

# Requirement Analysis

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## Introduction

This is a complete and error-free Quiz Game Mini Project in C designed as a simple console application. In this project, a number of questions are asked, and the user is awarded cash prize for each correct answer given. 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 science, technology, movies, sports, general health, geography and many more.

## System Analysis and Features:

In this quiz game mini project, you can store the user name, view the highest score secured by a user, and even reset the score. Additionally, to make the game look a little more interesting, it is divided into two rounds; user must pass the first round to reach the second one.

Of the 2 rounds I mentioned above, the first is called the Warm-up Round; the second is the Challenge round. In the warm-up round, the user is asked a total of three simple questions and they must be able to answer at least two of them correctly to enter the next round. If the user is not capable of doing that, he is not permitted to proceed further.

In the second and more interesting round of this quiz game in C, the user will be asked questions continuously, and for each right answer given, they will earn \$100,000!

The game ends when the user's cash prize piles up to \$1 million. For each question asked, there are 4 options, namely A, B, C and D. There are no negative markings, so the user's accumulated cash money won't be deducted for wrong answers to the questions.

## Benefits:

Users will be entertained and also be able to test their general knowledge across various fields.

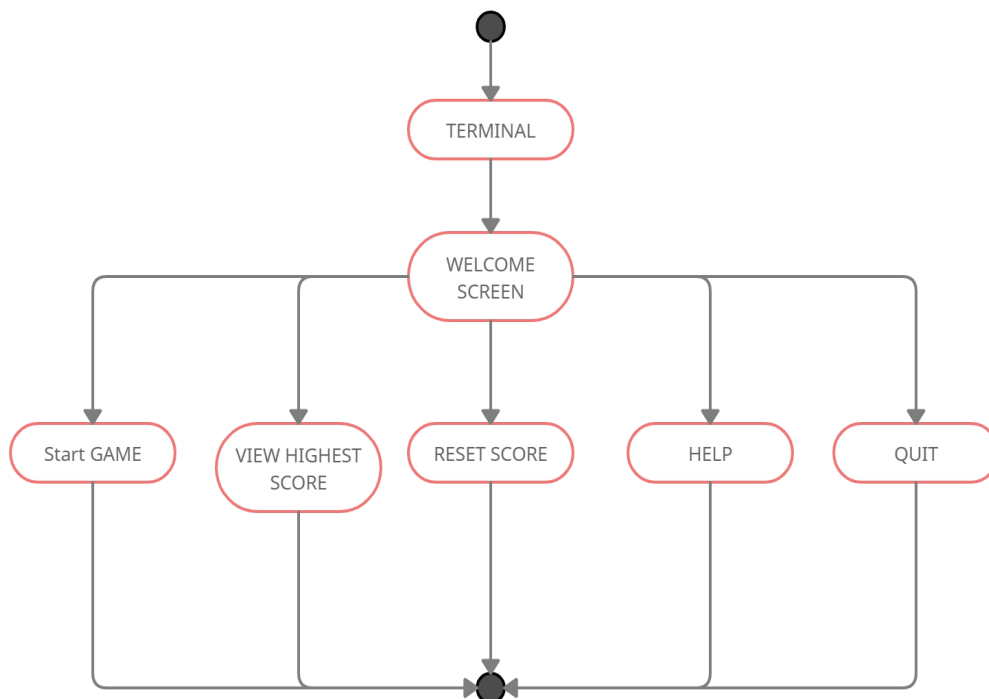
## ✚ Defining the system

- **System Functions:**

I have divided this mini project into many functions, and listed below are some of those which may help you understand the project better.

- **edit\_score()** – adds the current cash prize won to the previous one upon giving the right answer to a question
- **help()** – help menu with game summary and rules
- **reset\_score()** – to reset the highest score/cash prize to default
- **show\_record()** – shows the highest cash prize won by a particular user
- **show\_score()** – to view the highest score

- **Block Diagram:**



## ✚ SWOT Analysis:



### 🚦 5 W's:

- **Why:**  
To increase and test users general knowledge.
- **Who:**  
any human being who want to test thier knowledge.
- **What:**  
A simple and easy to use system for the Users to play this quiz game .
- **When:**

Whenever they feel like bored aur wnt to test theier GK.

- **Where:**

Schools ,offices,home.

## **Detail Requirements:**

- **High level requirements:**

ID	Description	Status
HL01	User Shall be able to enter the system.	Done
HL02	User Shall be able to see the welcome screen.	Done
HL03	User Shall be able to able to enter the options available.	Done
HL04	User Shall be able to get help about this game.	Done
HL05	User Shall be able to view,edit ,reset the highscore.	Done
HL06	Data should be saved on the cloud.	Future
HL07	Proper GUI can be implemented for further.	Future

- **Low level Requirements**

ID	Description	Status
LL01	The user will be able to enter the welcome screen.	Done
LL02	If user entered the incorrect input to welcome screen then 'SORRY !!!! INITIALIZATION IS UNSUCCESSFUL' message should be displayed.	FUTURE
LL03	If user entered the incorrect Inputs for 4 times then 'Sorry you have entered the wrong inputs for four times!!!'message should be displayed.	FUTURE
LL04	If the wrong choice number is entered then message of 'Invalid Choice' should be displayed.	FUTURE

