

# BookBugs

## Book Review App

Final Project- Smartphone Based Web Development

**Reema Dutta**  
**NUID- 001890899**

College of Engineering  
Northeastern University  
Boston, MA



# Introduction

This is book review app which will let user to search books by title, view their information, give reviews and view reviews given by others.

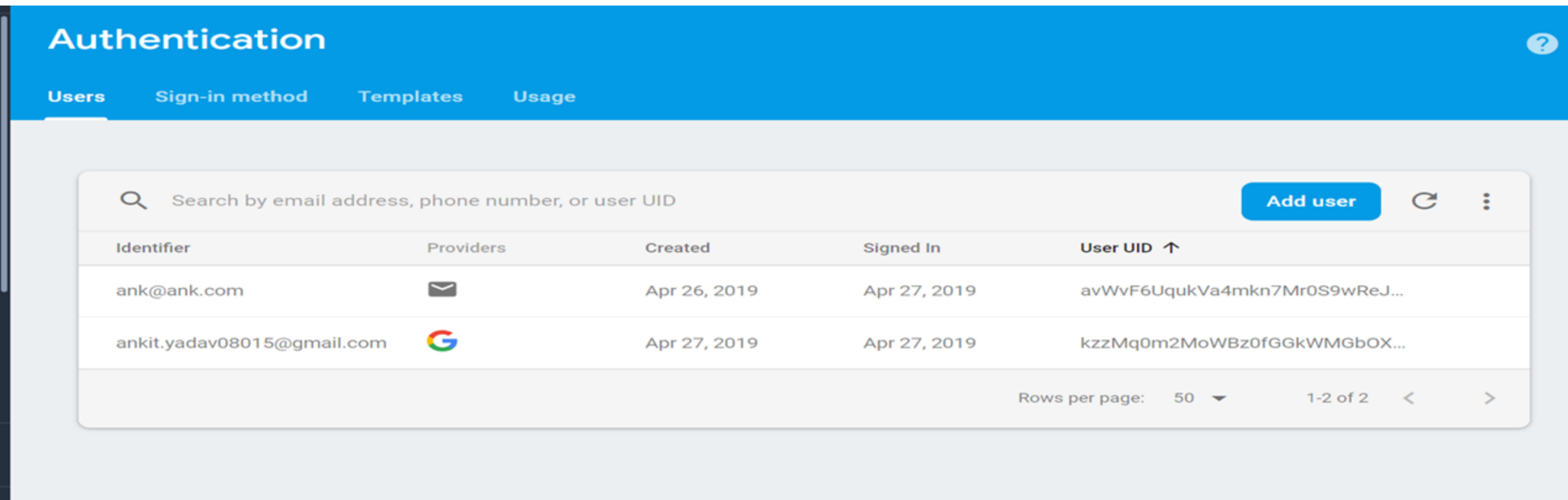
## Features:

- Used Goodreads API to fetch the data of the books.
- Used Firebase Authentication email and password based authentication
- Used Firebase GoogleSignIn feature to let user signin by using google
- Used Firebase Database to save User data and all the Reviews created.
- Used AutoLayout for layout positioning and UI





# Firebase Authentication

Firebase auth screen



The screenshot displays the Firebase Authentication console interface. At the top, a blue header bar contains the word "Authentication" and a help icon. Below the header, a navigation bar includes tabs for "Users", "Sign-in method", "Templates", and "Usage". The "Users" tab is active, showing a search bar with the placeholder text "Search by email address, phone number, or user UID", an "Add user" button, a refresh icon, and a menu icon. Below the search bar is a table with the following columns: "Identifier", "Providers", "Created", "Signed In", and "User UID". The table contains two rows of user data. The first row shows the email "ank@ank.com" with a mail icon as the provider, created on "Apr 26, 2019", signed in on "Apr 27, 2019", and a truncated User UID. The second row shows the email "ankit.yadav08015@gmail.com" with the Google logo as the provider, created on "Apr 27, 2019", signed in on "Apr 27, 2019", and another truncated User UID. At the bottom right of the table, there is a "Rows per page" dropdown set to "50", and a pagination indicator showing "1-2 of 2" with left and right arrow icons.

Identifier	Providers	Created	Signed In	User UID ↑
ank@ank.com		Apr 26, 2019	Apr 27, 2019	avWvF6UqukVa4mkn7Mr0S9wReJ...
ankit.yadav08015@gmail.com		Apr 27, 2019	Apr 27, 2019	kzzMq0m2MoWBz0fGGkWMGboX...



# Firestore Database

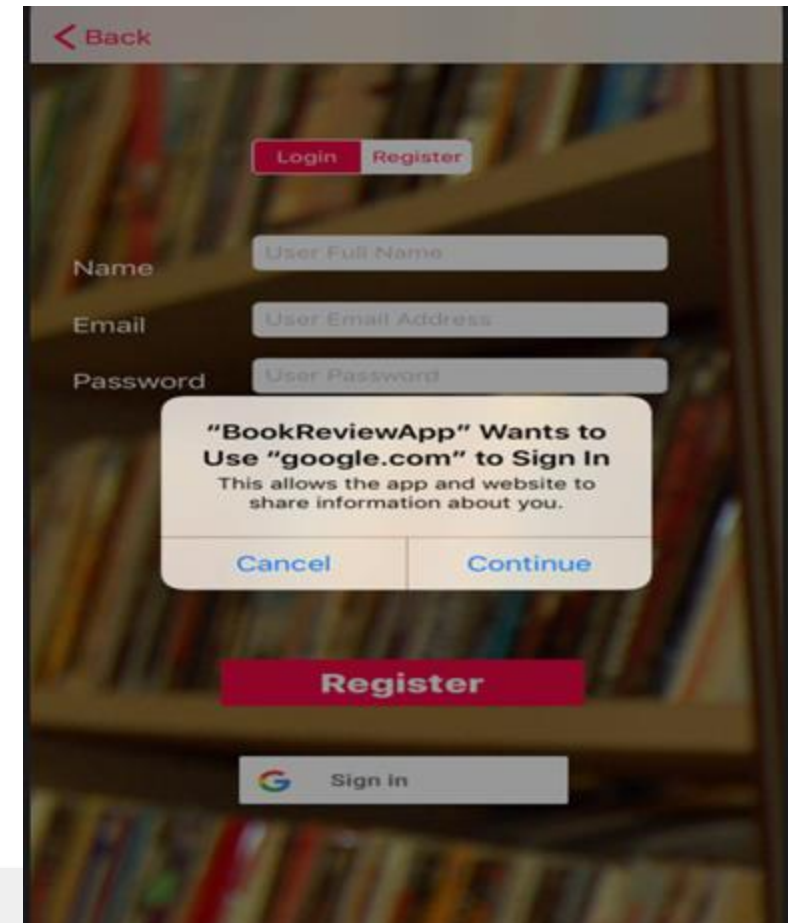
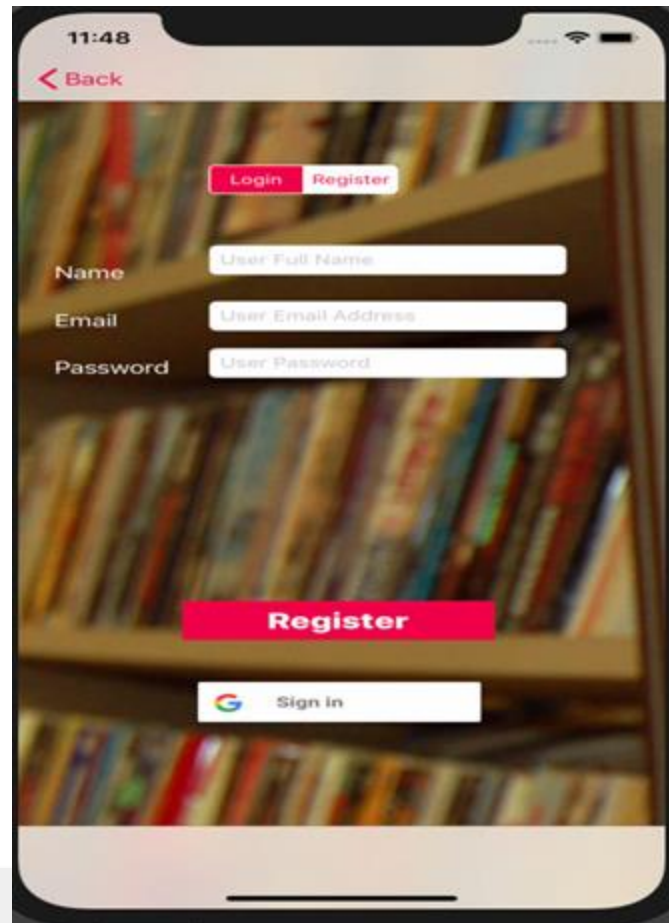
Firestore database to save user data and reviews

The screenshot displays the Firebase Firestore console interface. At the top, a blue header bar contains the text 'BookReviewApp' with a dropdown arrow, followed by 'Database'. On the right side of the header, there is a 'Go to docs' link and a notification bell icon. The main content area shows a tree view of the database structure for the project 'bookreviewapp-77d7f'. The tree has two primary nodes: 'Reviews' and 'Users'. The 'Reviews' node is expanded, showing a list of document IDs. The first document, '-LdRZOBdF6fl4SWiTPc', is also expanded, revealing its data fields: 'image' (a URL), 'name' ('ankit'), 'rating' ('3.91'), 'review' ('Great Book dude'), and 'title' ('The Girl on the Trai'). Below it are three more document IDs, each with a plus icon to expand it. The 'Users' node is also expanded, showing a list of document IDs. The first document, '-LdNa5suEzPqwxotW532', is expanded, showing its data fields: 'email' ('ank@ank.com') and 'name' ('Ankit'). Below it is another document ID with a plus icon.

```
bookreviewapp-77d7f
├── Reviews
│   ├── -LdRZOBdF6fl4SWiTPc
│   │   ├── image: "https://images.gr-assets.com/books/1554439966s/"
│   │   ├── name: "ankit"
│   │   ├── rating: "3.91"
│   │   ├── review: "Great Book dude"
│   │   └── title: "The Girl on the Trai"
│   ├── -LdR_rErtN2Ctnj9kK-
│   ├── -LdS9vLau00tr0k-erZc
│   └── -LdSlCteoPMqktVUpRpC
└── Users
    ├── -LdNa5suEzPqwxotW532
    │   ├── email: "ank@ank.com"
    │   └── name: "Ankit"
    └── -LdUPkMI8eBy7krDHXsb
```

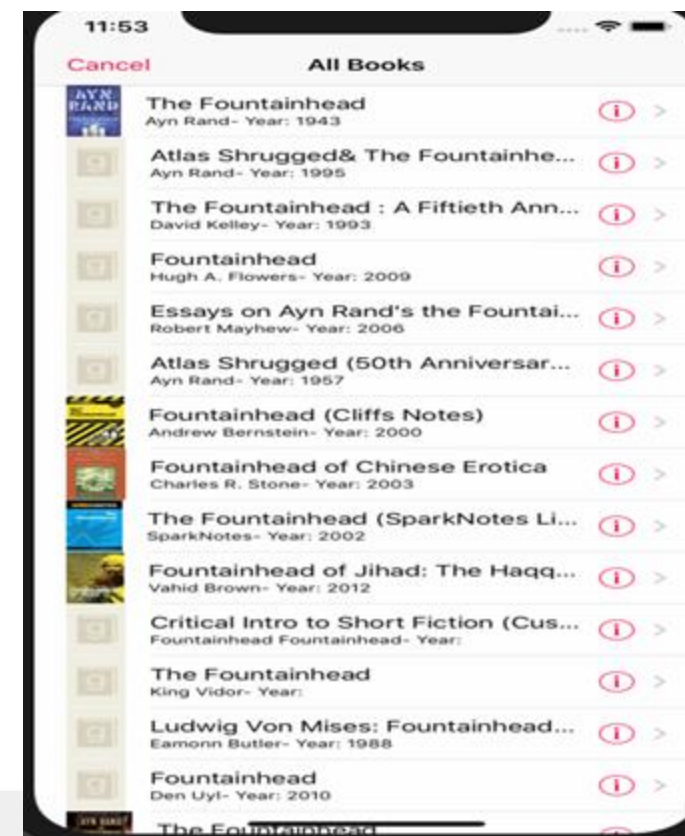
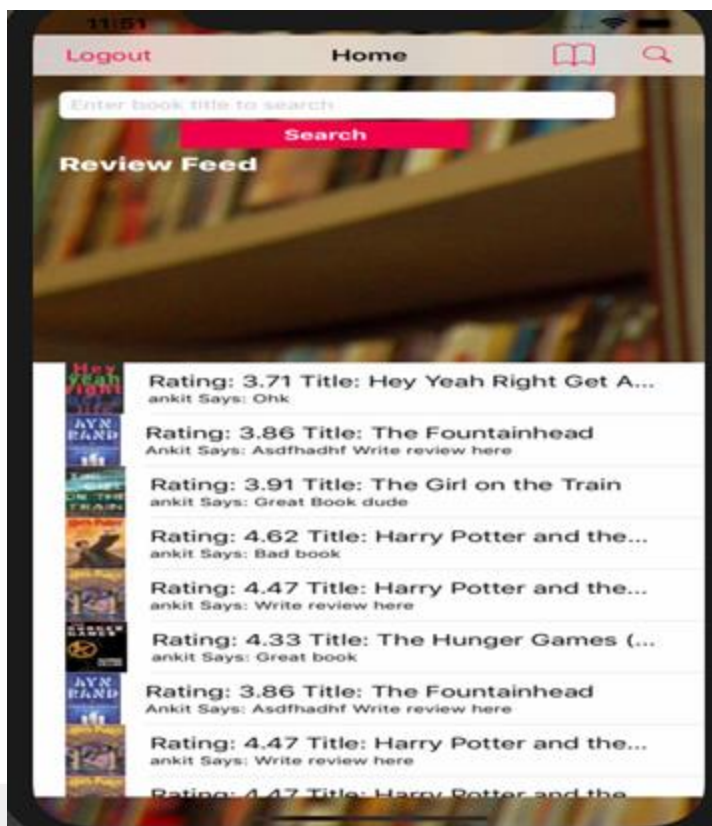
# Login Page

Home Page and Login/Register



# Home Page

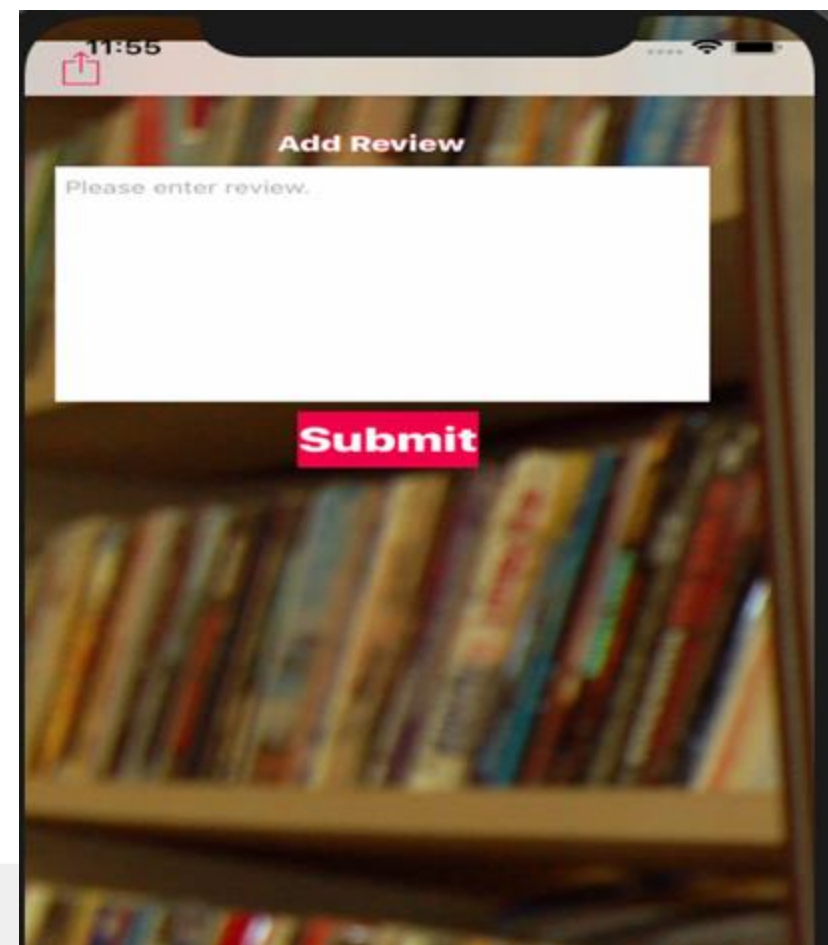
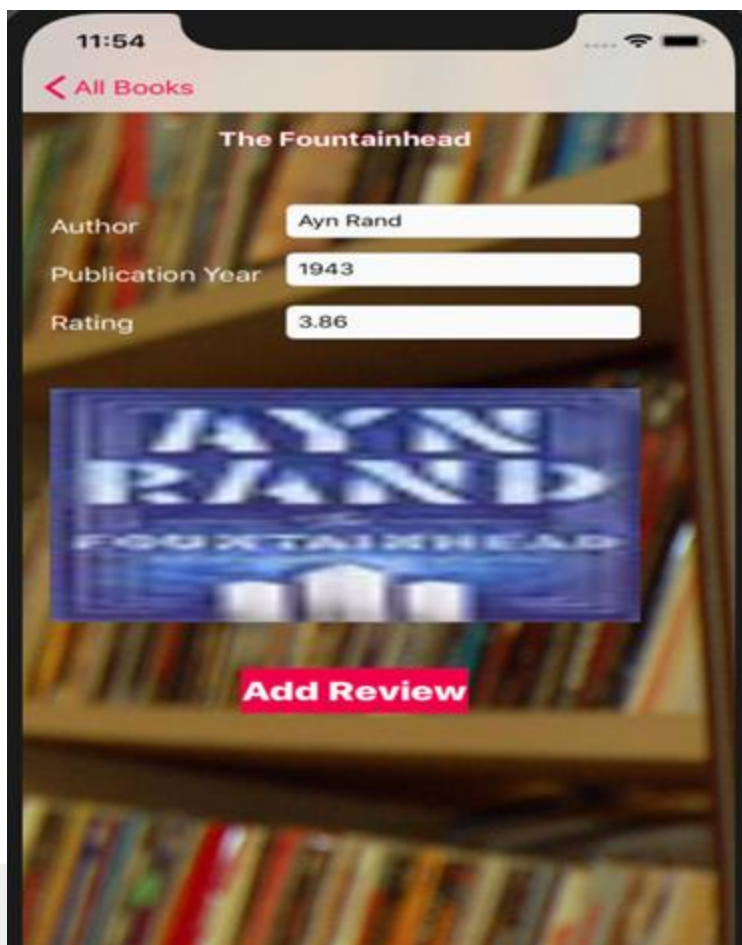
Home page with search box and search bar. Search result page on searching





# Book Page

Book info page. User can go to add review page and add the review



# User Detail

User detail page to view user's information and all the reviews done by them





# Thank You

