

# Scholar Quiz App

Under Google India Challenge Scholarship Program  
Made With Love by Udacitians

## Project Maintained By :

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## Overview

Here the students under the scholarship program can participate in quizzes that are being conducted by moderators or program monitors in an organized manner.

So we are here to give an equal chance to all scholar students irrespective of the timing.

The user will be able to log in using slack id or email Id. The user will then reach the main screen where they can see various channels based on regions or lessons in the program they have joined. When the user selects the channel or lesson they will be able to view a list of all the quizzes or challenges available in that channel. The user then can click on the quiz they wish to take by selecting that quiz from the list.

GitHub Url: <https://github.com/UdacityAndroidBasicsScholarship/scholar-quiz>

## Goals

Existing system only allows the user to take the quiz that is being prepared using google forms and requires the user to be available when the quiz is being scheduled. If the user misses the schedule or joined the program late he/she will miss the quiz. In the new system, the moderator and scholar program handler will be able to add a quiz to the list. When the quiz is added, the subscriber will automatically get the notification in the app

This document provides the detail about the Scholar Quiz app and helps in understanding the objective, process, data flow and design of the system

## Activity:

### Admin :

- Admin will be able to create new Channels or Lessons as and when required.
- Admin can assign a moderator to the created Channel or Lesson

### Moderator:

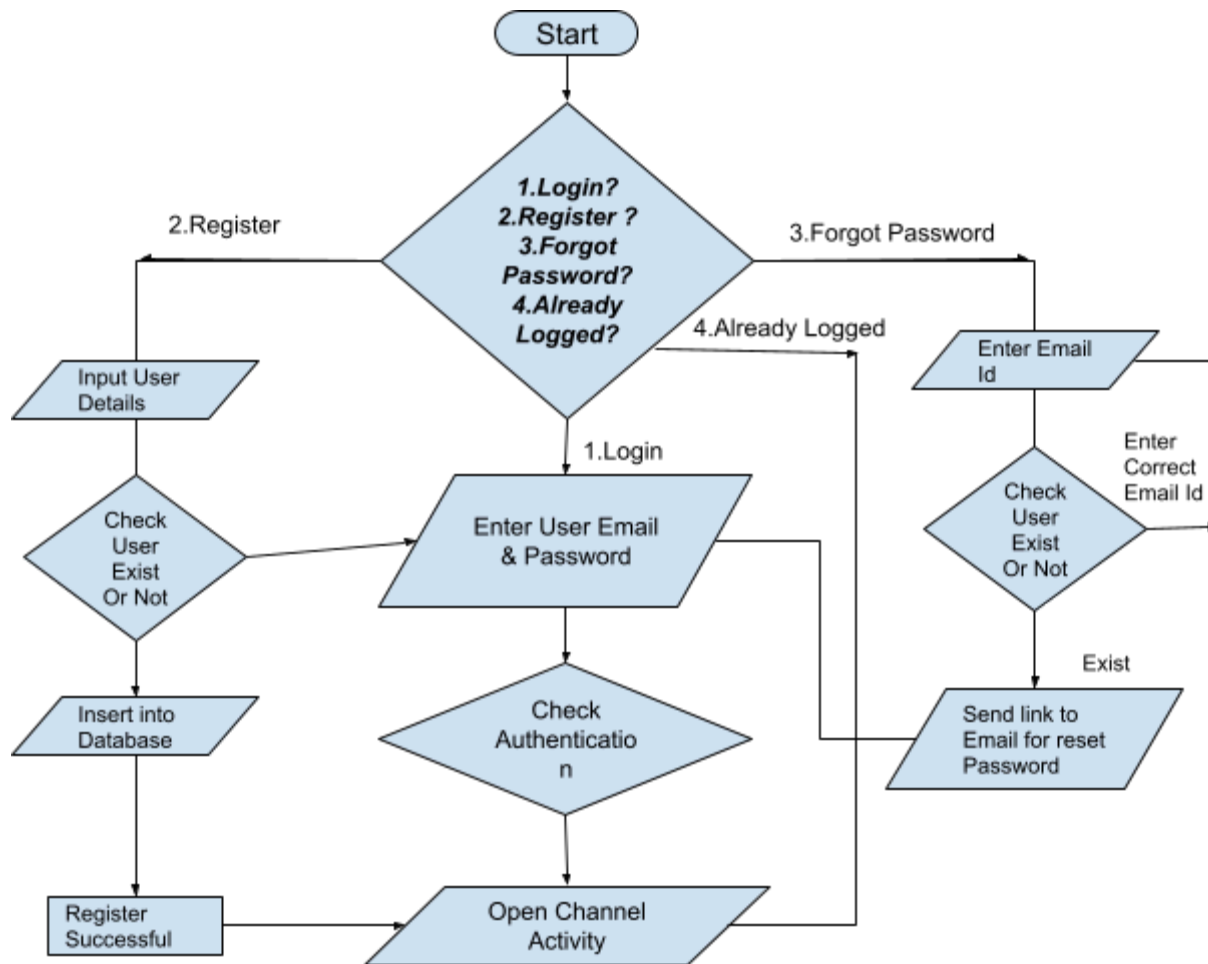
- Every channel has a moderator that is selected by admin.
- Moderators will have admin rights to the channel they are responsible for.
- Moderator will have the right to create quizzes for the channel.
- Moderator will then publish the quiz which will be available to subscribed users.
- Moderator can edit a question-answer set before publishing the quiz. Edit will not be allowed after being published.
- Moderators can see the question-answer set of the published quizzes.



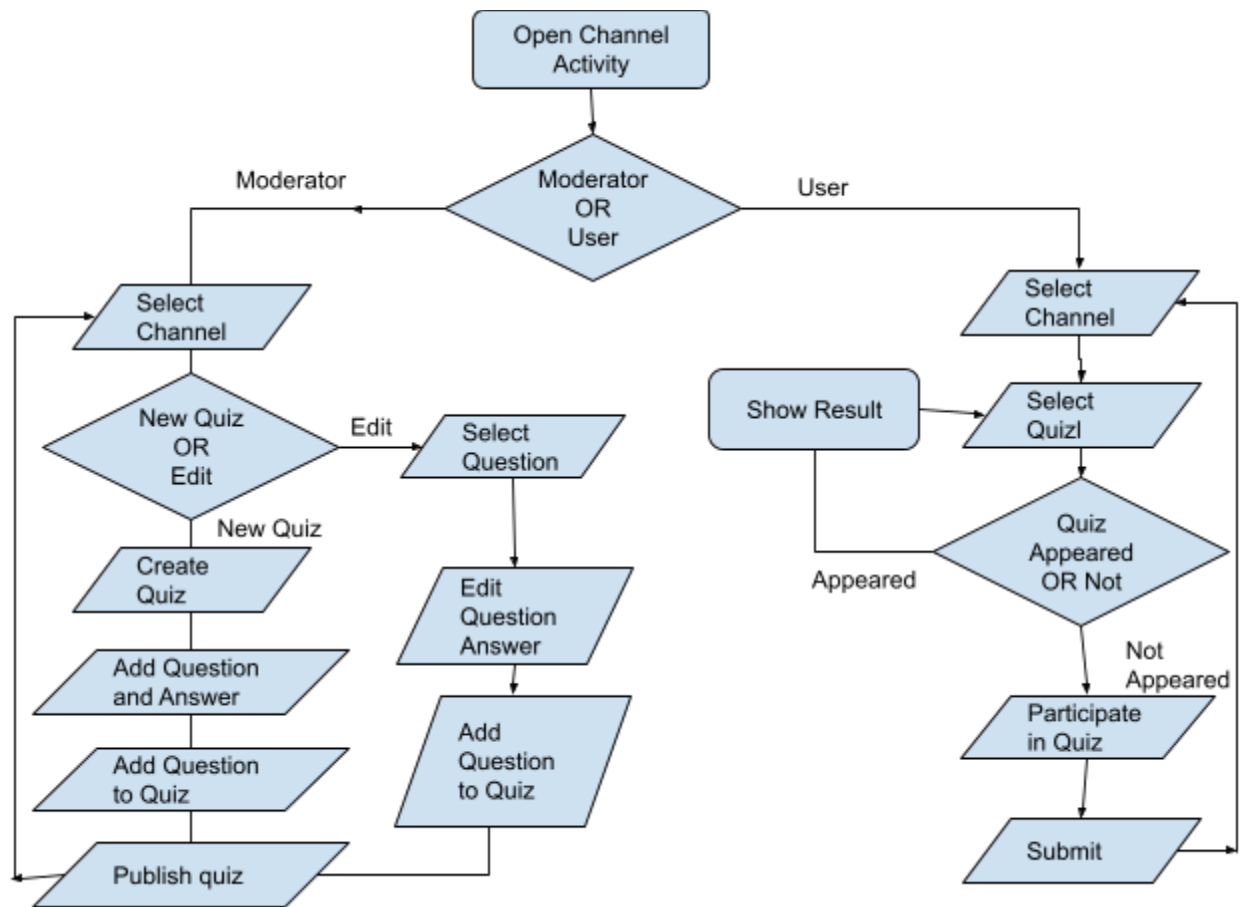
### User:

- The user (scholars) will be able to login using their email id
- For the first time the users need to sign up by providing either their slack id , email id, Name, and password.
- Once the registration process completes, users can login using their email id.
- In case the user forgets the password they can reset it by providing their mail id. A mail will be sent to the user email account to reset the password.
- The user then will be presented with the screen showing the list of subscribed channels. For the first time the user has to subscribe to the available channels from the available channels list.
- The user then can click on the channel to view the list of quizzes in that channel. The user then will be able to participate in the quiz from the list available in that channel.
- User can see his/her result after appearing in the quiz.
- Users will be able to see all their responses and correct answers to all questions available in the quiz.

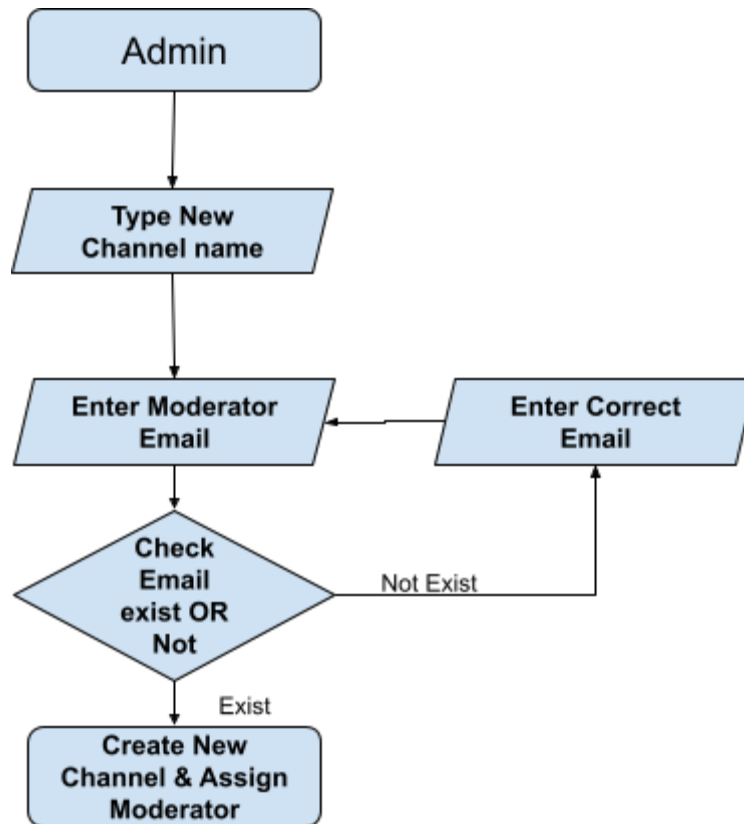
### Flow Chart:



## 1. Login And Register Part



## 2. Moderator And User



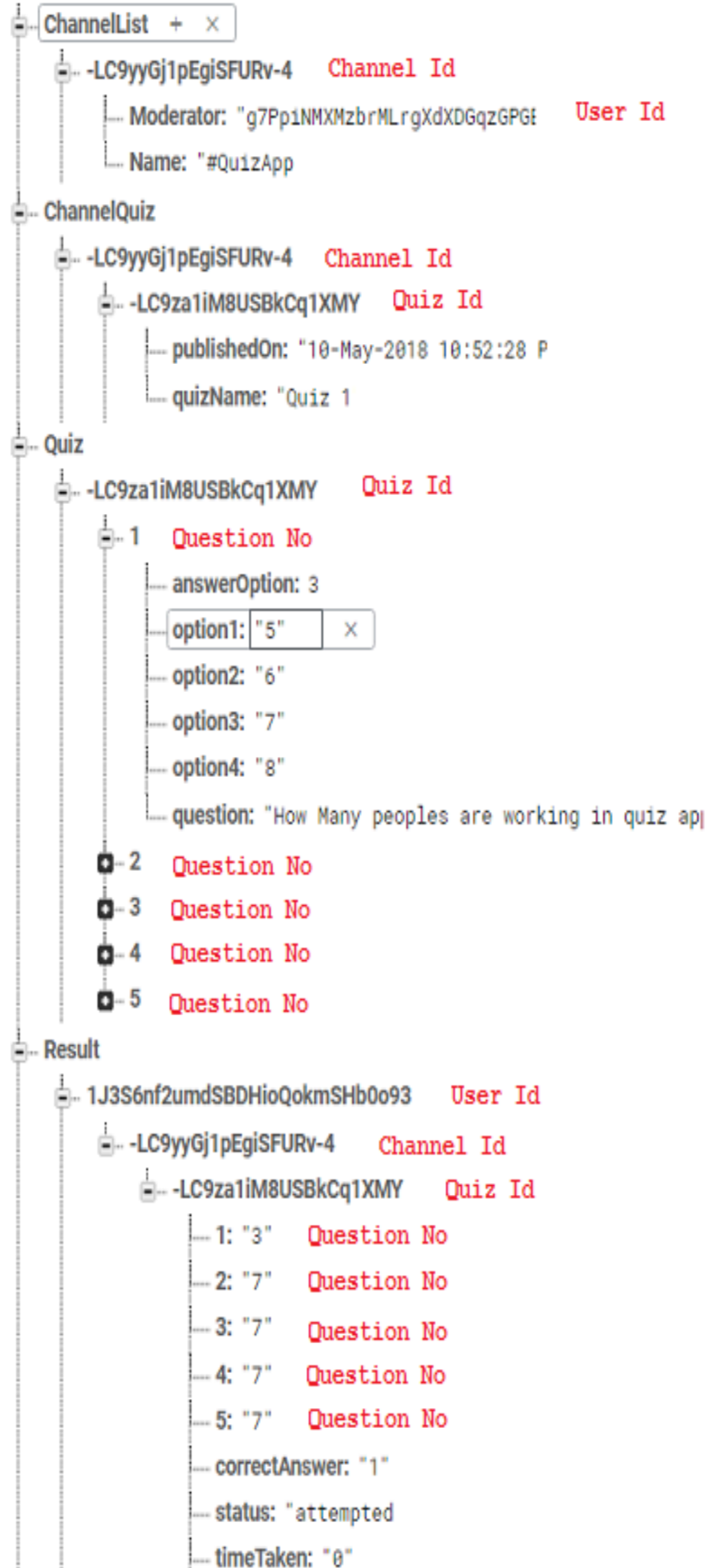
### 3. Admin

#### Firestore Data Structure:

There are 6 data structure to fulfill the Scholar Quiz App requirement. A screenshot of data structure is given below.

1. ChannelList
2. ChannelQuiz
3. Subscription
4. Quiz
5. Result
6. Users

## scholar-quiz





**User Interface Navigation:**



## Further Implementation :

1. Slack API integration
2. Notification to user when a quiz gets published.
3. Google Login to check proper email has been given or not.
4. Moderator Can give time limit while publishing quiz. And this timer will set for user while attempting to quizzes.
5. Previous and Next button to be added while appearing to quiz. So that he can re-select the answer of previous and any question before submitting it.

## Weekly Report:

Link to All consolidated weekly Report

<https://drive.google.com/open?id=1lx4mTBnxmmtvDBKIZGTikQdpmXxqVI-M>

## Reference:

Latest Code available on GitHub Url Master branch

<https://github.com/UdacityAndroidBasicsScholarship/scholar-quiz>

