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Internship Program- Android App Development
Batch- February 2022
Certificate Code-TCRIF02R38
Date of submission-09-05-22



Technical Coding Research Innovation, Navi Mumbai,
Maharashtra, India-410206

(Learn and Test-Java Application)

A Case-Study Submitted for the requirement of
Technical Coding Research Innovation

For the Internship Project work done during
**ANDROID APP DEVELOPMENT
INTERNSHIP PROGRAM**

by

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ABSTRACT

E-learning is an important part of our smart education system. There is various e-learning application that are available on play store. The main purpose of these application is to provide overall information of a particular programming language. Learn and Test-Java Application is a java tutorial application in which all the basics of java and object-oriented programming topics, syllabus, interview questions with answers, quiz that have multiple choice answers are available in the application.

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1. INTRODUCTION

Learn and Test-java is an e-Learning Application system which covers all the topics of java programming language. Firstly, you can see the welcome screen of the application. You have to register yourself first, then login into the application. After user logs in to the application, Dashboard is displayed where user can see Java topics, interview questions and answers, quiz and also reference videos are also provided.

2. OBJECTIVE

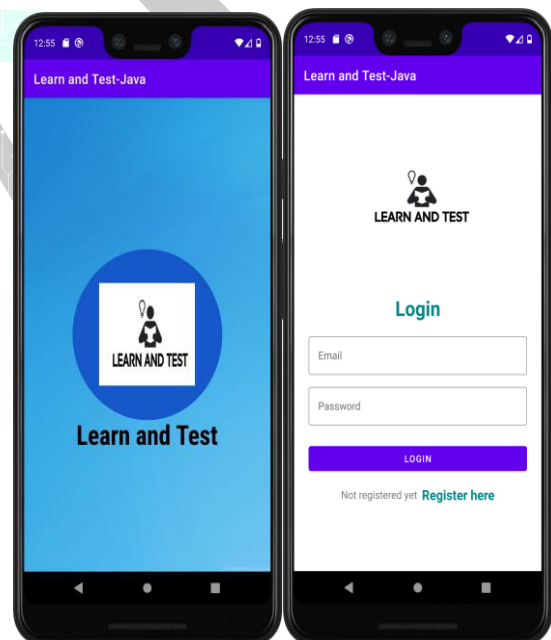
The main objective of this application is to create learning application that help user to get a in depth knowledge of a particular programming language, user can see overall topics, interview questions and answers and reference videos.

3.TOOLS

The tools that are necessary for doing this project are listed below

1. Android Studio
2. Operating System- Windows 11 | 10
3. Java & JDK
4. Android Device or Android Emulator
5. Firebase

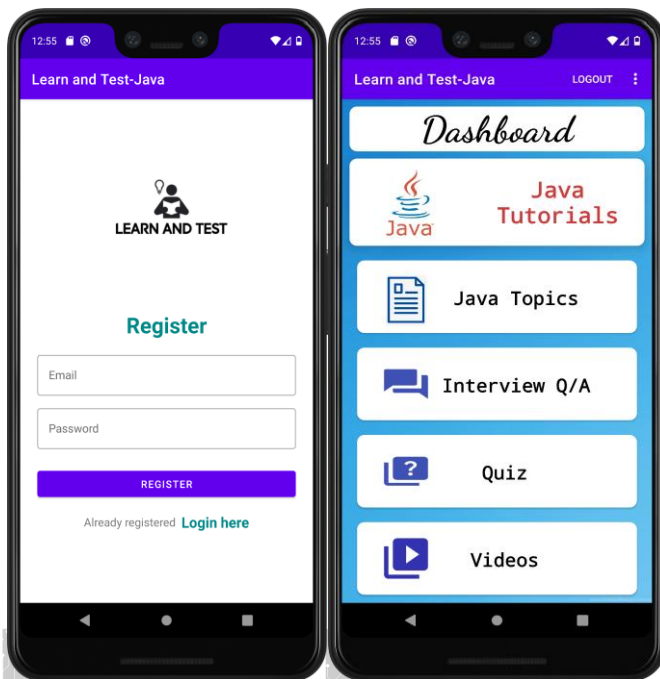
4.DESIGN PRINCIPLES



Splash Screen and Login Activity

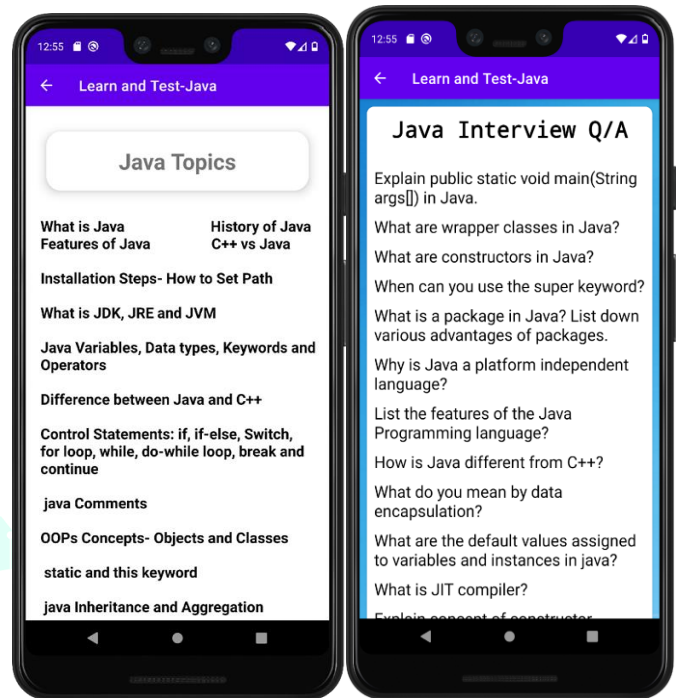
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When user open the application, Splash Screen will be displayed. User has to first register his account by entering user name and password that will be stored in Firebase and then after registration, user has to login to the system.



Register and Main Dashboard Activity

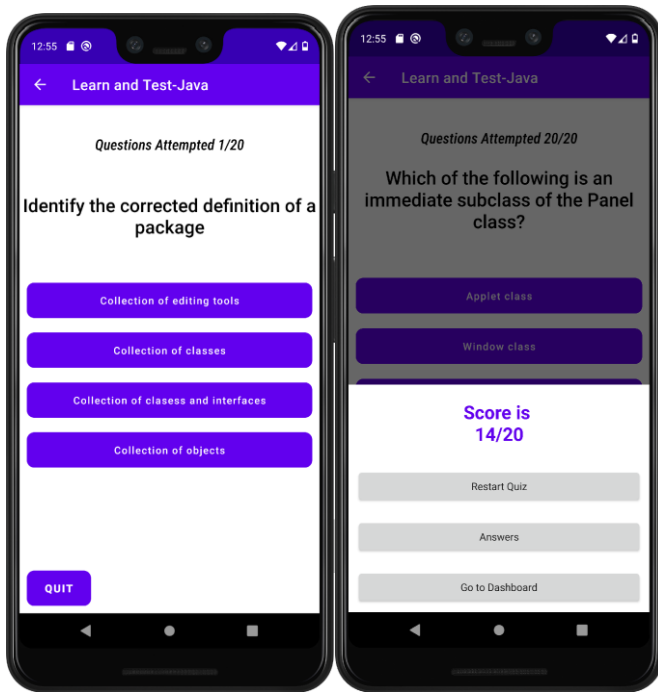
Dashboard will be appeared after user logs in to his account.



Java Topics and Interview Questions Activity

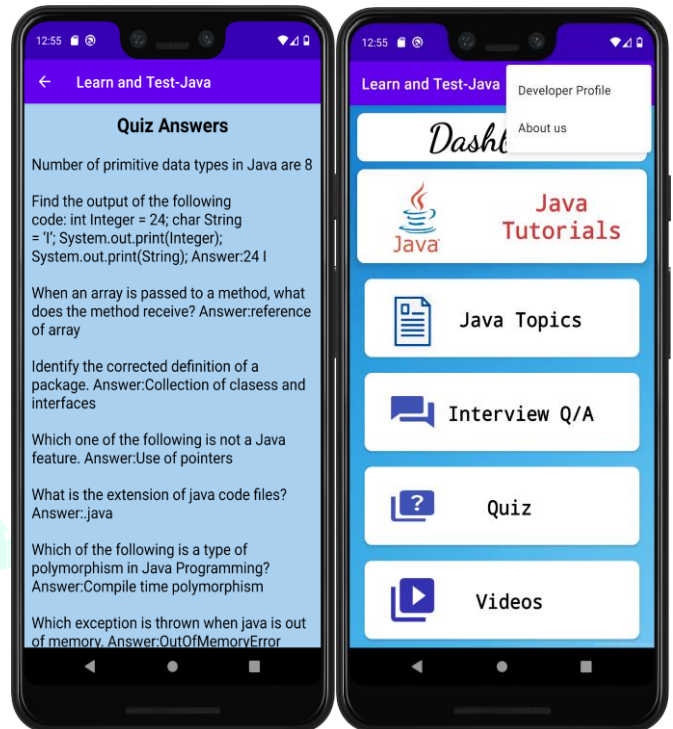
This is Java Topics Activity and Interview question activity when user click on the question, answer will be displayed.

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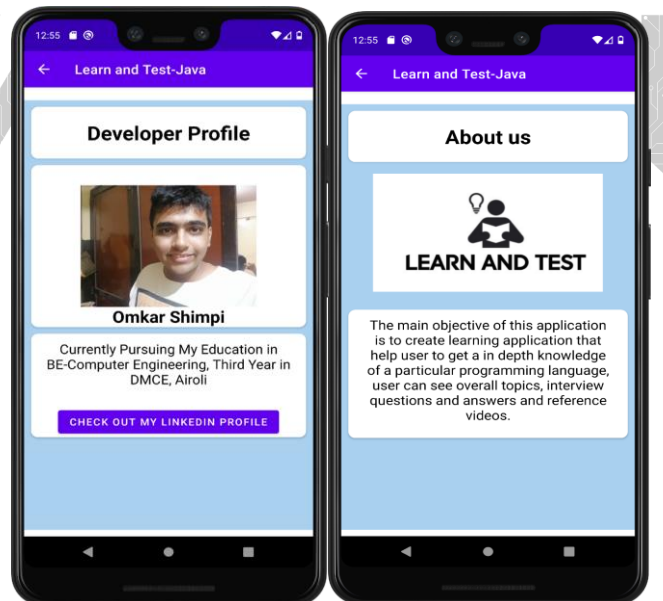
Quiz Activity

When user click on quiz module, Quiz questions will be appeared, after attempting 20 multiple choice questions, score will be displayed. Here user can again restart the quiz, check answers and also can go directly to the Dashboard.



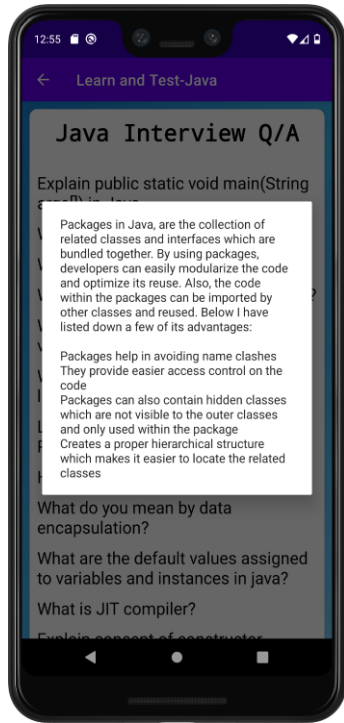
Quiz Answers and Option menu on Dashboard Activity

On Dashboard, user can see option menu with Developer Profile and About us Activity.



Developer and about us activity

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Java Interview Answers

5.CONCLUSION

The Learn and Test-Java Application helps user to get an overall knowledge of the java language.

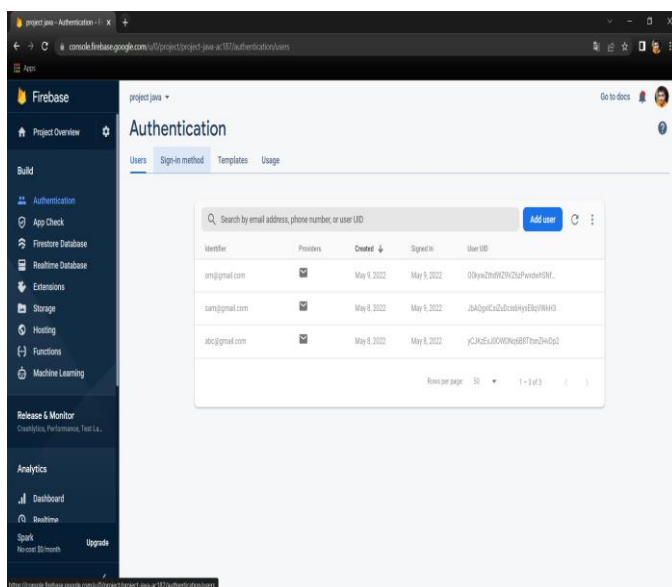
6.ACKNOWLEDGEMENT

I wish to thank the whole team for providing this great internship opportunity.

I would like to thank my trainee, Mr Saheel Ramji sir and Rutuja Doiphode mam and whole team who directly and indirectly provide us guidance in the whole program

7.PREFERENCE

1. <https://developer.android.com/docs>
2. <https://www.youtube.com/>



Firebase authentication