

**SOFTWARE REQUIREMENT SPECIFICATIONS**  
**project topic: GK Quiz**

**submitted by: Phurpa Thinley**

# 1. Introduction

## purpose:

- To develop an android application for attempt quiz of general knowledge of Bhutan.

## Scope of the project:

- The Scope of the project Is limited within our country. Since all the general knowledge quizzes question will be within our country, in future quizzes question will expanding scope to globally.

# 2.Requirement

## Functional requirement:

- **Attempt:** allow users to attempt quiz.
- **Sign up:** In order to attempt quiz, user needs to complete the registration process (Name, Email, and Phone Number, password).
- **Submit:** Allow the users to submit their answers.
- **Update:** The questions of the general knowledge will be update by the admin.
- **Retry :** allow user retry the quiz after completing.
- **Next:** if user willing to attempt another type of question they can enter into next.
- **Result:** it allows user to view the score mark.

## Non-functional requirement:

- **performance:** it describe how our application behaves when user interact with it in various scenario like response time ,storage capacity and loading response.
- **Portability:** it defines how a system can be launched on one environment or another and includes hardware, software or other usage specification platform.
- **Usability:** since this application mainly focus with user interaction and it is easily accessible by every user.

## Software requirement:

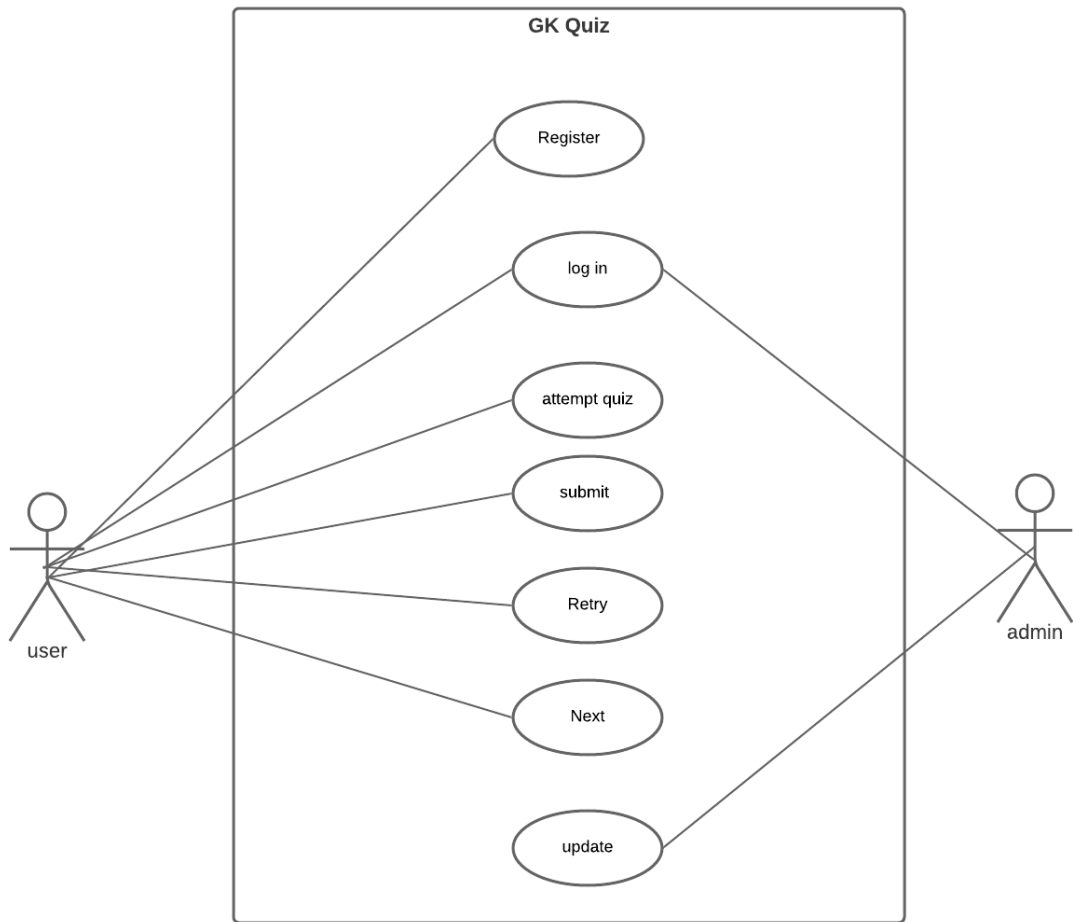
- Android studio version 4.1.3
- Windows OS 7/8/10 OR Ubuntu 20.4
- JDK (Java Development Kit)
- SGK (Software Development Kit)
- Android Version 4.0 or higher.

## Hardware requirement:

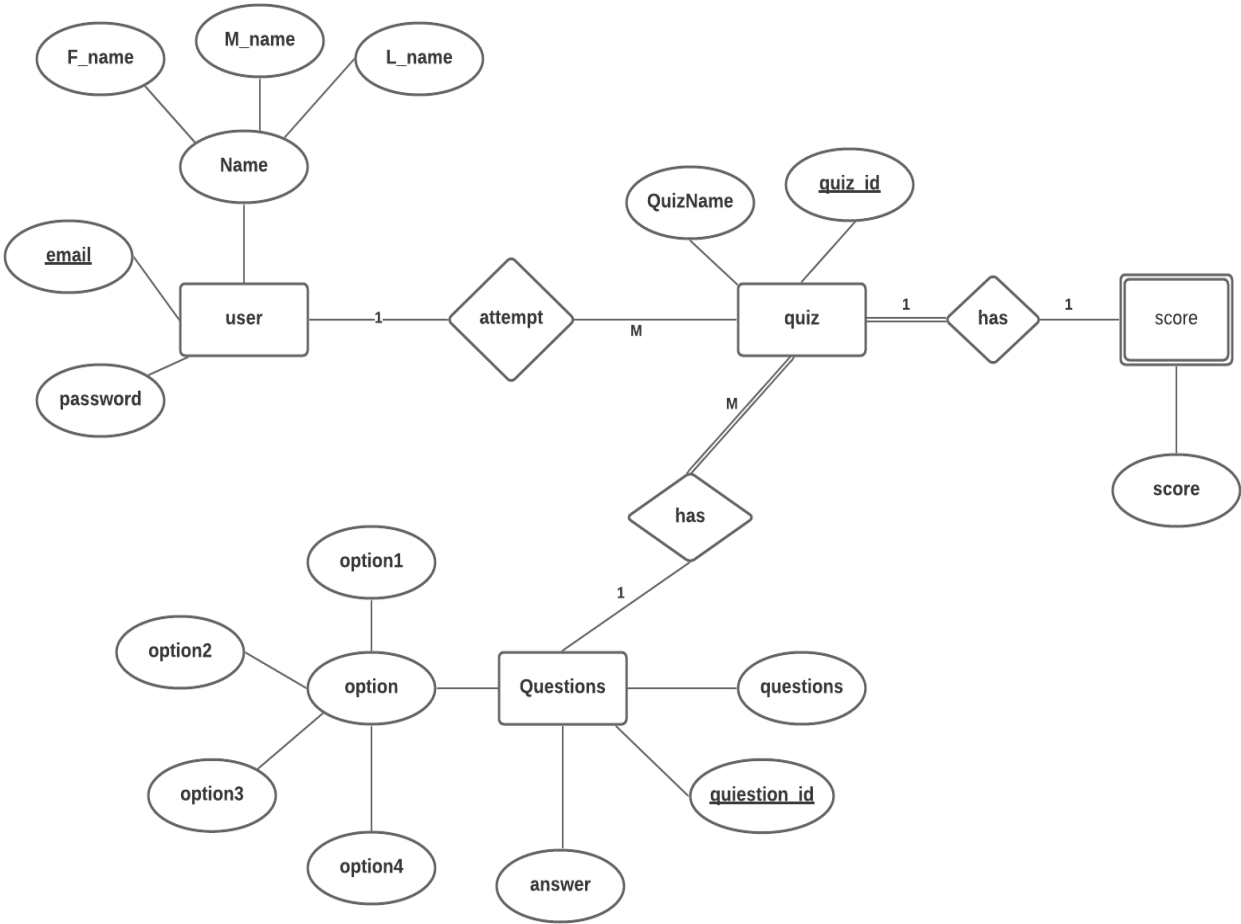
- Memory RAM 4GB or Higher
- 2.00GHz X 4 Processors
- Android smart phone

**System Design:**

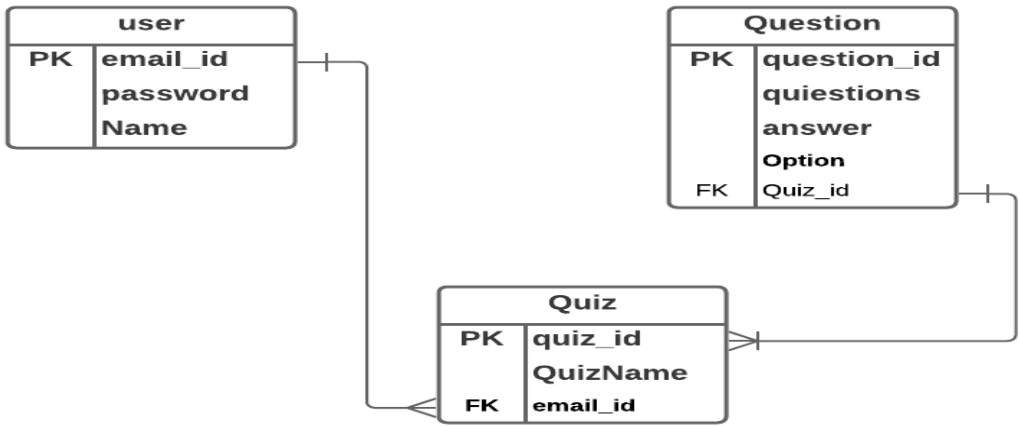
**1. Use Case:**



2. Entity Relationship Diagram(ERD):



3. Relation Schema:



4. Sequence Diagram:

