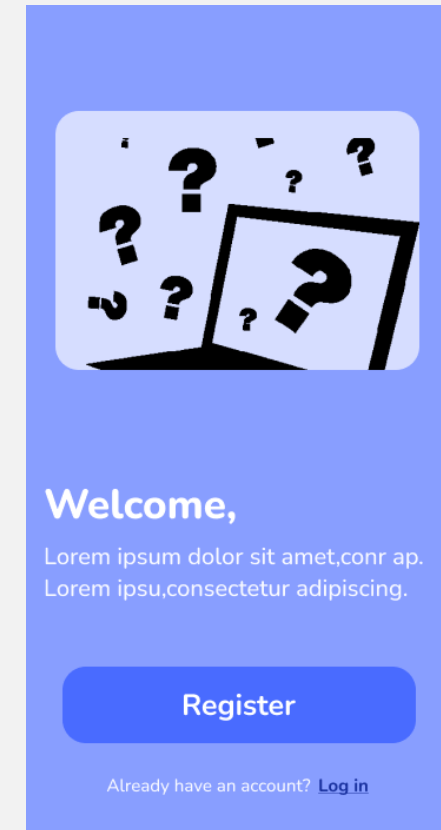# QUIZ APP

Requirement Specifications

END PRODUCT

- After completion of the project you have to provide me all api's collection for postman.

- You have to provide me all backend source files.

- You have to provide me frontend source files.

- You have to provide me IOS and Android app as discussed in this document.

- You have to integrate admob with the app.

API'S

- This is quiz app.

- I need an POST Api to enter questions.

- The Api body will accept category of the question, i.e. history, or math etc., text of the question (question may be lengthy so please don't limit it too short), three wrong answers and one right answer. Sixth option will be optional description for that question.

- Api should accept math symbol too if question is related to math.

- I need PUT Api too for this page for editing question.

- One Api to get all questions with pagination.

- All the other Api's are mentioned in upcoming pages along with screen designs.

0. WELCOME SCREEN

- This is one time welcome screen.
- It will show up after user install the app.
- New use can register and old user can go to log in page.
  The logo which is shown i.e. laptop and question marks is temporary we can replace it as the app develops.

Welcome,

Lorem ipsum dolor sit amet,conr ap.
Lorem ipsu,consectetur adipiscing.

Register

Already have an account? Log in

1. SIGN UP

✓ New user will be able to register with following fields.
✓ User can also register with google.
✓ When user click on continue with google for the first time than
✓ He will be automatically registered, his information will be saved.
✓ After registering with google he will be redirected to the page where
✓ He has to enter OTP send to email, and set his password.
✓ If he signup with google or manually, he will be redirected to login
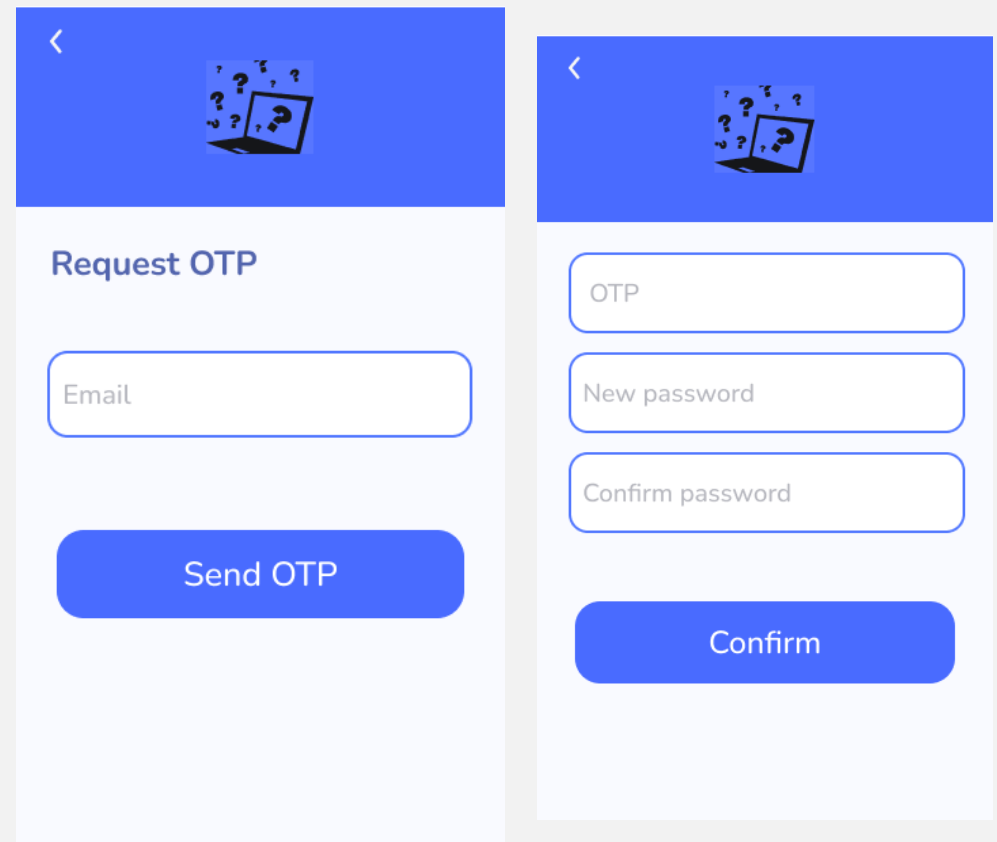✓ Page after this page.

2. LOGIN PAGE

- User can sign in manually.
- If he try to continue with google he should be automatically registered
- If he is not registered already. All procedure will be same for him as if he has
- Clicked on continue with google from the signup page.
- User can click on forgot password if he forgot password.

FORGOT PASSWORD

If user forgot password he will request OTP and will change password by entering OTP emailed.

PASSWORD CHANGE

User can also change password after logging in.

Change password

Old password

New password

Confirm password

Confirm

MENU

The menu for our app will look like this. Username, Rank and level. Rank concept is described with stats page.

Level can be assigned as the person progresses through his preparation. i.e. we can divide level into 5 categories from beginner to expert. And if we have 500 questions if users prepares 100 questions, he will be moved to next level.

This level field is to increase enthusiasm of the user. So does ranking.

If user clicks on user name, a simple form like all other forms as shown , will be opened. On that form user will be able to edit its username and country.

If user logged in with google he will can add country only through this page. We can sow pencil icon in front of user name to show that it is editable.
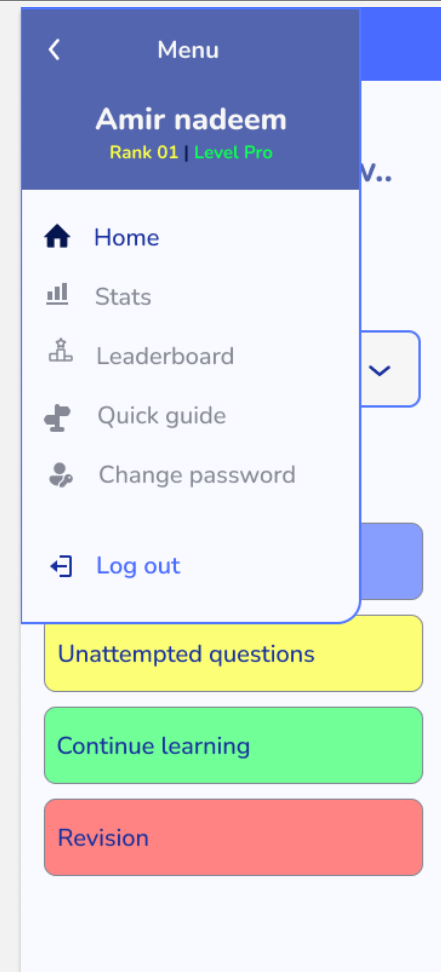
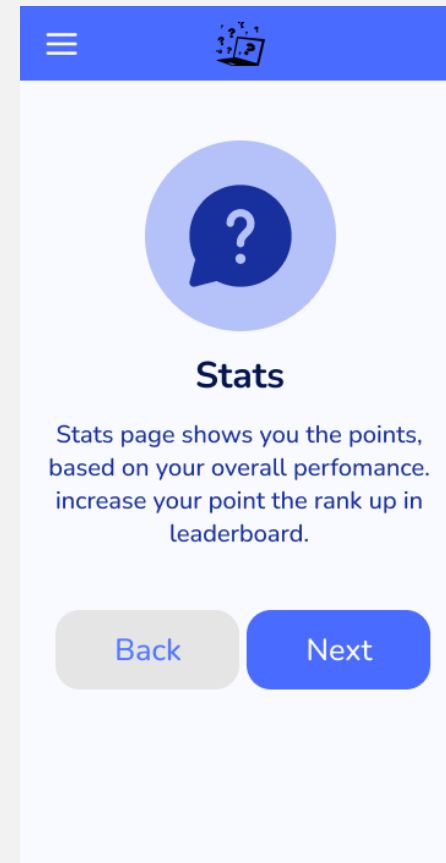# GUIDE PAGE

Guide page is collection of messages which provides the information about the app.

HOME PAGE

- Home page will look like this.

- If user click on quick quiz then it will be considered continue learning. Continue learning and other concepts about type of questions are described on next page. Please replace select type of question with select type of quiz.

- User have to select category (like history, English etc..) before starting any quiz. By default one category will be selected.

Start your quiz now..

Quick Quiz ›

### Select category

– ⌄

Select Type of question

Random question

Unattempted questions

Continue learning

Revision

- There are four type of quizzes.

- Random question are from all the question bank available in that category.

- Unattempt question are those which never appeared in the user quiz.

- Continue learning have mix question from un attempted questions and the other which he attempted but are still not prepared fully.

- A question will move to revision section (we can rename it prepared etc.) if user attempt this question correctly for three times in a row.

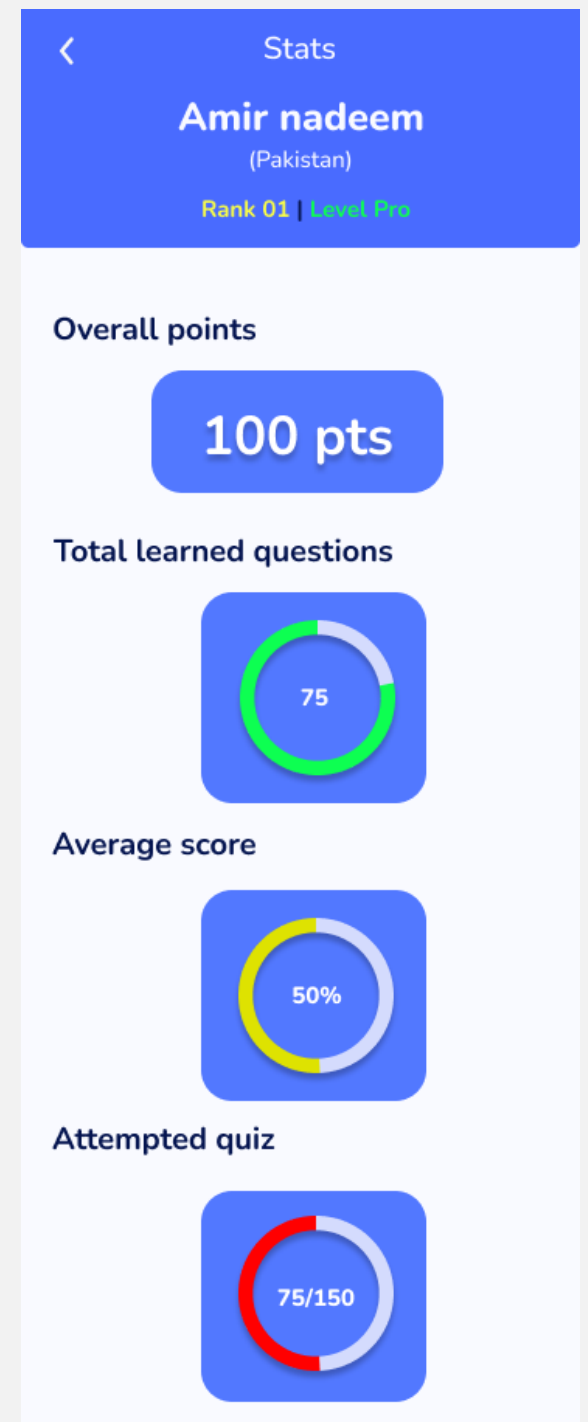- This page and stat page are very important page of the app.

Start your quiz now..

Quick Quiz

Select category

Select Type of question

Random question

Unattempted questions

Continue learning
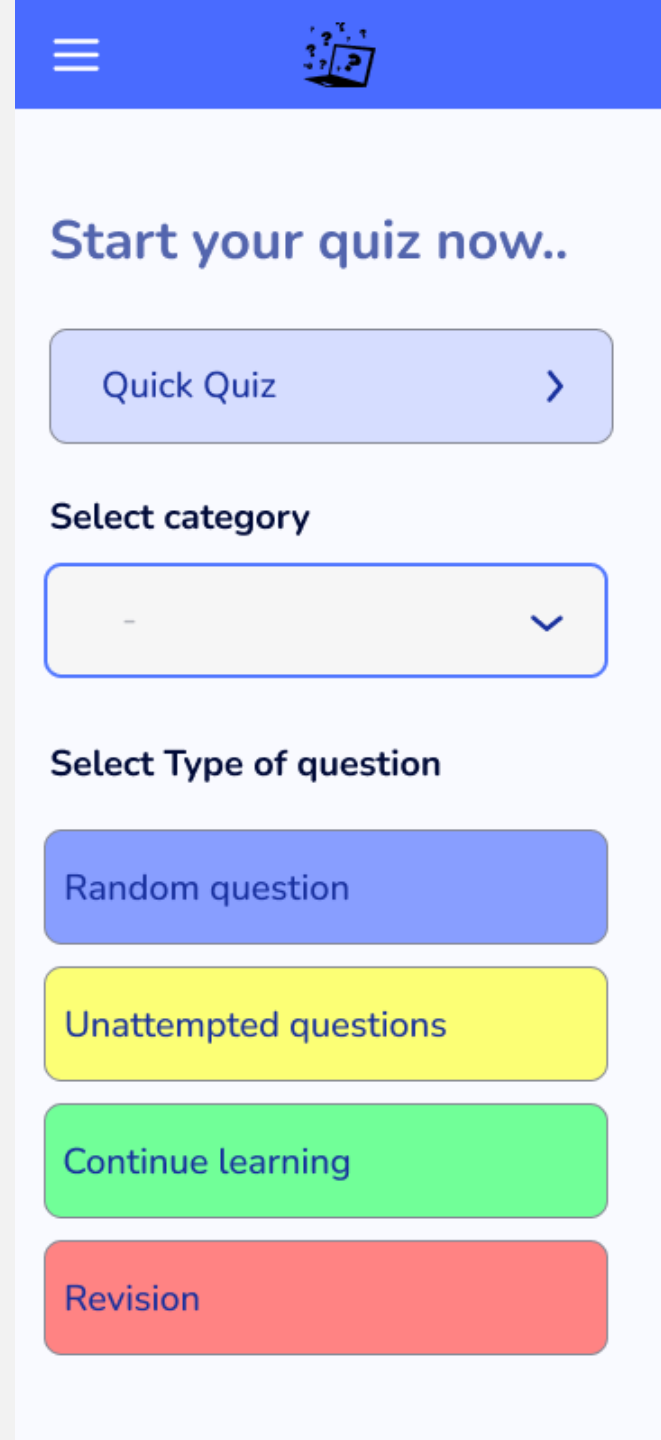
Revision

STAT PAGE

- It is very important to manage this page and home page quizzes types from the backend in a correct way.

- Total leaned question are the question which are in revision/prepared category.

- Average score is student average score in all quizzes. It will update like: If user has attempted 2 quizzes with 60% marks and he attempted one new quiz and got 80 percent marks then new percentage = (60+60+80)/3. I hope you understand it fully.

- Attempted quizzes are total number of quizzes attempted by the user. It will not be like 75/150. this is error . As we can't know total number of quizzes. As user can attempt unlimited quizzes from all categories. SO it will be a number.

- Points will calculated with the formula. If average score is 50% than

    points= [((50*2)/100)*total learned question]+ total quiz attempted.

Note: 50 is percentage in above formula

This stat page will same for all categories. I.e if user attempted 5 quizzes of history and one of English than total quiz attempted will be 6.

Stats

Amir nadeem
(Pakistan)
Rank 01 | Level Pro

Overall points

100 pts

Total learned questions

75

Average score

50%

Attempted quiz

75/150

LEADERBOARD

Leader board is simply on the basis of points as calculated on stats page. On the leader board page user can see today leaderboard along with weekly, monthly and all time results.

QUIZ START

After selecting quiz category user can start quick quiz which will be continue learning type. Or user can start quiz from the four types of the quizzes as mentioned on home page.

Every quiz has 20 questions.

Every quiz will have 20 minutes .

Next button will be disabled until user select one of the answer.

As user select one of the answer the correct answer will be shown immediately with the tic and cross.

If user select correct answer only a tic will be shown.

If he select wrong answer than cross will be shown on his selected

Answer and tic will be

shown on right answer.

Next button will be enabled

Then.

If a quiz is uncompleted

Then total question learned

May be counted for stats but

This quiz and percentage

Will not be counted.

COMPLETION OF QUIZ.

After attempting all 20 question or when the time finishes the result will be shown like this.
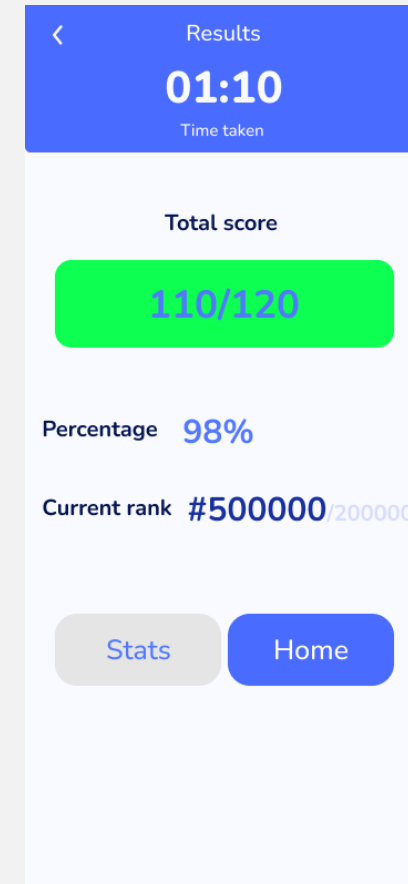
FINAL WORDS

- If you don't understand any thing please let me know.

- If you have better idea about any part of the app.

- Are you ready to complete this project in the given budget?

- I have tried to cover everything in this document. If something is missed it may be added. But it will not be major thing.

- As discussed logo of laptop with question marks is not final yet. I may change the logo.