QUIZ APPLICATION

ANDROID

ABOUT THE PROJECT

Quiz Application is an android application that has general questions related to general knowledge. It has multiple choice questions without any time limit and it also calculate scores of each correct answer.First the user have to sign in then the user is registered to our application now the person can login and take quiz. After login our application will have two options namely Take quiz and Filter. This filter option enables us to select the difficulty(easy, medium, hard) and category(different categories provided by the API). After selecting these two, user can start the quiz by clicking on take quiz option. User can see a question along with four options and he has to select a single correct answer among them. By clicking on the next option provided below, he can go to the next question. User can even go to the previous question and can re-select the answer by clicking on the prev option. At the last question submit option will appear in place of next option. If a user clicks on submit option a box will appear which asks user to submit the quiz or cancel the submission. If user selects submit option then the quiz will be submitted and results will be shown immediately. This application allows user to view the solutions.

FEATURES

1.) Their are different categories to choose to take QUIZ

2.) We can choose the difficulty level to choose to take QUIZ

3.) After completion of QUIZ for each and every question their is status of answer to check with

4.) After QUIZ questions and answers are displayed side by size to check

5.) At last score is displayed in percentage

ANDROID COMPONENTS

· Relative layout   . API
· Constraint layout
· Text View
· Edit text
· Password
· Button
· Radio buttons
· Image view
· List View
· Intent
· Database (SQLite)
· Adapters
· Toast

USER INTERFACE (UI)

PAGE WISE UI DESIGN: Approx we are using 14 pages and login and sign up pages.

Login page:

Username field, the password field, login button, and sign-in button

Sign-in page:

Username field, the password field, and sign in button.

1st page:

It is an index on that an image and two buttons will be displayed one button is to take the quiz directly and another button is to set the difficulty level of the quiz.

2nd page:

This page is to set difficulty level if a person chooses filter in 1st page after choosing the difficulty level the page will display a type of difficulty and category.

3rd page to 12th page:

Each page will contain a question number, question, four options to choose by using radio buttons they can choose the correct option and next button is there to continue with remaining questions.

13th page:

This page will display results.

14th page:

This page will contain two choices answers and questions
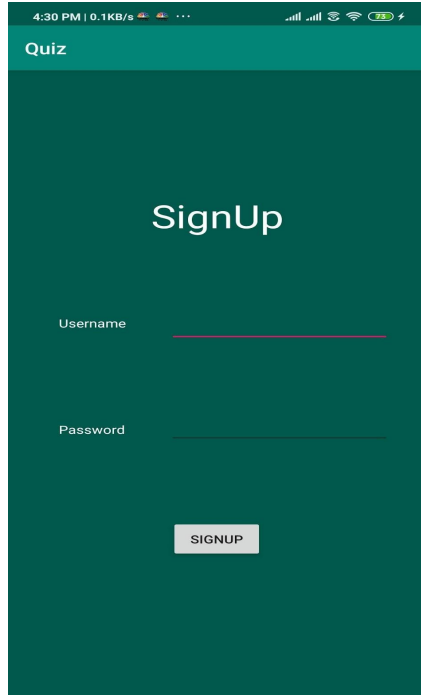
Answers choice:

Question wise it contains the status of the answer and correct answer.

Questions choice:

Question wise every question is displayed

SIGN-UP PAGE
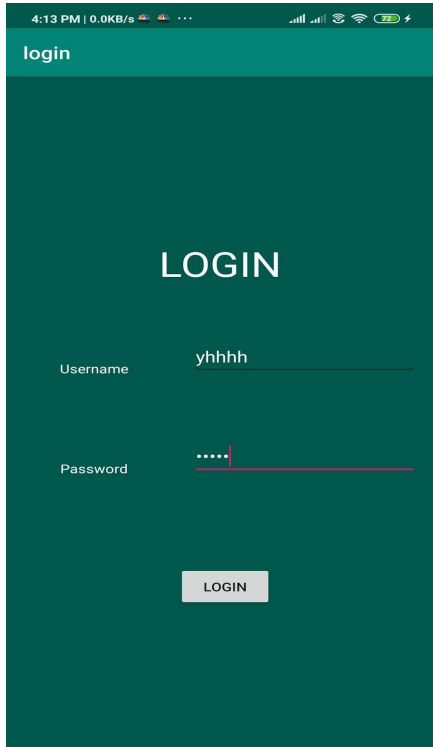
Username field, the password field, and sign in button

It stores the new user's data into database.

LOGIN PAGE

Username field, the password field, login button, and Login button

User to login into his account to take quiz

HOME PAGE
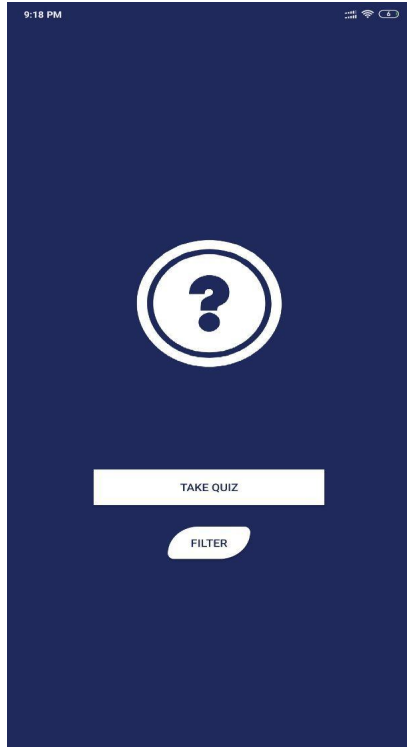
It is an index on that an image and two buttons will be displayed one button is to take the quiz directly and another button is to set the difficulty level of the quiz.
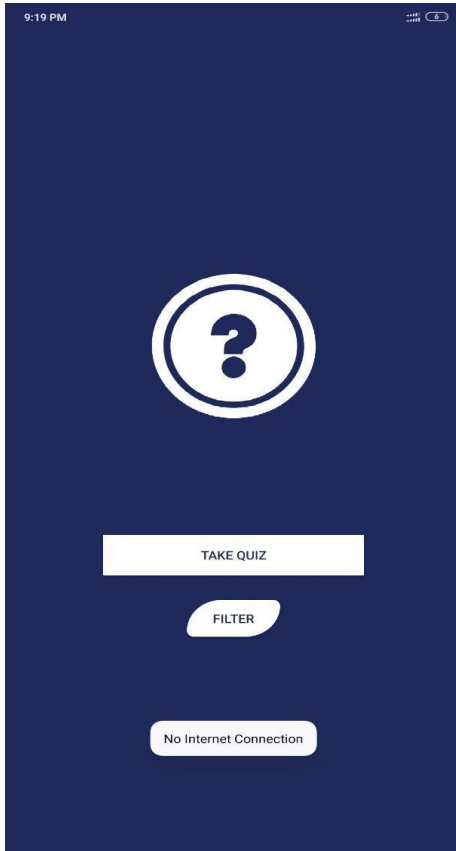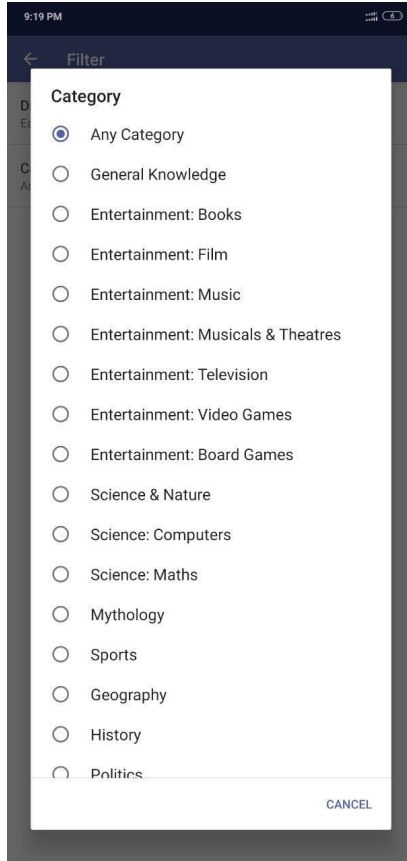
If the mobile is not connected to internet then toast will be displayed that internet is not connected
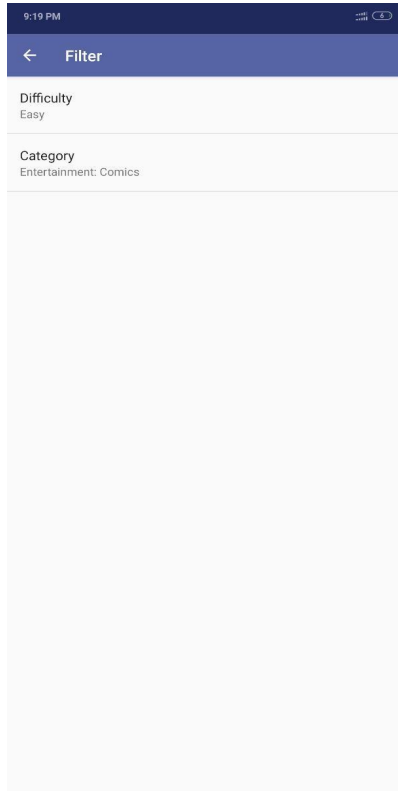
Filter page to filter the difficulty and categories
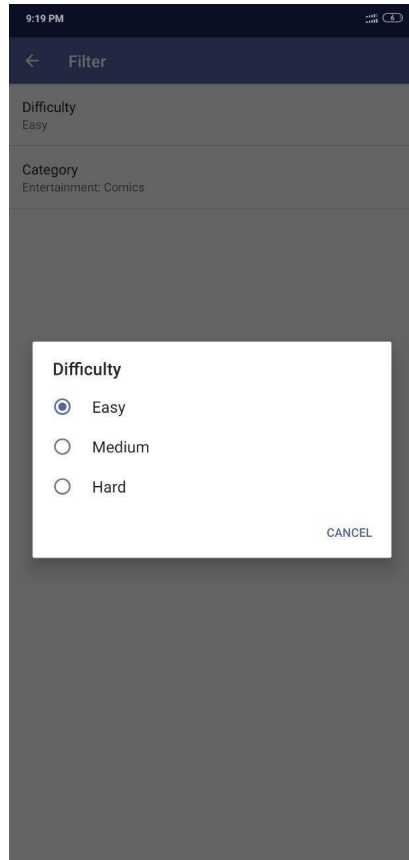
To select the level of difficulty

Can be selected from various categories

Q
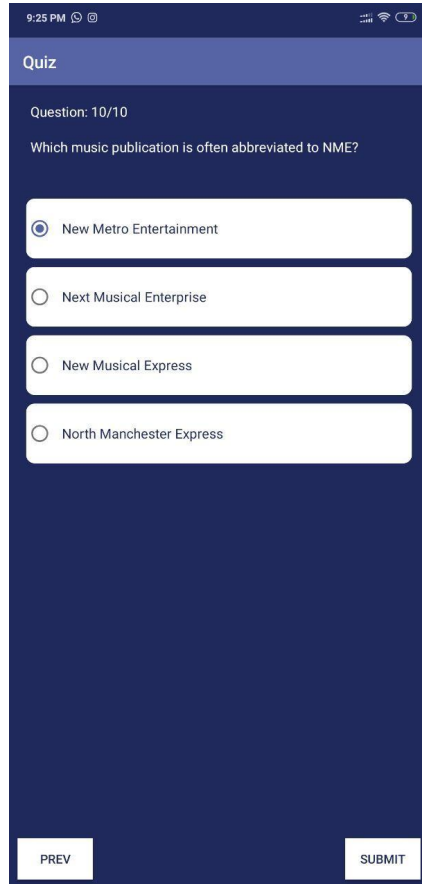
uestions with 4 options with next button to go to next button one option can be selected

Q

uestions with 4 options with next button to go to next question and with previous button to go to previous question one option can be selected at last submit button to submit our answers.
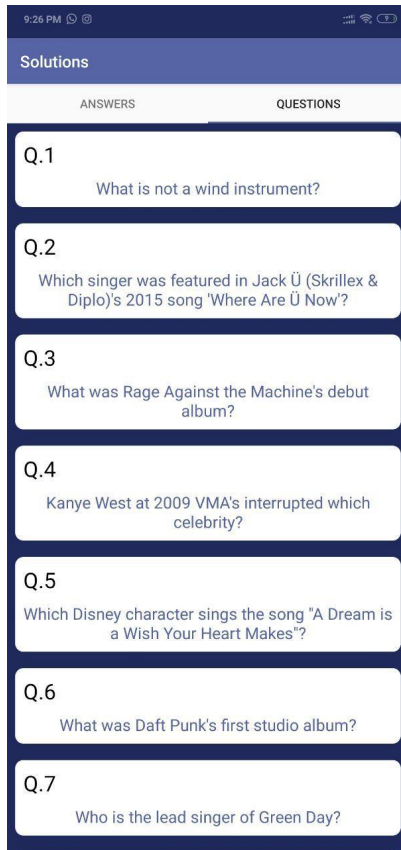
To conform submission
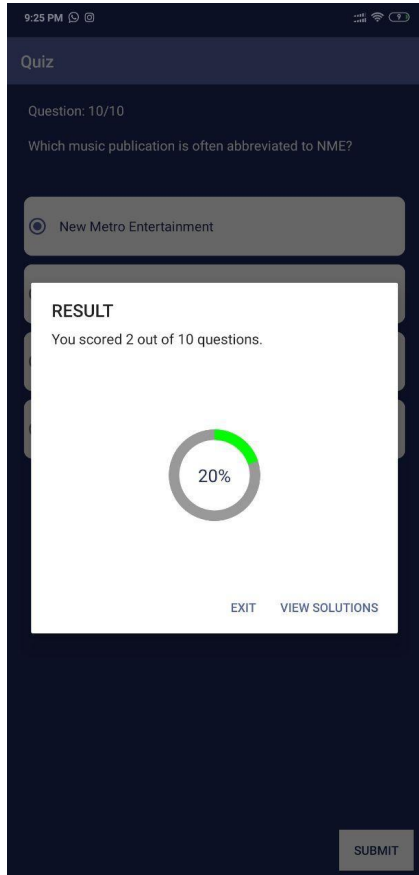
Result is displayed with percentage and number of questions answered with exit option to exit or to view solutions

Status of each and every question

T

o view the questions and answers simultaneously

DATA BASE

We are using SQLite Database to store each and every users username and password

USER_NAME	PASSWORD

API USED

Open Trivia

About API

The Open Trivia Database provides a completely free JSON API for use in programming projects. Use of this API does not require a API Key, just generate the URL below use it in your own application to retrieve trivia questions.

All data provided by the API is available under the Creative Commons Attribution-ShareAlike

Use of API

We are using this API to get questions from the internet with this API we can choose from various categories and we can choose the difficulty level