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Acknowledgement:

We would like to express our deepest thanks of gratitude to our teacher **Miss Nazia Ashraf** who has given has opportunity to research and learn new things and then to make a simple program. During the completion of this project we have learned many new and important things which will be very helpful for us in the future. Once again very special thanks to her.

Project Overview

Problem/Opportunity:

In a secondary school, the teachers of the school are using old means of analyzing students' performance, taking tests. This has resulted a slow and possibly unfair test result.

Goals:

1. To make it easy for the management of the school to analyze the performance of the students and take immediate actions for that.
2. To make it easy for the teachers to take test easily with immediate results, analyze the performance of the students easily and make reports easily.
3. To make it easy for the students to give test with no time and disturbance and get immediate results and scores.

Objectives:

1. To increase efficiency and effectiveness of students' testing system.
2. To improve the current method of analyzing performance of the students and reduce system redundancy.

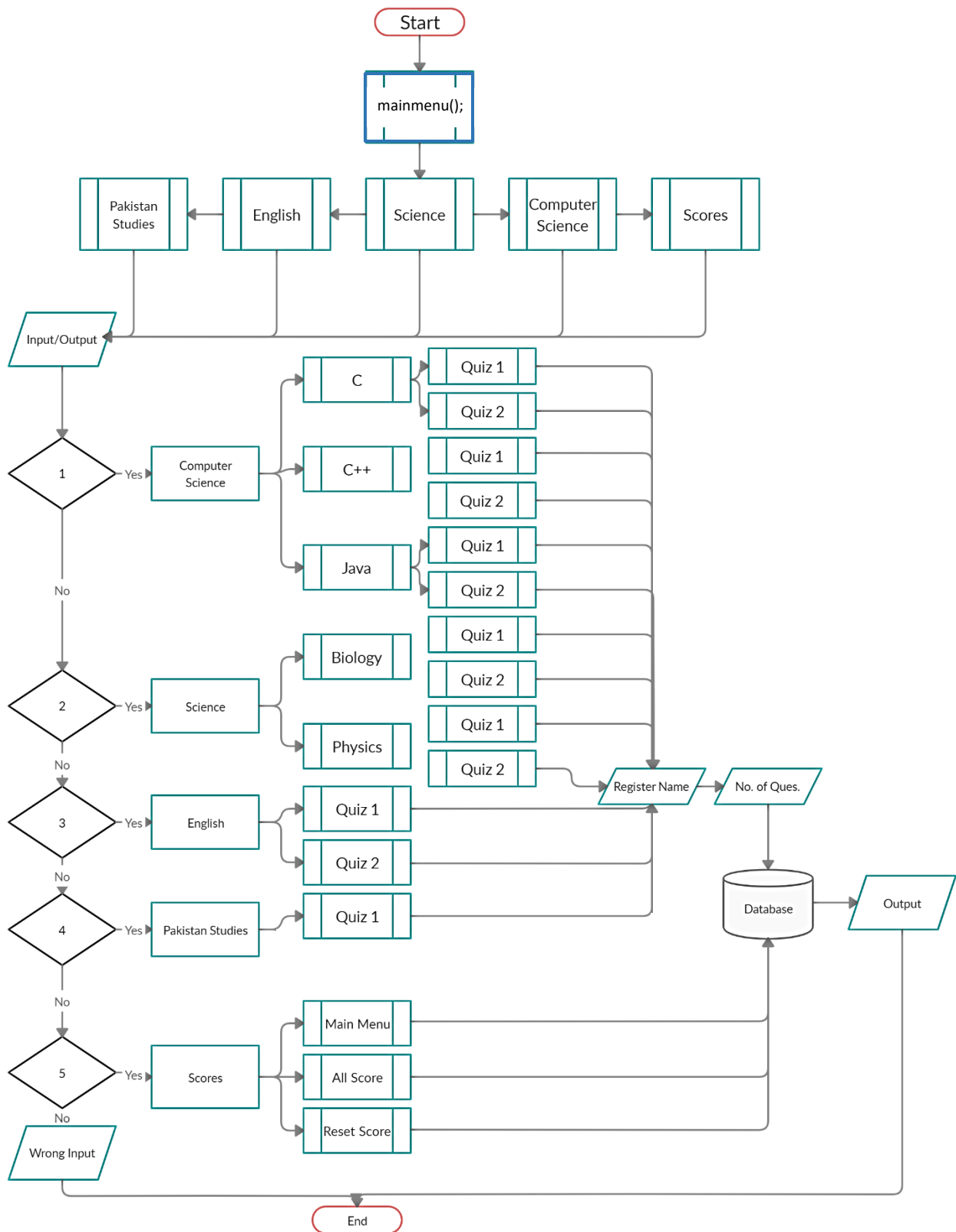
Project Description:

In this quiz master, we created a program to improve testing system. For that we used filing, many functions and arrays using C Programming Language.

Technical Details:

1. Working Computer
2. IDE

Flow Chart:



Algorithm:

1. Start
2. Call mainmenu() function.
3. Get Input (by mainmenu()).
4. Call specific function according to user input.
5. Get Input to get name of the user.
6. Get Input to ask no. of questions.
7. Processing specific function. (Line 4)
8. If the user has given 3 consecutive wrong answers, program will terminate.
9. Get the user to ask to jump to main menu, play again or exit.
10. If the user has done quiz without giving 3 consecutive wrong answers, then the result will show on the screen.
11. Save user score against user name.
12. If the previous marks of the user is less, then the current marks will be overwritten.
13. Get the user to ask to jump to main menu, play again or exit.
14. Exit

Basic Functions:

1. **void mainmenu();**
This function turns a user on a main menu.
2. **void computerscience();**
This function turns a user on a Computer Science Section Where C ,C++,JAVA Function are call.
3. **void science();**
This function turns a user on a Science Section Where Physics and Biology Function are call.
4. **void english();**
This function turns a user on a English Section Where English LEVEL 1&2 function are call.
5. **void pakistanstudies();**
This function turns a user on a Pakistan studies Section.
6. **void cdata();**
This Type of functions end with data are used to turns a user to the Specific Data Acces (Show Record,Delete Record)
7. **void reset_score_c();**
void disp_record_c();
This Type of functions turns the information to save ,display and reset .
8. **void quizc1();**
This function includes all questions regarding C language (Level 1)..
9. **void quizc2();**
This function also includes all questions regarding C language (Level 2).

10. void qucc1();

This function includes all questions regarding C++ Programming Language (Level 1).

11. void qucc2();

This function includes all questions regarding C++ Programming Language (Level 2).

12. void java1();

This function includes all questions regarding Java Programming language (Level 1).

13. void java2();

This function includes all questions regarding Java Programming language (Level 2).

14. void physics1();

This function includes all questions regarding Physics (Level 1).

15. void physics2();

This function includes all questions regarding Physics (Level 2).

16. void english1();

This function includes all questions regarding English Language (Level 1).

17. void english2();

This function includes all questions regarding English Language (Level 2).

18. void biology1();

This function includes all questions regarding Biology (Level 1).

19. void biology2();

This function includes all questions regarding Biology (Level 2).

20. void pakistanstudies1();

This function includes all questions regarding Pakistan Studies (Level 1).

21. void switchmainm();

This function turns a user on main menu or to score menu.

22. void scores();

This function lets the user to check the highest score of the user.

23. void allscore();

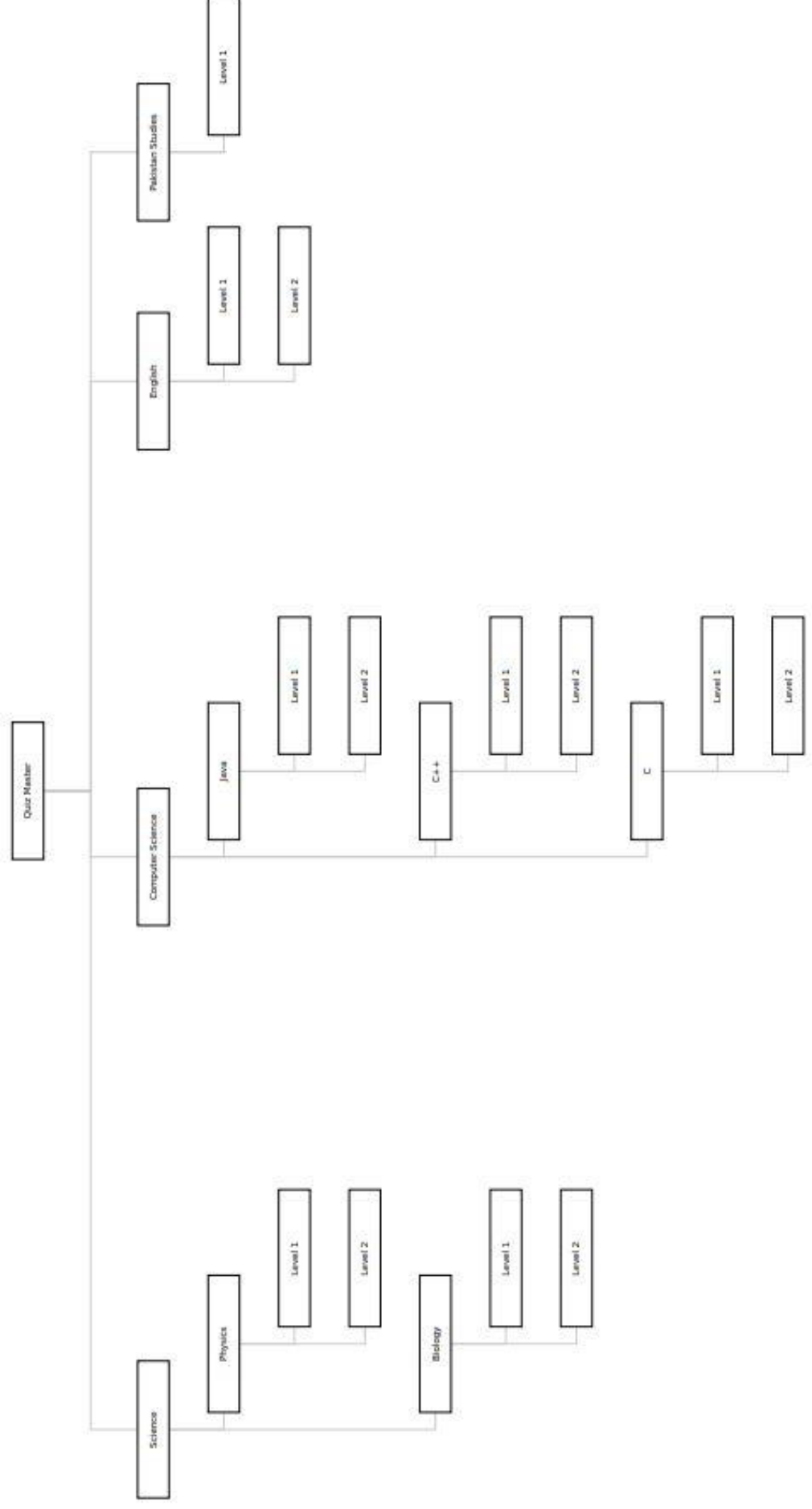
This function is used to print scores of all the categories / subjects.

24. void allreset();

This function will reset all the saved record.

There are 82 functions are used for making the program reliable and user friendly options.

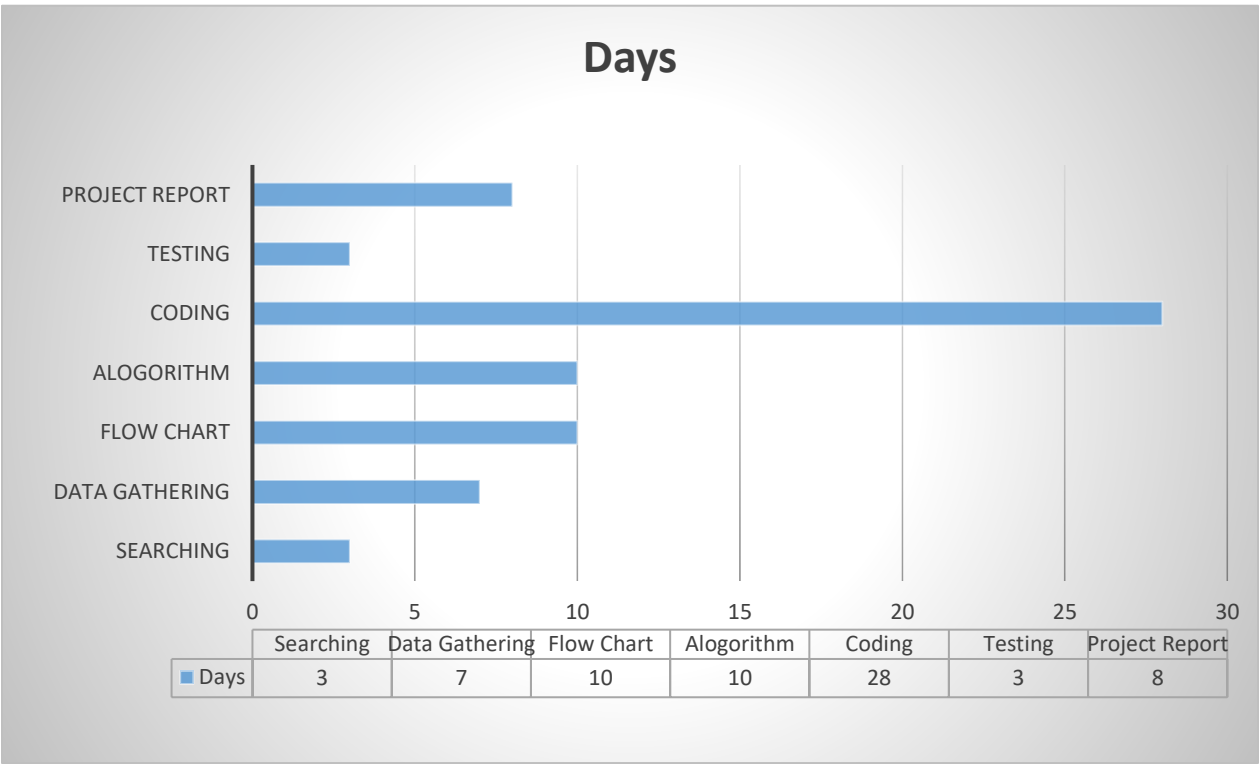
Project Workdown (Quiz Master)



Distribution of tasks among members:

Names	Muhammad Azhar	Kirshan Lal	Muhammad Haseeb	Mehar Khan Niazi
Task	Coding + Report	Coding + Data Gathering	Coding + Testing	Coding + Report

Timing Chart:



Source Code:

Output:

No compiling error:

```
Compiling
Main file: FGT.C
Compiling: EDITOR → FGT.C

          Total      File
Lines compiled: 7523  7523
Warnings: 0          0
Errors: 0            0

Available memory: 1969K
Success :
```

Computer Science Sub-Section:

```
|-----|
|WELCOME IN C PROGRAMMING LANGUAGE|
|-----|

1) C QUIZ 1
2) C QUIZ 2
3) MAIN MENU
4) BACK
5) EXIT

ENTER: _
```

Welcome Screen:

```
|-----|
|WELCOME|
|-----|

1) COMPUTER SCIENCE
2) SCIENCE
3) ENGLISH
4) PAKISTAN STUDIES
5) SCORES
6) Exit

ENTER:
```

Name Registration:

```
Register your name:
```

Computer Science Section:

```
|-----|
|WELCOME IN COMPUTER SCIENCE|
|-----|

1) C PROGRAMMING LANGUAGE
2) C++ PROGRAMMING LANGUAGE
3) JAVA PROGRAMMING LANGUAGE
4) BACK
5) Exit

ENTER:
```

Asking No. of Questions.

```
|-----|
|Quiz|
|-----|

There are 10 Questions. How many you want to play?
Enter here please:
```

Taking Quiz.

```
|-----|Question No. 2|-----|
C Language has been developed by _____.

1. Martin Richards
2. Bijarne Stroustrup
3. Dennis Ritchie
4. KenThompson

Enter only 1 option here:
```

Showing Result.

```
|-----|
YOU SCORED " 10 " OUT OF " 10 "
|-----|_
```

Asking what to do?

```
WHAT YOU WANT?
1) PLAY AGAIN
2) MAIN MENU
3) EXIT
```

Science Section:

```
|-----|
|WELCOME IN SCIENCE|
|-----|

1) PHYSICS
2) BIOLOGY
3) BACK
4) Exit

ENTER :
```

English Section:

```
|-----|
|WELCOME IN ENGLISH SECTION|
|-----|

1) ENGLISH QUIZ 1
2) ENGLISH QUIZ 2
3) BACK
4) EXIT

ENTER :
```

Pakistan Studies Section:

```
|-----|
|WELCOME IN PAKISTAN STUDIES SECTION|
|-----|

1) PAKISTAN STUDIES QUIZ 1
2) BACK
3) EXIT

ENTER :
```

Database:

```
|-----|
|WELCOME IN SCORE SECTION|
|-----|

1) COMPUTER SCIENCE
2) SCIENCE
3) ENGLISH
4) PAKISTAN STUDIES
5) ALL CATEGORIRS HIGHEST SCORES
6) RESET ALL CATEGORIRS HIGHEST SCORES
7) BACK
8) Exit

ENTER :
```

Sub Section of Computer Science(C Language):

```
|-----|
| WELCOME IN C PROGRAMMING LANGUAGE SCORE SECTION |
|-----|

1) C QUIZ 1 HIGHEST MARKS
2) C QUIZ 2 HIGHEST MARKS
3) MAIN MENU
4) BACK
5) EXIT

ENTER: _
```

Showing Previous Results/Saved Results:

```
|-----|
|
| AZHAR HAS GOT HIGHEST SCORE
| OBTAINED SCORE : " 10 "
|
|-----|

WHAT YOU WANT?

1) BACK
2) MAIN MENU
3) EXIT
```

Showing all results:

```
|-----|
|
| AZHAR HAS GOT HIGHEST SCORE IN C QUIZ 1=> OBTAINED SCORE : " 10 "
| AZHAR HAS GOT HIGHEST SCORE IN C QUIZ 2=> OBTAINED SCORE : " 10 "
| azhar HAS GOT HIGHEST SCORE IN C++ QUIZ 1=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN C++ QUIZ 2=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN JAVA QUIZ 1=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN JAVA QUIZ 2=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN BIOLOGY QUIZ 1=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN BIOLOGY QUIZ 2=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN PHYSICS QUIZ 1=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN PHYSICS QUIZ 2=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN ENGLISH QUIZ 1=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN ENGLISH QUIZ 2=> OBTAINED SCORE : " 1 "
| azhar HAS GOT HIGHEST SCORE IN PAKISTAN STUDIES QUIZ 1=> OBTAINED SCORE : " 1 "
|
|-----|

WHAT YOU WANT?

1) BACK
2) MAIN MENU
3) EXIT

_
```

All project related work available on:

GOOGLE DRIVE:

(https://drive.google.com/drive/folders/17qSVoNj0lt5saLsBiWCDDYRGOlDbbXQY?usp=s_haring)

GIT HUB:

(https://github.com/AZHARTHEGEEK/project_q)

References:

Data Gathering : <https://pakmcqs.com/>

Flowchart : <https://creatly.com/>

Project Workdown : <https://planhammer.io/>