

Recipe App

Creating a full recipe application with all the specified fragments and functionalities.

1. Create the Fragments:

- Create a SplashFragment, LoginFragment, RegisterFragment, HomeFragment, FavoriteFragment, SearchFragment, and RecipeDetailFragment.

- Each fragment should have its XML layout files.

2. Create the Activities:

- Create a AuthActivity to show splash, login and register fragments.

- Create a RecipeActivity to show the remaining fragments.

3. Implement Fragment Navigation:

- Use a navigation library like `Navigation Component` or handle fragment transactions manually to navigate between fragments.

4. Implement the Database:

- Set up a local database (e.g., SQLite) to store the user's favorite recipes.

- Define a database schema and create classes to handle database operations.

5. Splash Screen:

- Show the splash screen for a few seconds (you can Lottie library).

6. Login and Register Screens:

- Implement user authentication and registration logic.

- Store user data securely (e.g., using Room).

7. Home Fragment:

- Show a list of recipes.

- Populate the list using data fetched from an API.

<https://www.themealdb.com/api.php>

- Allow clicking on a recipe item to navigate to the RecipeDetailFragment.

8. Recipe Detail Fragment:

- Show the image, title, and brief details of the recipe.

- Provide a button to expand and show the complete recipe details.

- Implement logic to save a recipe as a favorite.

9. YouTube-Like Video Window:

- Implement a custom view or use a library to create a small video player view that overlays on the fragment when a recipe's video button is clicked.

10. Favorite Fragment:

- Display a list of the user's favorite recipes.
- Allow users to remove recipes from their favorites list.

11. Search Fragment:

- Implement a search bar where users can type a recipe name or keyword.
- Display a list of recipes matching the search query.
- Allow clicking on a search result to navigate to the RecipeDetailFragment.

12. Option Menu:

- Create an options menu with two items: "Sign Out" and "About the Creator."
- Implement the functionality to handle clicks on these menu items.

13. About Fragment:

- Create an AboutFragment that displays information about the creator and a synopsis of the application.

Desired Behavior: User Navigation and Bottom Navigation

- User should not be able to navigate back to the login or register screens after logging in.
- Upon logging in for the first time, the user should directly land on the Home Fragment without signing out.
- Implement a Splash Screen that checks the user's login status using Shared Preferences:
 - If the user has logged in before, navigate directly to the Home Fragment.
 - If the user hasn't logged in before, show the Login/Register screen.
- Use Shared Preferences or a similar mechanism to store a flag indicating whether the user has logged in before or not.
- After successful login or registration, set the isLoggedIn flag to true in the Shared Preferences to keep track of the user's login status.
- Use a Bottom Navigation component in the Recipe Activity to allow easy navigation between
- The Bottom Navigation will enable users to switch between different fragments smoothly and intuitively.