Project 4 Task 2
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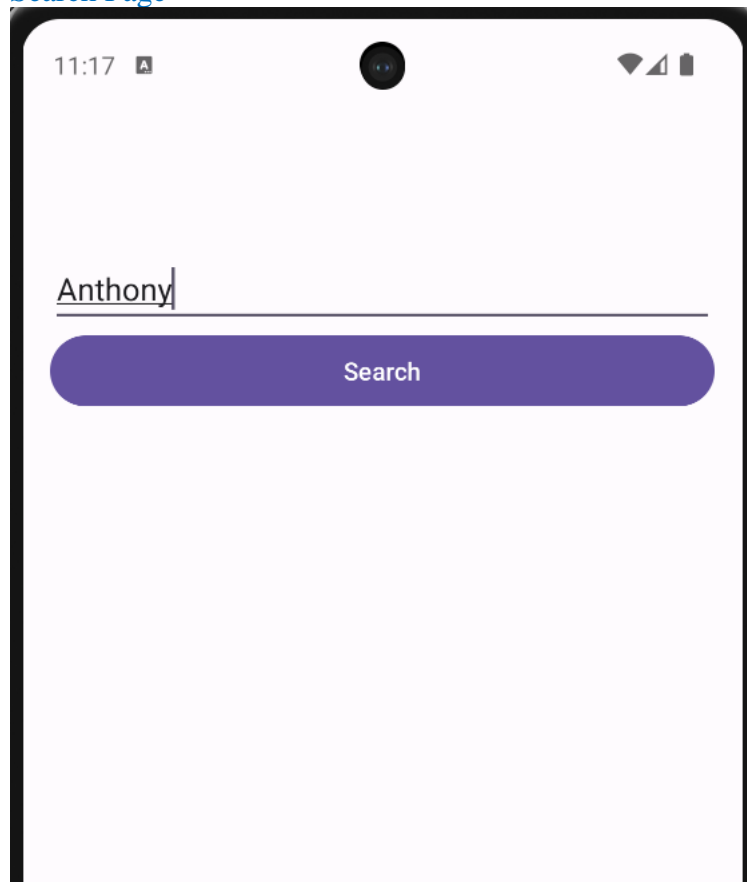
Description

My application takes a search name from users and uses it to fetch information from NBA API to display the players contains the search name. Then the screen will display the NBA players that has the search term as either first name of last name. Users can add the player to the favorite list. After added into their favorite player list, the screen will show every player that is in the favorite list. Then the user can go back to the search page to search another player
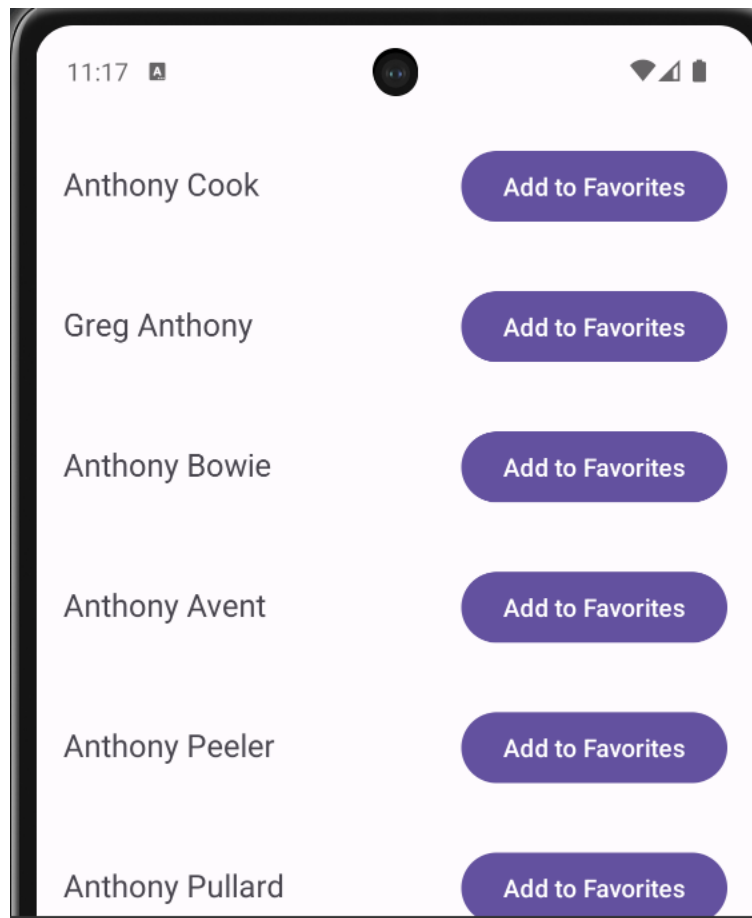
Here is how my application meets the task requirements
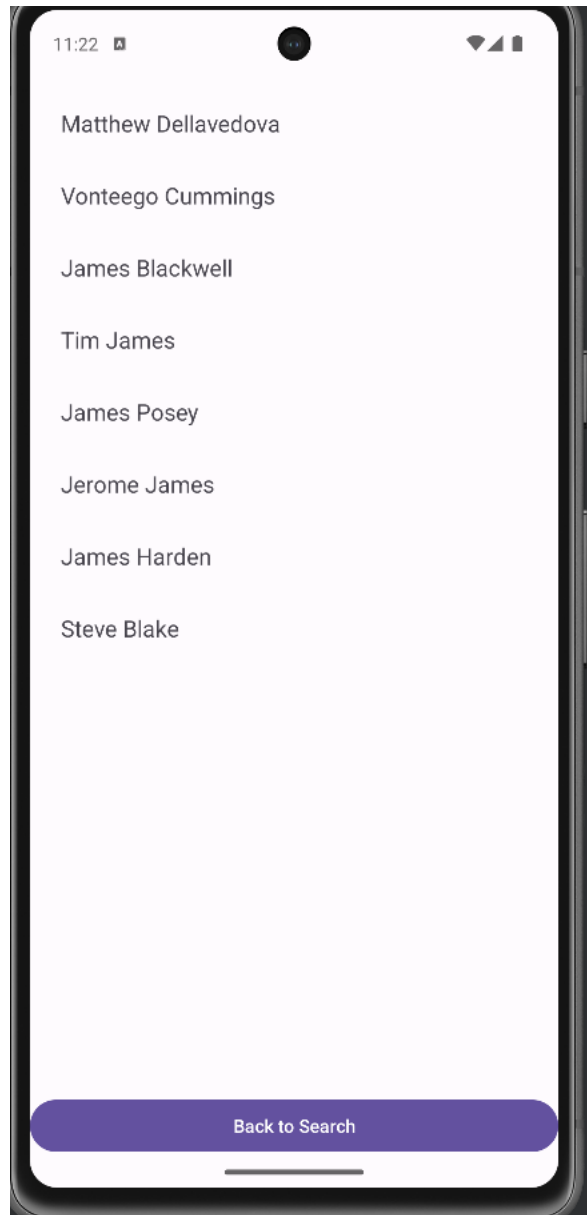
1. **Implement a native Android application**
   a. 3 different kinds of Views in your Layout
      Search Page

      Searched Player Display Page

Anthony Cook   Add to Favorites

Greg Anthony   Add to Favorites

Anthony Bowie   Add to Favorites

Anthony Avent   Add to Favorites

Anthony Peeler   Add to Favorites

Anthony Pullard   Add to Favorites

All Favorite Page

b. Requires input from the user
   Requires users to input a search term to find NBA players.
c. Makes an HTTP request (using an appropriate HTTP method) to your web service
   The app makes HTTP requests to fetch favorite NBA players' details.
d. Receives and parses an XML or JSON formatted reply from your web service
   Parses JSON responses from the web service to display player information.
e. Displays new information to the use

   Shows updated player information based on user searches and favorites.
f. Is repeatable (I.e. the user can repeatedly reuse the application without restarting
   it.)
   Allows users to search for new players and revisit their favorites without
   restarting the app.

2. **Implement a web service**

   a. Implement a simple (can be a single path) API

      Features an NBA player search API.

   b. Receives an HTTP request from the native Android application

      Receives requests from the Android app.

   c. Executes business logic appropriate to your application. This includes fetching XML or JSON information from some 3rd party API and processing the response.

      Fetches and processes JSON/XML data from a third-party NBA API.

   d. Replies to the Android application with an XML or JSON formatted response. The schema of the response can be of your own design

      Sends back well-structured responses to the Android application.

3. **Log useful information**

4. **Store the log information in a database**

5. **Display operations analytics and full logs on a web-based dashboard**

   a. A unique URL addresses a web interface dashboard for the web service.
   b. The dashboard displays at least 3 interesting operations analytics.
   c. The dashboard displays formatted full logs.

6. **Deploy the web service to GitHub Codespaces**

https://github.com/lianzeng728/Pro4Task2