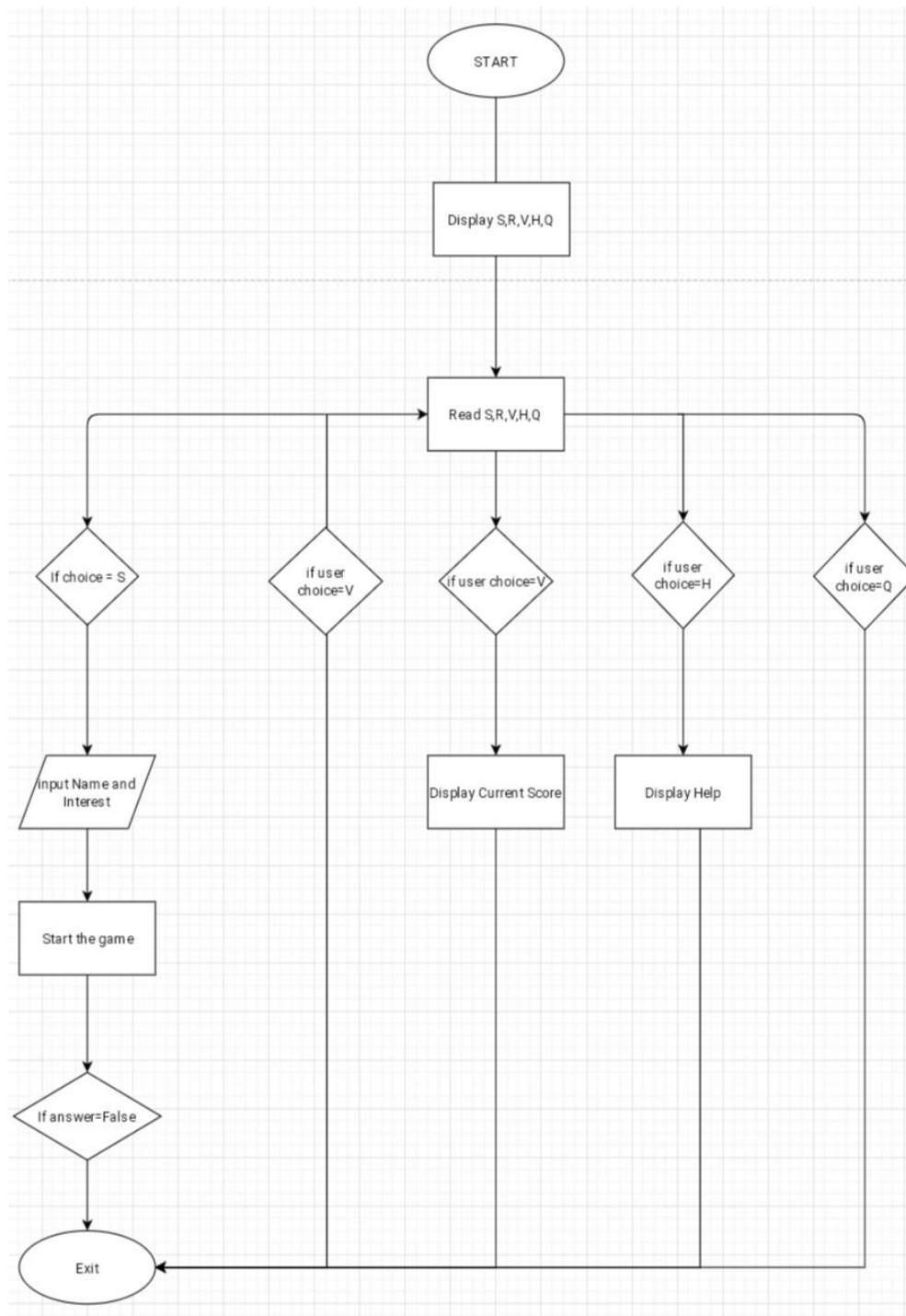
Than display [help]

Step 8:-If user choice=Q

Than Exit.

5.2 Flowchart

FLOWCHART FOR QUIZ_HUB

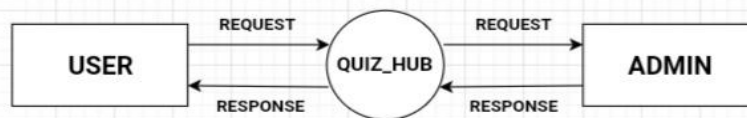


5.3 Dataflow Diagram:

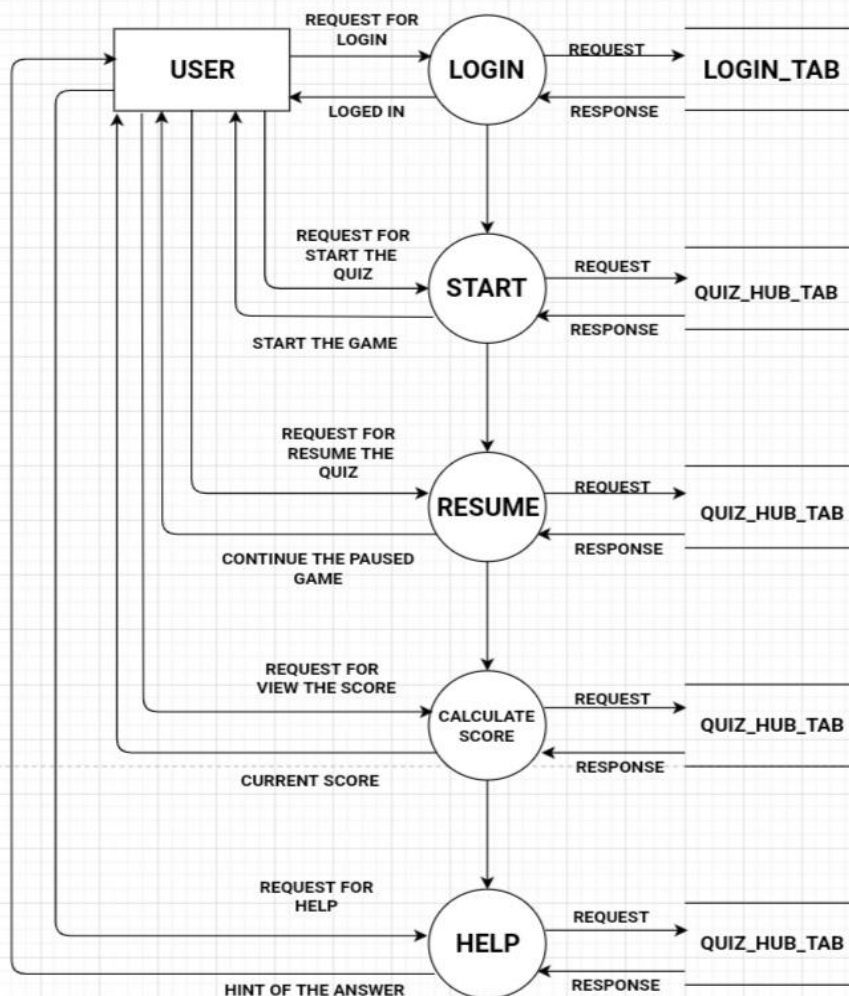
5.3.1. Zero Level DFD and 1-Level DFD

DFD FOR QUIZ_HUB

0- LEVEL DFD FOR QUIZ_HUB



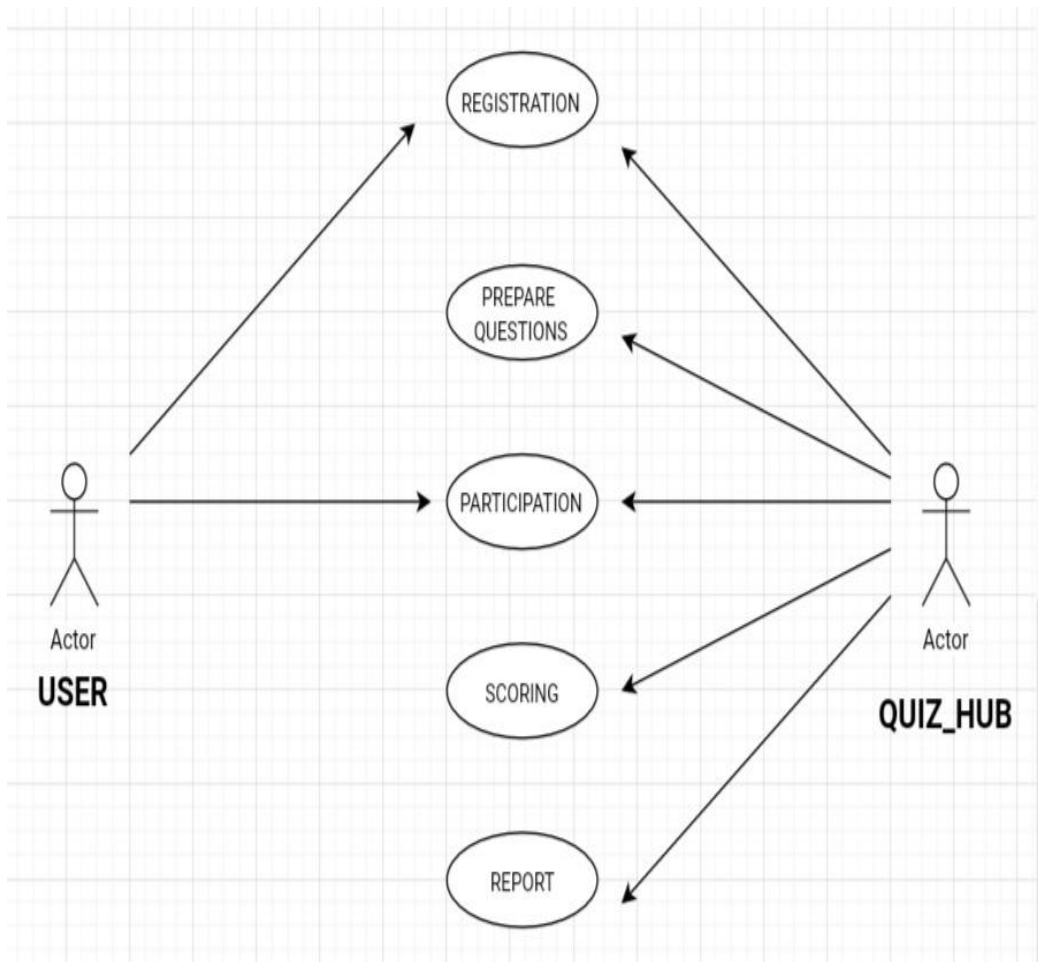
1-LEVEL DFD FOR QUIZ_HUB



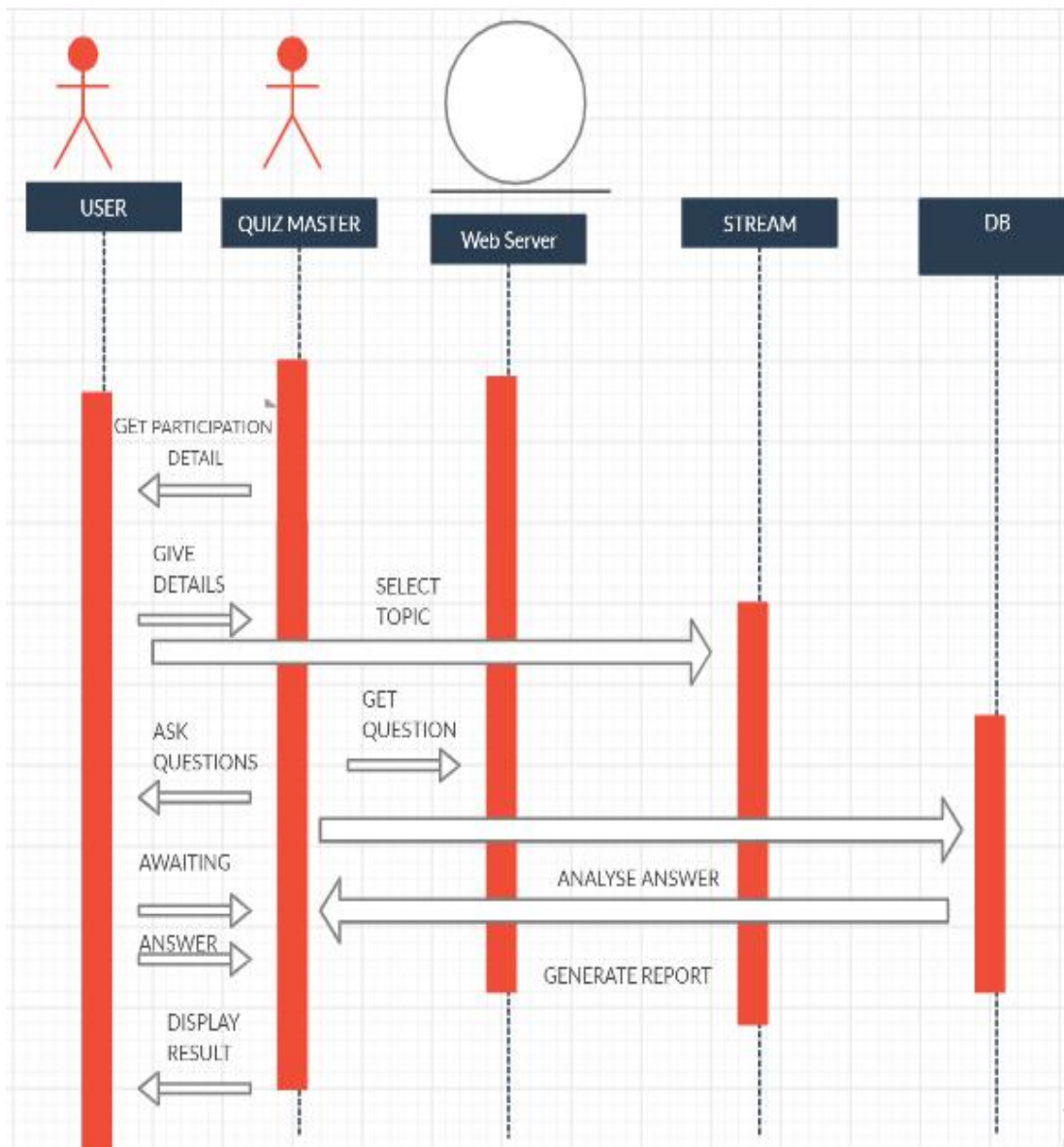
5.4 Use Case Diagram

5.4.1 Diagram

USE-CASE DIAGRAM FOR QUIZ_HUB

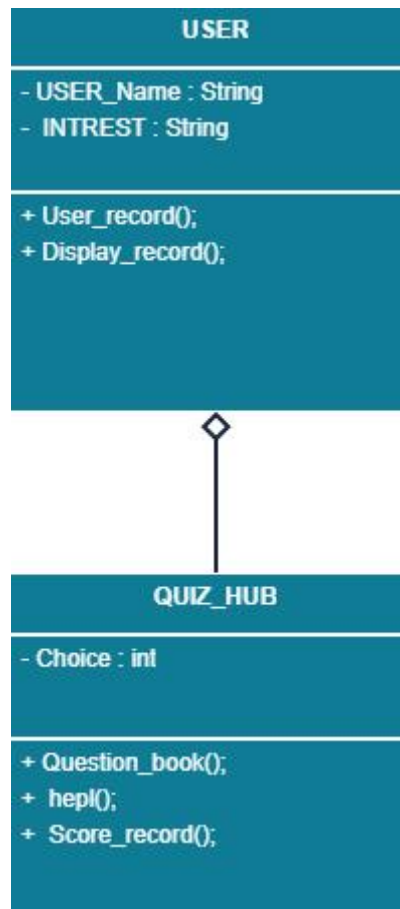


5.5 Sequential Diagram: SEQUENCE-DIAGRAM



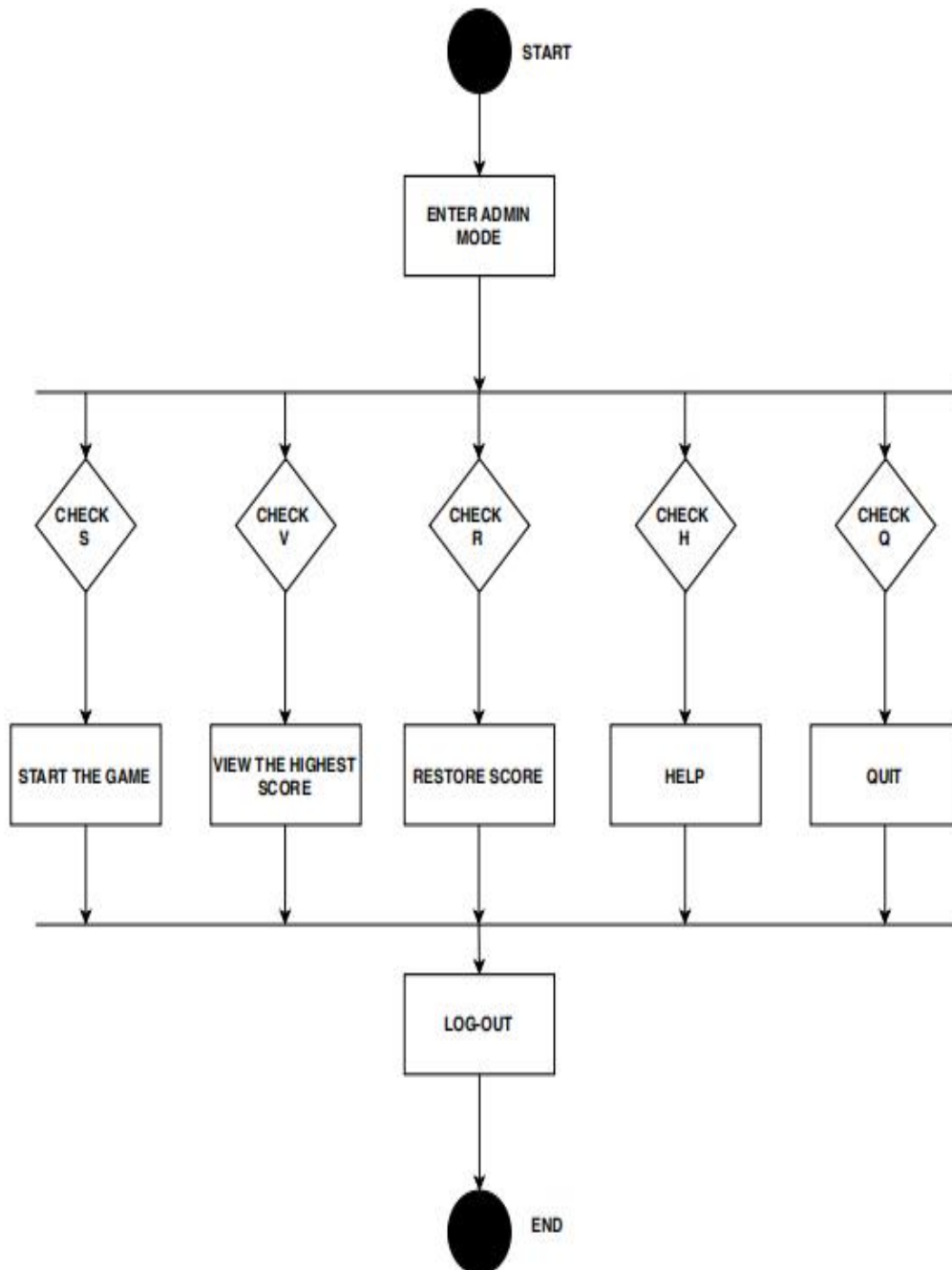
5.6 Class Diagram

CLASS DIAGRAM

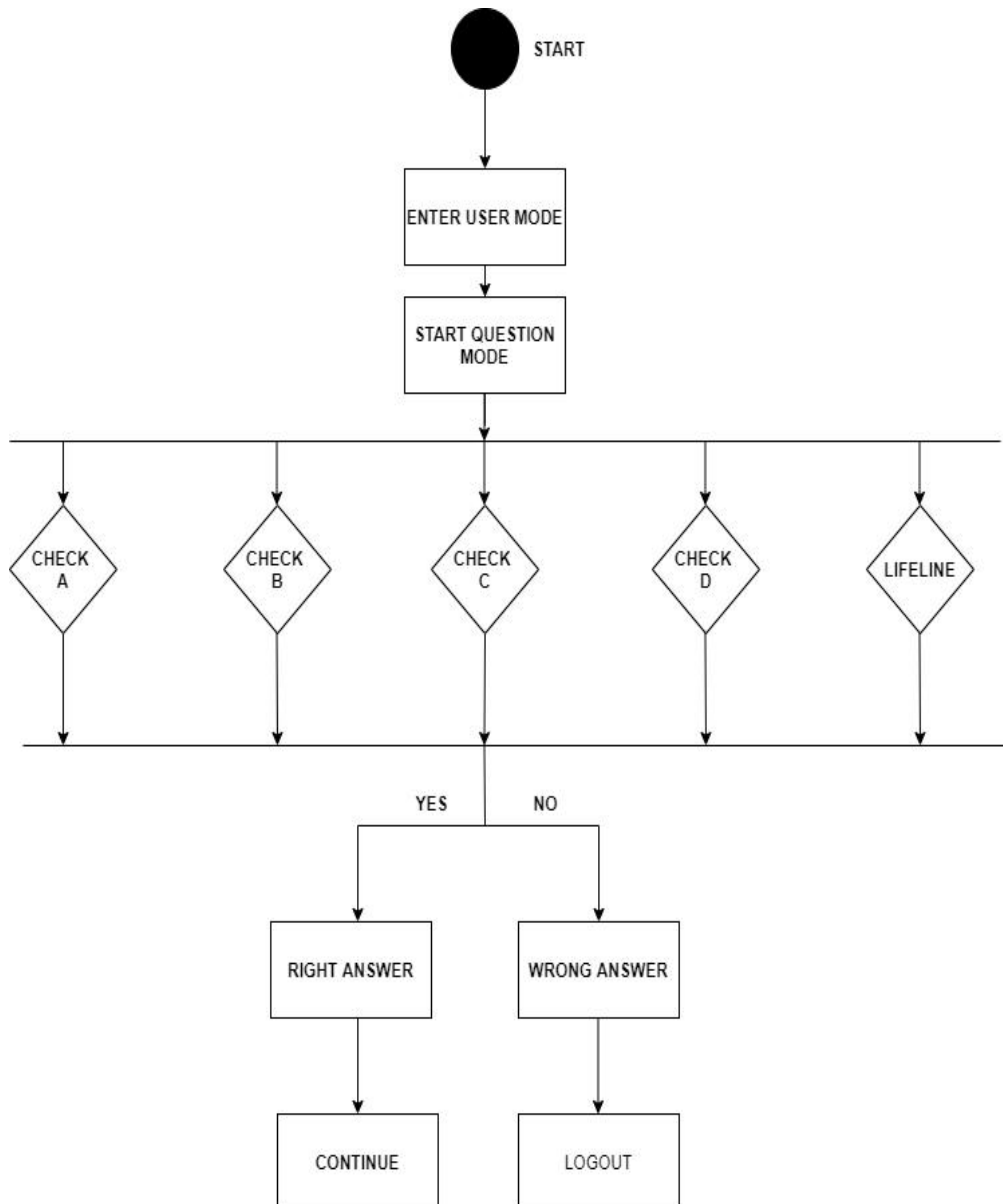


5.7. Activity Diagram:

5.7.1. Admin Module Diagram:



5.7.2. User Module Diagram



5.8. Database Structure (Table):-**5.8.1. Quiz_hub table(admin)**

Sr.no	Name	Datatype
1	playername	Char[20]
2	money	integer

5.8.2 Quiz_hub table(user)

Sr.no	Name	Datatype
1	choice	Char[20]
2	O(option)	Char[20]

5.9 Source Code:-

```

#include<iostream>
#include<conio.h>
#include<stdio.h>
#include<fstream>
#include<stdlib.h>
using namespace std;
int temp;

class Quiz_hub
{
public :
    char playername[20];
    int money;
    int s;

    void help()
    {

        system("cls");

        cout<<"\n\n                HELP";
        cout<<"\n -----";
        cout<<"\n ..... Quiz_hub Game.....";
        cout<<"\n>In this Quiz game,player have one attempts. You can attempt one question only one
time in the game.\n If incase, you don't know the answer you can quit the game ";
        cout<<"\n\nYou have three lifelines:-\n>50-50\n>Audience poll\n>Expert advice";
        cout<<"\n\n    >50-50:-If the user choose this lifeline,than out of 4 options 2 wrong option will
get removed.";
        cout<<"\n    >Audience poll:-If the user choose this lifeline,than the show % chance of answer
\n    ";
        cout<<"\n    >Expert Advice:-If the user choose this lifeline,than user will get a hint related to

```

QUIZ HUB

answer.";

cout<<"\n\n>1st stage include question from 1 to 3(mandatory) i.e if you will complete the level then only you'll get the money ";

cout<<"\n>2nd stage include question from 4 to 6.(mandatory) i.e if you will complete the level then only you'll get the money ";

cout<<"\n>3rd stage include question from 7 to 9.(mandatory) i.e if you will complete the level then only you'll get the money ";

cout<<"\n>4th stage(last stage) include question from 10 to 15. (not mandatory) i.e this level you'll get money for every individual question ";

cout<<"\n\n\t*****Quiz_hub game developed by Shivam kumar & Yash tak*****";

}

void Question_book()

{

//Questions

string q1 = "Q.1 Hockey is the national sports of ? \n A)India and Nepal B)India and Bhutan\n C)Bangladesh and Pakistan D)India and Pakistan \n";

string q10= "Q.10 Who is the Chairman of Bank of Baroda?\n A)Sanjiv Chadha B)Hasmukh Adhia\n C)Rajkiran Rai D)Ajay Narayan Jha \n";

string q2 = "Q.2 September 27 is celebrated every year as? \n A)Teachers' Day B)National Integration Day\n C)World Tourism Day D)International Literacy Day ";

string q3 = "Q.3 Which one of the following Cricketers has been declared by the ICC as Cricketer of the Twentieth Century \n A)Sachin Tendulkar B)Kapil Dev \n C)Rahul Dravid D)Anil Kumble ";

string q4 = "Q.4 Where did MS Dhoni make his ODI debut ? \n A)Chiittagong B)Dhaka \n C)Hyderabad D)Vishakhapatnam ";

string q5 = "Q.5 Which of the following software applications would be the most appropriate for performing numerical and statistical calculations?\n A)Database B)Document Processor \n C)Graphic Package D)Spread Sheet";

string q6 = "Q.6 The process of preparing a floppy diskette for use is called ..\n A)Assembling B)Translating \n C)Parsing D)Formatting ";

string q7 = "Q.7 12.Which of the following virus overtake computer system, when it boots and destroy information ?\n A)System infectors B)Trojan \n C)Stealth virus D)Boot infectors";

QUIZ HUB

```
string q8 = "Q.8 Computer programs are written in a high level programming language, however the human readable version of a program is called?\n A)Cache B) Instruction set\n C)Source code D)Boot infectors";
```

```
string q9 = "Q.9 Which was the 1st non test playing country to beat India in an international match? \n A)Canada B)Sri Lanka\n C)Zimbabwe D)East Africa";
```

```
string q11 = "Q.11The 2017 Indian Premier League (IPL 2017) first match on 5 April, 2017 was held in ?\n A)Banglore B)Delhi\n C)Hyderabad D)Kolkata";
```

```
string q12 = "Q.12 With which game does Santosh Trophy is associated ?\n A)Tennis B)Cricket\n C)National Football D)Golf";
```

```
string q13 = "Q.13 Which is the capital of the Philippines?\n A)Davos B)Makati\n C)Manila D)Cebu City";
```

```
string q14 = "Q.14 When Central Board of Direct Taxes was formed ?\n A)1919 B)1944\n C)1956 D)1953";
```

```
string q15 = "Q.15 Who took charge of the Gujarat, Daman and Diu Naval Area as the Flag Officer Commanding Gujarat Naval Area (FOGNA)?\n A)Rear Admiral Sanjay Roye B)Rear Admiral Puruvir Das \n C)Rear Admiral Suraj BerryD)Rear Admiral Sanjay Vatsyayan";
```

```
for(;;)
{
    money = 0 ;
    int ff=1,ap=1,exp=1;
    cout<<q1;
    char o;
    cout<<"\n1.50-50      ("<<ff<<")      2).Audience      poll("<<ap<<")      3.Expert
advice("<<exp<<")\n";
    cout << "Enter your choice ==> ";
    cin>>o;
    if(o=='1')
    {
        if(ff==1)
        {
            cout<<"C)Bangladesh and Pakistan D)India and Pakistan";cin>>o;
        }
    }
}
```

QUIZ HUB

```
else
{
    cout<<"50-50 life line not available enter answer >> ";cin>>o;
}
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)20% B)30% C)10% D)40%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"India always defeat Pakistan in Hockey";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }
    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}
```

QUIZ HUB

```
if(o=='D' || o=='d')
{
    money=money+50000;
    cout<<"Correct ..... "<<"Congratulations you won " <<money<<"Rs. and
1st stage start need to answer all questions correctly";
    getch();
}
else
{
    cout<<"Wrong correct Ans: D)India and Pakistan.....";
    getch();
    break;
}
```

//-----

```
system("cls");
```

```
cout<<q2 ;
```

```
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";
```

```
cout << "\nEnter your choice ==> ";
```

```
cin>>o;
```

```
if(o=='1')
```

```
{
```

```
if(ff==1)
```

```
{
```

```
cout<<"B)National Integration Day\n C)World Tourism Day";cin>>o;
```

```
}
```

```
else
```

QUIZ HUB

```
{
    cout<<"50-50 life line not available enter answer >> ";cin>>o;
}
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)20% B)30% C)50% D)0%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"Its purpose is to foster awareness among the global community of
tourism's social, cultural, political\n and economic value\n and the contribution the sector can make
in reaching the Sustainable Development Goals.";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{

```

```

        cout<<"Don't use of life line";
    }
    if(o=='C' || o=='c')
    {
        money=money+50000;
        cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs.";
        getch();
    }
    else
    {
        money=money-50000;
        cout<<"Wrong correct Ans: C)World Tourism Day .....";
        getch();
        break;
    }

```

```

system("cls");

```

```

//-----
-----

```

```

cout<<q3;
cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<")\n";
cout << "\nEnter your choice ==> ";

```

```

cin>>o;

```

```

    if(o=='1')
    {
        if(ff==1)
        {
            cout<<"A)Sachin Tendulkar B)Kapil Dev ";cin>>o;
        }
        else
        {

```

QUIZ HUB

```
cout<<"50-50 life line not available enter answer >> ";cin>>o;
}
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)20% B)50% C)20% D)10%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"Kapil dev won 1883 worldcup ";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}
```



```

if(o=='B' || o=='b')
{
    money=money+50000;
    cout<<"Correct ..... "<<"Congratulations you won " <<money<<"Rs. and 1st stage is
over";

    getch();
}
else
{
    money=money-50000;
    cout<<"Wrong correct Ans: B)Kapil Dev .....";
    getch();
    break;
}
system("cls");

```

```

//-----
-----

```

```

cout<<q4;
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";
cout << "\nEnter your choice ==> ";

cin>>o;

```

```

if(o=='1')
{
    if(ff==1)
    {
        cout<<"A)Chiittagong  B)Dhaka ";cin>>o;
    }
    else

```

QUIZ HUB

```
{
    cout<<"50-50 life line not available enter answer >> ";cin>>o;
}
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)50% B)40% C)20% D)0%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"He made his ODI debut at Chittagong on Dec 23, 2004. The match
was between Bangladesh and India.";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
```

}

```
if(o=='A' || o=='a')
```

```
{
```

```
    money=money+100000;
```

```
    cout<<"Correct ..... "<<"Congratulations you won " <<money<<"Rs. and 2nd stage start  
need to answer all questions correctly";
```

```
    getch();
```

```
}
```

```
else
```

```
{
```

```
    cout<<"Wrong correct Ans: A)Chiittagong .....";
```

```
    getch();
```

```
    break;
```

```
}
```

```
system("cls");
```

```
//-----
```

```
-----
```

```
cout<<q5;
```

```
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";
```

```
cout << "\nEnter your choice ==> ";
```

```
cin>>o;
```

```
if(o=='1')
```

```
{
```

```
    if(ff==1)
```

```
{
```

```
        cout<<"C)Graphic Package D)Spread Sheet";cin>>o;
```

```
}
```

```
else
```

```
{
```

QUIZ HUB

```
cout<<"50-50 life line not available enter answer >> ";cin>>o;
}
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)12% B)30% C)8% D)50%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"Spread Sheet would be the most appropriate for performing
numerical and statistical calculation";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}
```

```

if(o=='D' || o=='d')
{
    money=money+100000;
    cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs.";
    getch();
}
else
{
    money=money-100000;
    cout<<"Wrong correct Ans: D)Spread Sheet .....";
    getch();
    break;
}

```

```

system("cls");

```

```

//-----
-----

```

```

cout<<q6;
cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<)\n";
cout << "\nEnter your choice ==> ";

```

```

cin>>o;

```

```

if(o=='1')
{
    if(ff==1)
    {
        cout<<"C)Parsing D)Formatting";cin>>o;
    }
    else
    {
        cout<<"50-50 life line not available enter answer >> ";cin>>o;
    }
}

```

QUIZ HUB

```
}
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)20% B)30% C)0% D)50%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<" The process of preparing a floppy diskette for use is called
Formatting.";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}
```

```

if(o=='D' || o=='d')
{
    money=money+100000;
    cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs. and 2nd stage is
over";

    getch();
}
else
{
    money=money-100000;
    cout<<"Wrong correct Ans: D)Formatting .....";
    getch();
    break;
}
system("cls");

```

```
//-----
```

```
-----
```

```

cout<<q7;
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";
cout << "\nEnter your choice ==> ";

```

```
cin>>o;
```

```

if(o=='1')
{
    if(ff==1)
    {
        cout<<"B)Trojan C)Stealth virus";cin>>o;
    }
    else
    {
        cout<<"50-50 life line not available enter answer >> ";cin>>o;
    }
}

```

QUIZ HUB

```
ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)20% B)30% C)50% D)0%";cin>>o;
    }
    else
    {
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
    }
    ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<" Stealth virus is very dengerous";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}

if(o=='C' || o=='c')
{
```


QUIZ HUB

```
money=money+600000;
cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs. and 3rd stage start
need to answer all questions correctly";
    getch();
}
else
{
    cout<<"Wrong correct Ans: C)Stealth virus .....";
    getch();
    break;
}
system("cls");
```

//-----

```
cout<<q8;
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";
cout << "\nEnter your choice ==> ";
```

```
cin>>o;
if(o=='1')
{
    if(ff==1)
    {
        cout<<"C)Source code D)Boot infectors";cin>>o;
    }
    else
    {
        cout<<"50-50 life line not available enter answer >> ";cin>>o;
    }
    ff=ff-1;
}
else if(o=='2')
{
```

QUIZ HUB

```
if(ap==1)
{
    cout<<"A)22% B)20 C)48% D)10%";cin>>o;
}
else
{
    cout<<"Audience poll life line not available enter answer >> ";cin>>o;
}
ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"the human-readable version of a program is called source
code.";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}
```

```
if(o=='C' || o=='c')
{
    money=money+600000;
    cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs.";
```

```

    getch();
}
else
{
    money=money-600000;
    cout<<"Wrong correct Ans: C)Source code ....." ;
    getch();
    break;
}
system("cls");

```

```

//-----
-----

```

```

cout<<q9;
cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<)\n";
cout << "\nEnter your choice ==> ";

```

```

cin>>o;

```

```

if(o=='1')
{
    if(ff==1)
    {
        cout<<" B)Sri Lanka C)Zimbabwe";cin>>o;
    }
    else
    {
        cout<<"50-50 life line not available enter answer >> ";cin>>o;
    }
    ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)

```

QUIZ HUB

```
{
    cout<<"A)20% B)50% C)30% D)0%";cin>>o;
}
else
{
    cout<<"Audience poll life line not available enter answer >> ";cin>>o;
}
ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<" B)Sri Lanka is 1st non test playing country to beat India in an
international match";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}

if(o=='B' || o=='b')
{
    money=money+600000;
    cout<<"Correct ..... "<<"Congratulations you won " <<money<<"Rs. and 3rd stage is
over";

    getch();
}
```

```

    }
    else
    {
        money=money-600000;
        cout<<"Wrong correct Ans: B)Sri Lanka .....";
        getch();
        break;
    }
    system("cls");

```

```

//-----
-----

```

```

cout<<q10;
cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<)\n";
cout << "\nEnter your choice ==> ";

```

```

cin>>o;

```

```

    if(o=='1')
    {
        if(ff==1)
        {
            cout<<"A)Sanjiv Chadha B)Hasmukh Adhia";cin>>o;
        }
        else
        {
            cout<<"50-50 life line not available enter answer >> ";cin>>o;
        }
        ff=ff-1;
    }
    else if(o=='2')
    {
        if(ap==1)
        {

```

QUIZ HUB

```
cout<<"A)20% B)60% C)20% D)0%";cin>>o;
```

```
}
```

```
else
```

```
{
```

```
cout<<"Audience poll life line not available enter answer >> ";cin>>o;
```

```
}
```

```
ap=ap-1;
```

```
}
```

```
else if(o=='3')
```

```
{
```

```
if(exp==1)
```

```
{
```

```
cout<<"Hasmukh Adhia (Chairman) Sanjiv Chada (MD & CEO);cin>>o;
```

```
}
```

```
else
```

```
{
```

```
cout<<"Expert advice life line not available enter answer >> ";cin>>o;
```

```
}
```

```
exp=exp-1;
```

```
}
```

```
else
```

```
{
```

```
cout<<"Don't use of life line";
```

```
}
```

```
if(o=='B' || o=='b')
```

```
{
```

```
money=money+1050000;
```

```
cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs. and 4th stage start
```

```
no need to answer all questions correctly";
```

```
getch();
```

```
}
```

```
else
```

QUIZ HUB

```
{
    cout<<"Wrong correct Ans: B)Hasmukh Adhia .....";
    getch();
    break;
}
system("cls");
```

```
//-----
-----
```

```
cout<<q11;
cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<)\n";
cout << "\nEnter your choice ==> ";
```

```
cin>>o;
```

```
if(o=='1')
{
    if(ff==1)
    {
        cout<<"C)Hyderabad D)Kolkata";cin>>o;
    }
    else
    {
        cout<<"50-50 life line not available enter answer >> ";cin>>o;
    }
    ff=ff-1;
}
else if(o=='2')
{
    if(ap==1)
    {
        cout<<"A)20% B)20% C)50% D)10%";cin>>o;
    }
    else
```

QUIZ HUB

```
{
    cout<<"Audience poll life line not available enter answer >> ";cin>>o;
}
ap=ap-1;
}
else if(o=='3')
{
    if(exp==1)
    {
        cout<<"Indian Premier League (IPL 2017) first match on 5 April played in
Hyderabad ";cin>>o;
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }

    exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}

if(o=='c' || o=='C')
{
    money=money+1000000;
    cout<<"Correct ....."<<"Congratulations you won "<<money<<"Rs.";
    getch();
}
else
{
    cout<<"Wrong correct Ans: C)Hyderabad.....";
    getch();
}
```



```

        break;
    }
    system("cls");

```

```
//-----
```

```
-----
```

```

cout<<q12;
cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<)\n";
cout << "\nEnter your choice ==> ";

```

```
cin>>o;
```

```

    if(o=='1')
    {
        if(ff==1)
        {
            cout<<"C)National Football D)Golf";cin>>o;
        }
        else
        {
            cout<<"50-50 life line not available enter answer >> ";cin>>o;
        }
        ff=ff-1;
    }
    else if(o=='2')
    {
        if(ap==1)
        {
            cout<<"A)20% B)30% C)40% D)10%";cin>>o;
        }
        else
        {
            cout<<"Audience poll life line not available enter answer >> ";cin>>o;
        }
    }

```

```

        ap=ap-1;
    }
    else if(o=='3')
    {
        if(exp==1)
        {
            cout<<"Santosh Trophy is associated with football";cin>>o;
        }
        else
        {
            cout<<"Expert advice life line not available enter answer >> ";cin>>o;
        }

        exp=exp-1;
    }
    else
    {
        cout<<"Don't use of life line";
    }

    if(o=='c' || o=='C')
    {
        money=money+1000000;
        cout<<"Correct ....."<<"Congratulations you won "<<money<<"Rs.";
        getch();
    }
    else
    {
        cout<<"Wrong correct Ans: C)National Football.....";
        getch();
        break;
    }

    system("cls");

```

```
//-----  
-----  
  
    cout<<q13;  
    cout<<"\n1.50-50 ("<<ff<<) 2).Audience poll("<<ap<<) 3.Expert advice("<<exp<<")\n";  
    cout << "\nEnter your choice ==> ";  
  
    cin>>o;  
  
    if(o=='1')  
    {  
        if(ff==1)  
        {  
            cout<<"B)Makati C)Manila";cin>>o;  
        }  
        else  
        {  
            cout<<"50-50 life line not available enter answer >> ";cin>>o;  
        }  
        ff=ff-1;  
    }  
    else if(o=='2')  
    {  
        if(ap==1)  
        {  
            cout<<"A)20% B)30% C)50% D)0%";cin>>o;  
        }  
        else  
        {  
            cout<<"Audience poll life line not available enter answer >> ";cin>>o;  
        }  
        ap=ap-1;  
    }  
    else if(o=='3')  
    {
```

```

        if(exp==1)
        {
            cout<<"Manila was established as the capital city of the Philippines on June
24, 1976 by a presidential order.";cin>>o;
        }
        else
        {
            cout<<"Expert advice life line not available enter answer >> ";cin>>o;
        }

        exp=exp-1;
    }
    else
    {
        cout<<"Don't use of life line";
    }

    if(o=='c' || o=='C')
    {
        money=money+1000000;
        cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs.";
        getch();
    }
    else
    {
        cout<<"Wrong correct Ans: C)Manila.....";
        getch();
        break;
    }
}

```

//-----

QUIZ HUB

```
cout<<q14;  
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";  
cout << "\nEnter your choice ==> ";
```

```
cin>>o;
```

```
if(o=='1')  
{  
    if(ff==1)  
    {  
        cout<<"A)1919 B)1924";cin>>o;  
    }  
    else  
    {  
        cout<<"50-50 life line not available enter answer >> ";cin>>o;  
    }  
    ff=ff-1;  
}  
else if(o=='2')  
{  
    if(ap==1)  
    {  
        cout<<"A)20% B)50% C)30% D)0%";cin>>o;  
    }  
    else  
    {  
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;  
    }  
    ap=ap-1;  
}  
else if(o=='3')  
{  
    if(exp==1)  
    {
```

QUIZ HUB

```
cout<<" the administration of taxes, came into existence as a result of the
Central Board of Revenue Act, 1924";cin>>o;
```

```
    }
    else
    {
        cout<<"Expert advice life line not available enter answer >> ";cin>>o;
    }
```

```
        exp=exp-1;
    }
    else
    {
        cout<<"Don't use of life line";
    }
```

```
if(o=='b' || o=='B')
{
    money=money+1000000;
    cout<<"Correct ....."<<"Congratulations you won "<<money<<"Rs.";
    getch();
}
else
{
    cout<<"Wrong correct Ans: B)1924.....";
    getch();
    break;
}
system("cls");
```

```
//-----
-----
```

```
cout<<q15;
cout<<"\n1.50-50 ("<<ff<<") 2).Audience poll("<<ap<<") 3.Expert advice("<<exp<<")\n";
cout << "\nEnter your choice ==> ";
```

```
cin>>o;
```

```
if(o=='1')
```

```
{
```

```
    if(ff==1)
```

```
    {
```

```
        cout<<"B)Rear Admiral Puruvir Das \n C)Rear Admiral Suraj Berry";cin>>o;
```

```
    }
```

```
    else
```

```
    {
```

```
        cout<<"50-50 life line not available enter answer >> ";cin>>o;
```

```
    }
```

```
    ff=ff-1;
```

```
}
```

```
else if(o=='2')
```

```
{
```

```
    if(ap==1)
```

```
    {
```

```
        cout<<"A)20% B)50% C)30% D)0%";cin>>o;
```

```
    }
```

```
    else
```

```
    {
```

```
        cout<<"Audience poll life line not available enter answer >> ";cin>>o;
```

```
    }
```

```
    ap=ap-1;
```

```
}
```

```
else if(o=='3')
```

```
{
```

```
    if(exp==1)
```

```
    {
```

```
        cout<<"Rear Admiral Puruvir Das, Nau Sena Medal took over the reins of
```

```
the Gujarat";cin>>o;
```

```
    }
```

QUIZ HUB

```
else
{
    cout<<"Expert advice life line not available enter answer >> ";cin>>o;
}

exp=exp-1;
}
else
{
    cout<<"Don't use of life line";
}

if(o=='b' || o=='B')
{
    money=money+1000000;
    cout<<"Correct ..... "<<"Congratulations you won "<<money<<"Rs.
\n\n*****GAME
END*****";
    getch();
    break;
}
else
{
    cout<<"Wrong correct Ans: B)Rear Admiral Puruvir Das.....";
    getch();
    break;
}

}

temp = money;
}
```



```
void getdata()
```

```
{
```

```
    cout<<"\nEnter YOUR NAME ";
```

```
    cin>>playername;
```

```
    s=temp;
```

```
}
```

```
void showdata()
```

```
{
```

```
    cout<<"\nNAME ==> "<<playername<<" Score ==> "<<s;
```

```
}
```

```
};
```

```
// Function to RESET records of file
```

```
class User :public Quiz_hub
```

```
{
```

```
public:
```

```
    // Function to store records of file
```

```
void write_data()
```

```
{
```

```
    User obj;
```

```
    ofstream fp2;
```

```
    fp2.open("D:\\shivam(91800527083)\\shivam.txt",ios::binary|ios::app);
```

```
    obj.getdata();
```

```
    fp2.write((char*)&obj,sizeof(obj));
```

```
    fp2.close();
```

```
}
```

```
// Function to display records of file
```

```
void display()
{
    User obj;
    ifstream fp1;

    fp1.open("D:\\shivam(91800527083)\\shivam.txt",ios::binary);
    while(fp1.read((char*)&obj,sizeof(obj)))
    {
        obj.showdata();
    }
    fp1.close();
}
```

```
void del()
{
    User obj;
    ofstream fp2;
    fp2.open("D:\\shivam(91800527083)\\shivam.txt",ios::binary);
    fp2.close();
}
```

```
};
```

```
int main()
{
    char choice,S,V,Q;
    User obj;
```

QUIZ HUB

```
for(;;)
{
    cout<<"\n\t\t\t\t\t_____";
    cout<<"\n\t\t\t\t\tQuiz_hub\t\t\t|";
    cout<<"\n\t\t\t\t\t|_____|";
    cout<<"\n\t\t\t\t\tWELCOME\t\t\t|";
    cout<<"\n\t\t\t\t\tto\t\t\t|";
    cout<<"\n\t\t\t\t\tTHE GAME\t\t\t|";
    cout<<"\n\t\t\t\t\t|_____|";
    cout<<"\n\t\t\t\t\t|";
    cout<<"\n\t\t\t\t\tBECOME A MILLIONAIRE!\t\t|";
    cout<<"\n\t\t\t\t\t|_____|";
    cout<<"\n\t\t\t\t\t|_____|";
    cout<<"\n\t\t\t\t\t> Press S to start the game\t\t|";
    cout<<"\n\t\t\t\t\t> Press V to view the score\t\t|";
    cout<<"\n\t\t\t\t\t> Press R to reset score\t\t|";
    cout<<"\n\t\t\t\t\t> Press H for help\t\t\t|";
    cout<<"\n\t\t\t\t\t> Press Q to quit\t\t\t|";
    cout<<"\n\t\t\t\t\t|_____|\\n\n";
    cout<<"\n Enter your choice : ";
    cin>>choice;
```

```
switch(choice)
{
    case 'S':

        system("cls");
        obj.Question_book();
        obj.write_data();
        system("cls");
        break;

    case 's':
```

```
system("cls");  
obj.Question_book();  
obj.write_data();  
system("cls");  
break;
```

```
case 'V' :
```

```
obj.display();  
getch();  
system("cls");  
break;
```

```
case 'v' :
```

```
obj.display();  
getch();  
system("cls");  
break;
```

```
case 'Q' :
```

```
exit(0);  
break;
```

```
case 'q' :
```

```
exit(0);  
break;
```

```
case 'h' :
```

```
obj.help();  
getch();
```

```
system("cls");  
break;
```

```
case 'H' :
```

```
obj.help();  
getch();  
system("cls");  
break;
```

```
case 'r' :
```

```
obj.del();  
getch();  
system("cls");  
break;
```

```
case 'R' :
```

```
obj.del();  
getch();  
system("cls");  
break;
```

```
default :
```

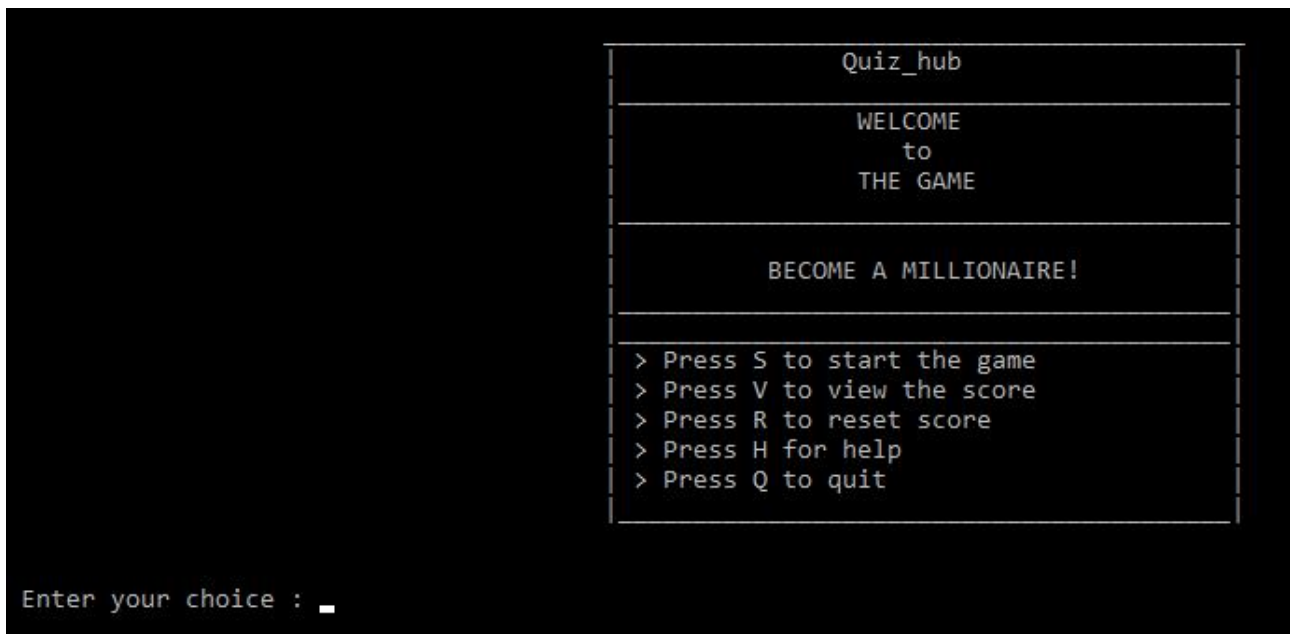
```
cout<<"\n Invalid selection ";  
getch();  
system("cls");  
break;  
}
```

```
}
```

```
}
```

5.10 Screen Design

Admin Menu



Score view



Reset Module :-click R to reset the score.

Help module

```

                                HELP
-----
..... Quiz_hub Game.....
this Quiz game,player have one attempts. You can attempt one question only one time in the game.
Incase, you don't know the answer you can quit the game

You have three lifelines:-
1. 50-50
2. Ask the question
3. Expert advice

>50-50:-If the user choose this lifeline,than out of 4 options 2 wrong option will get removed.
>Audience poll:-If the user choose this lifeline,than the show % chance of answer

>Expert Advice:-If the user choose this lifeline,than user will get a hint related to answer.

1st stage include question from 1 to 3(mandatory) i.e if you will complete the level then only you'll get the money
2nd stage include question from 4 to 6.(mandatory) i.e if you will complete the level then only you'll get the money
3rd stage include question from 7 to 9.(mandatory) i.e if you will complete the level then only you'll get the money
4th stage(last stage) include question from 10 to 15. ( not mandatory) i.e this level you'll get money for every individual question

*****Quiz_hub game developed by Shivam kumar & Yash tak*****

```

Quit:- click Q to Quit the game.

6. System Testing

6.1 Testing and Implementation

```

Quiz_hub
WELCOME
to
THE GAME

BECOME A MILLIONAIRE!

> Press S to start the game
> Press V to view the score
> Press R to reset score
> Press H for help
> Press Q to quit

Enter your choice : _

```

6.2 Testing Methodology

Black-Box testing:- Black-box testing is a method of software testing that examines the functionality of an application without peering into its internal structures or workings. This method of test can be applied virtually to every level of software testing: unit, integration, system and acceptance.

White-box testing:- White-box testing is a method of software testing that tests internal structures or workings of an application, as opposed to its functionality. In white-box testing an internal perspective of the system, as well as programming skills, are used to design test cases.

Gray-box testing:- Gray-box testing is a combination of white-box testing and black-box testing. The aim of this testing is to search for the defects if any due to improper structure or improper usage of applications.

6.2.1 Unit Testing

In this testing, we are testing such modules like:-

Start Module:- in that, we tested the correctness of the given questions and 3 lifelines.

6.4 System Implementation

We have to use Code Block Software to System implementation and Code Block version is 17.12.

6.5 Implementation Procedure

Here we have to use below Algorithms :-

- Start the game
- Reset the game.
- View the highest score.
- Help.
- Quit.

7. CONCLUSION

Basically the conclusion of this project is to provide Knowledge and Enternaiment at the same time.

7.1 Future Enhancement

In this project,in future we can add new questions.

8. LEARNING DURING PROJECT WORK

In previous 3 semester we learn the C language And C++ language and we perform basic program of C++ and C.

In C language there is no feature of class previous semester we learn the C++ language and perform the Class base program , how to create class and how to call a method of class. We never perform C++ program like an project or work like mini project.

So by developing this project we learn so many new things like first we don't know how to store data in file because we performed simple program of file handling and don't know the actual use of file handling.

We face so many difficulties like cant display record, cant updated records, selling medicine not working properly but use of online references and help of our faculty guide we get success to develop a mini project. We get basic idea that how a software or project work.In a lecture we only learn theory concept of C++ but in actual programming how to use all concept in one program.

9. Online References Websites :-

9.1:-

www.travelpod.com

www.Kahoot.com

www.Myquiz.com

www.888quiz.com