

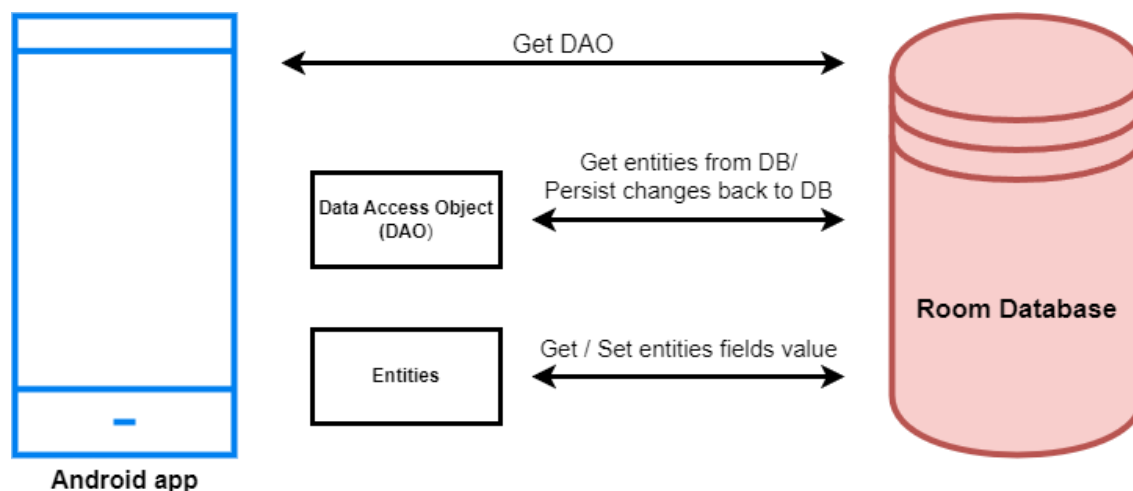


**Wanderlust: A Personalized Travel Planning and
Tracking App
Project Based Experiential Learning Program**

Wanderlust: A Personalized Travel Planning and Tracking App

A project built using the Android Compose UI toolkit. It demonstrates how to create a simple travel app using the Compose libraries. It also features a personalized feed of recommended accommodations based on the locations.

Architecture



Learning Outcomes :

By end of this project:

- You'll be able to work on Android studio and build an app.
- You'll be able to integrate the database accordingly.

Project Workflow:

- Users register into the application.
- After registration , user logins into the application.
- User enters into the main page

Tasks:

- 1.Required initial steps
- 2.Creating a new project.
- 3.Adding required dependencies.
- 4.Creating the database classes.

5. Building application UI and connecting to database.
6. Using AndroidManifest.xml
7. Running the application.

Task 1:

Required initial steps :

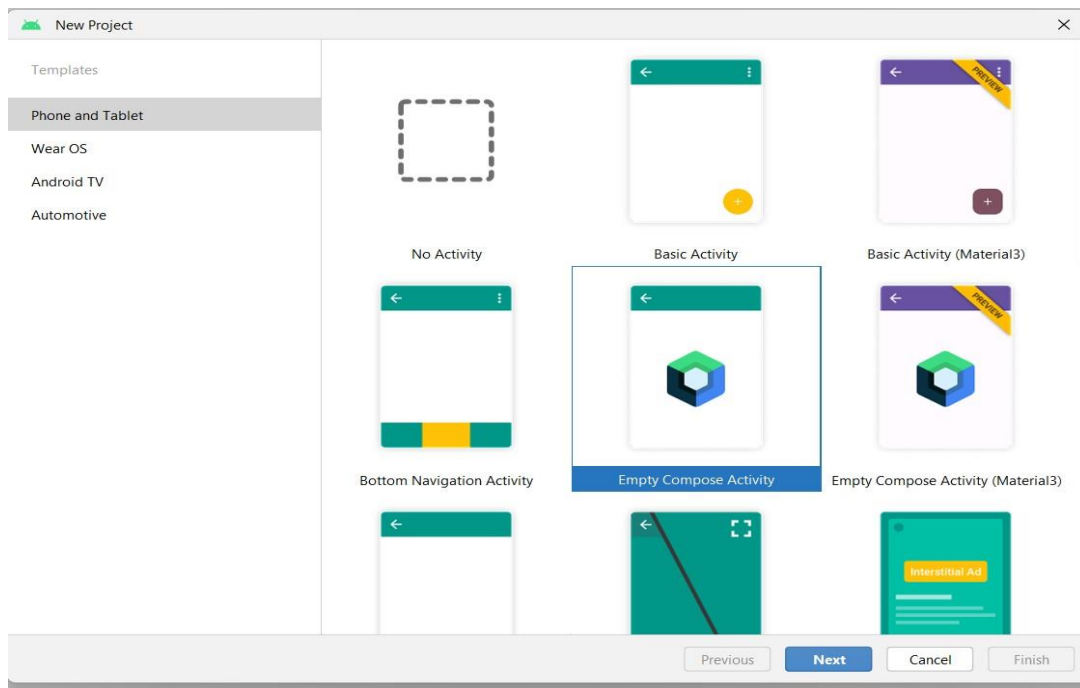
<https://developer.android.com/studio/install>

Task 2 :

Creating a new project.

Step 1 : Android studio > File > New > New Project > Empty Compose Activity

Step 2 : Click on **Next** button.

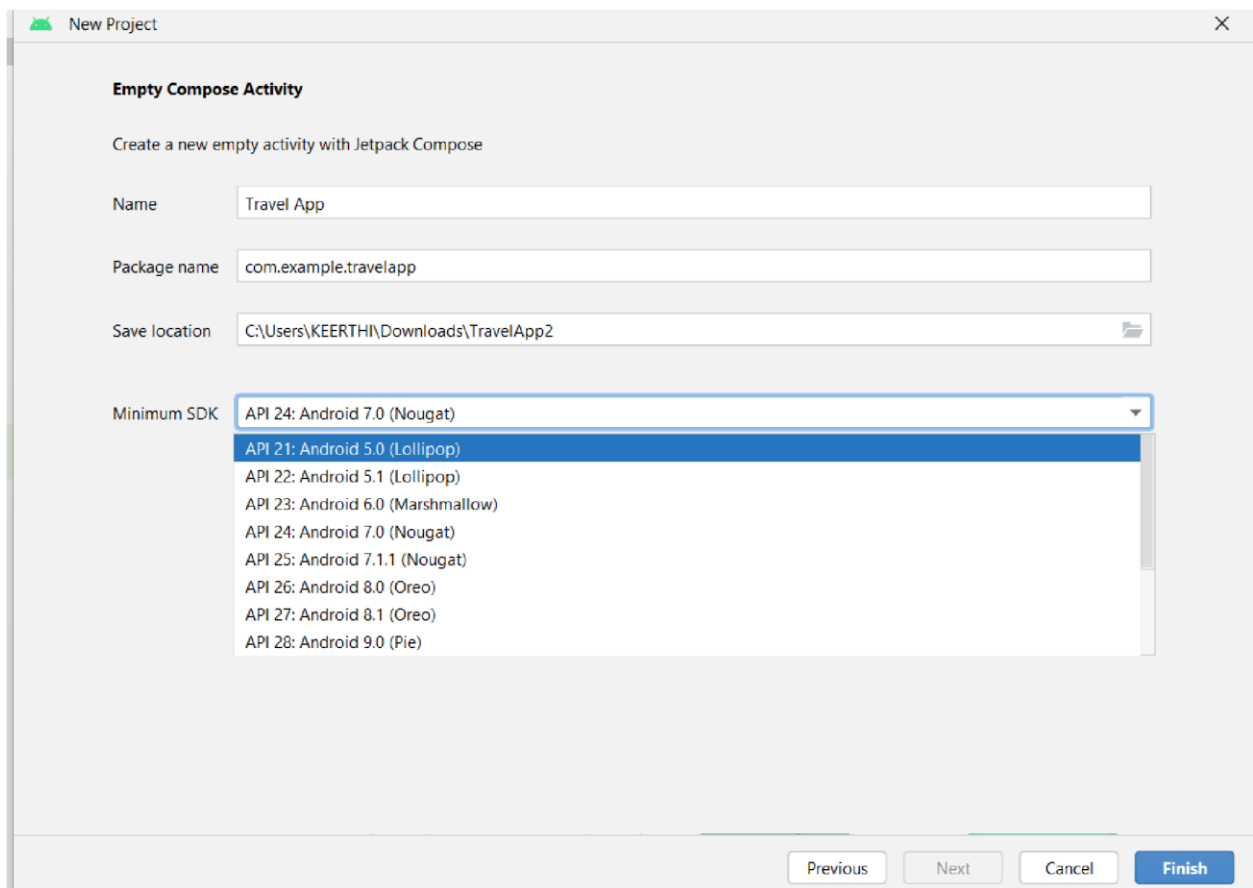


Step 3 :

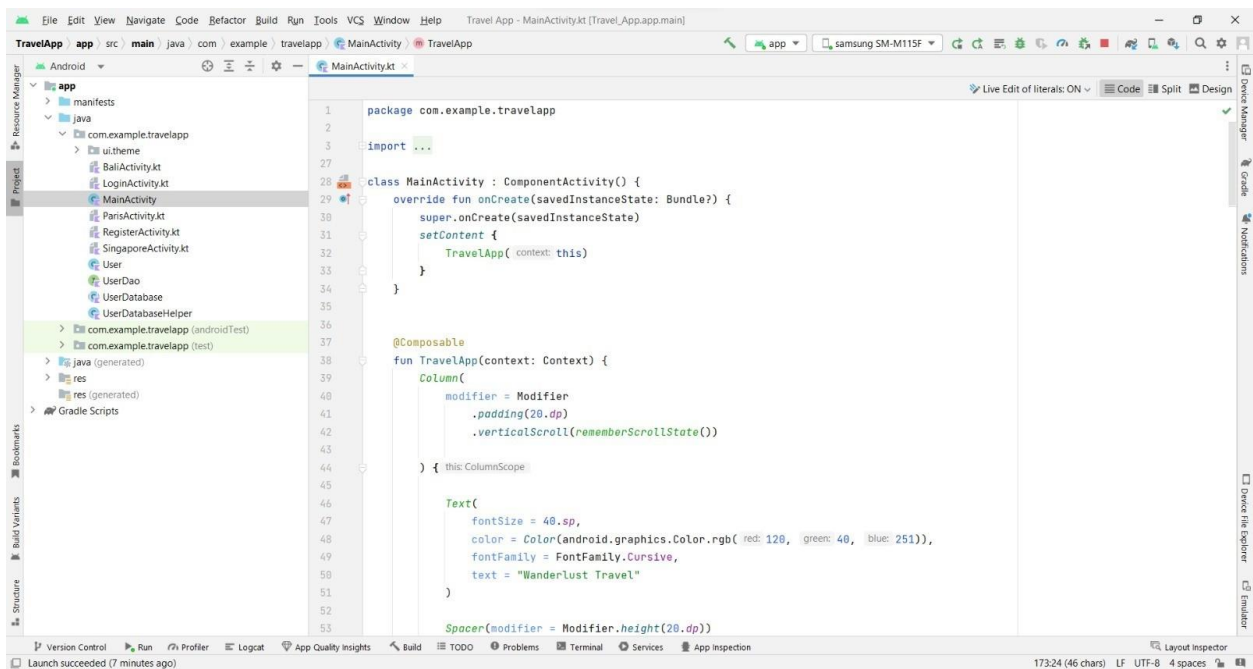
Give name to the new project.

Step 4 : Give the Minimum SDK value

Step 5 : Click Finish



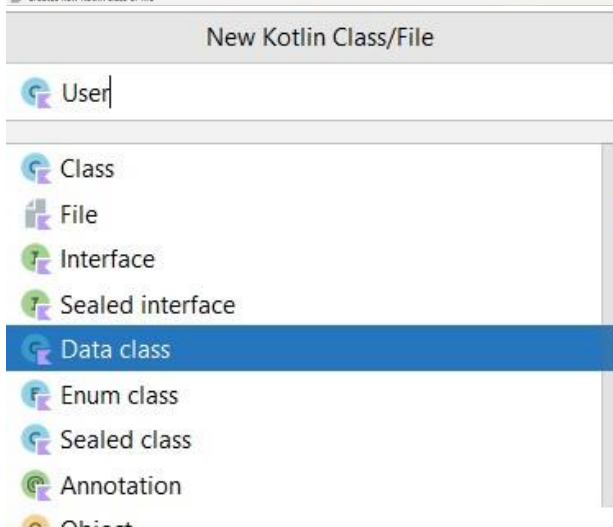
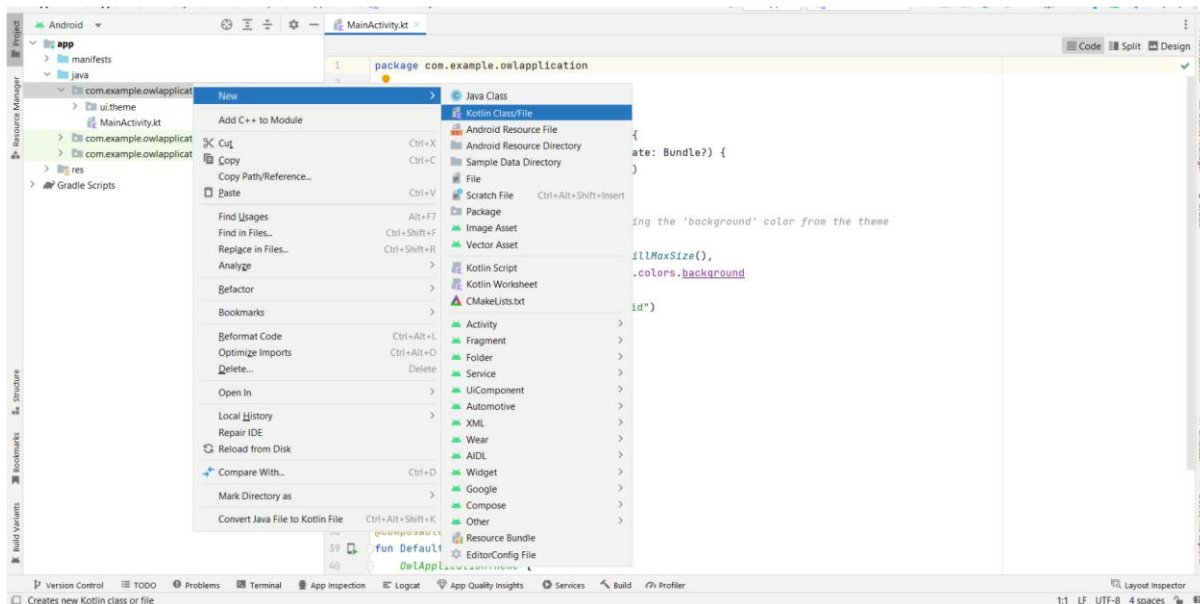
Main activity file



Task 3 :

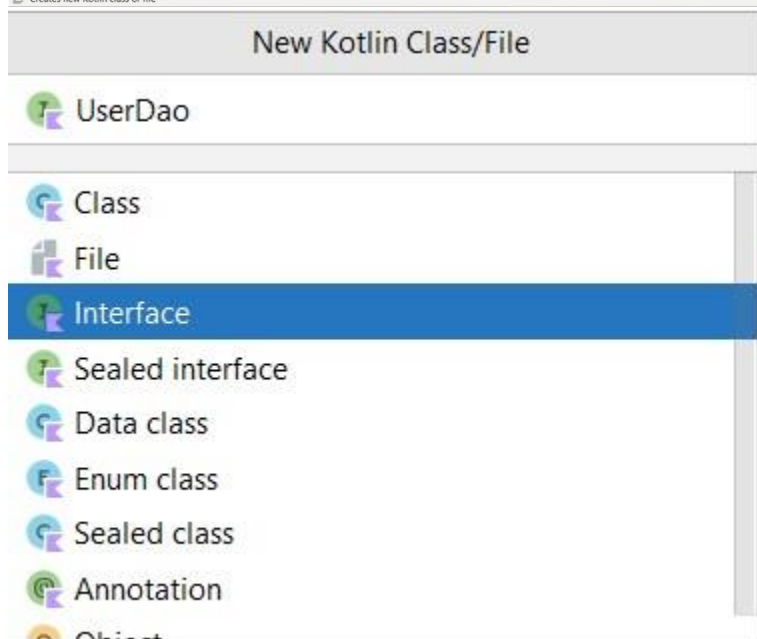
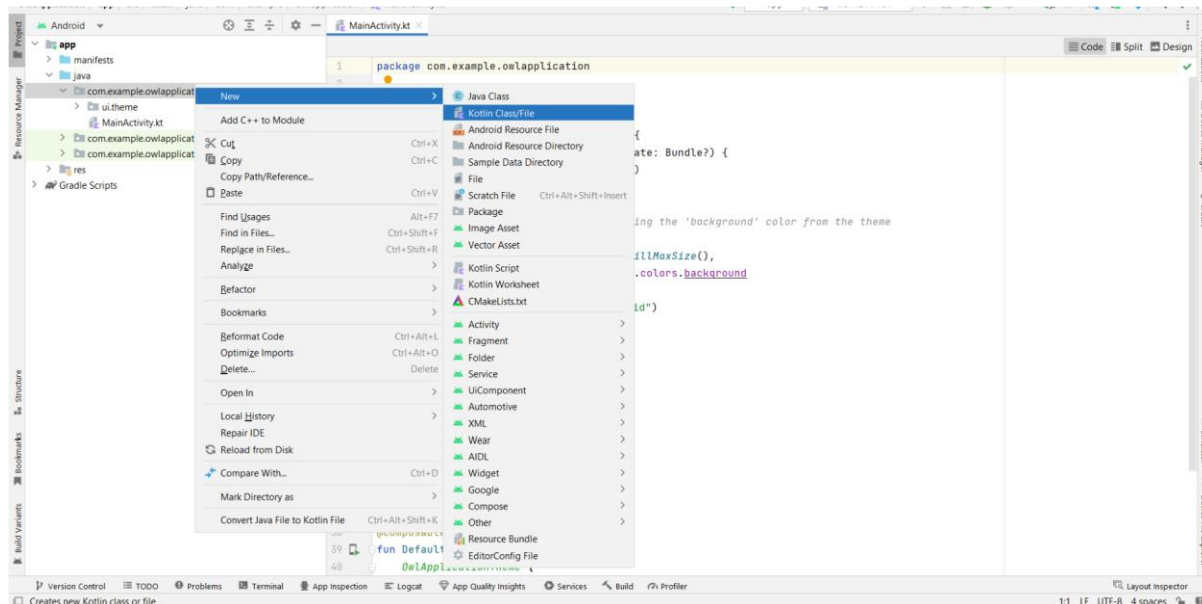
Adding required dependencies.

Step 1 : Gradle scripts > build.gradle(Module :app)



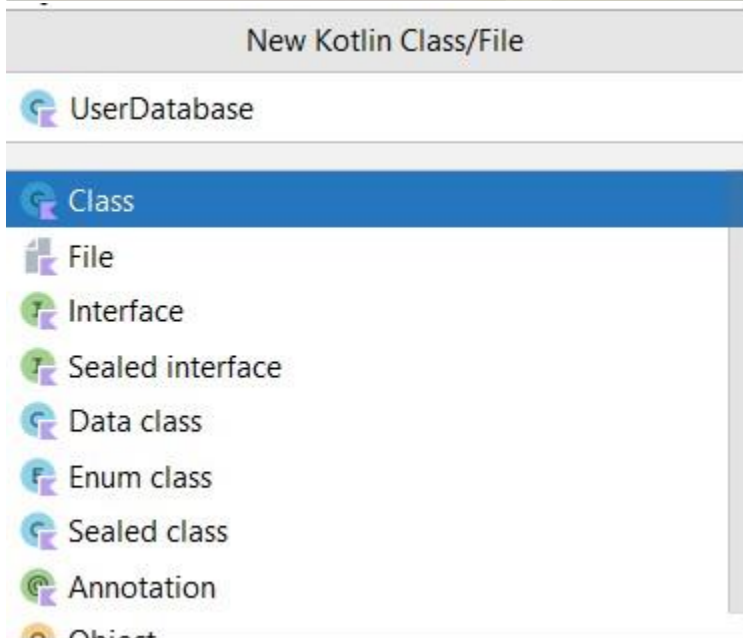
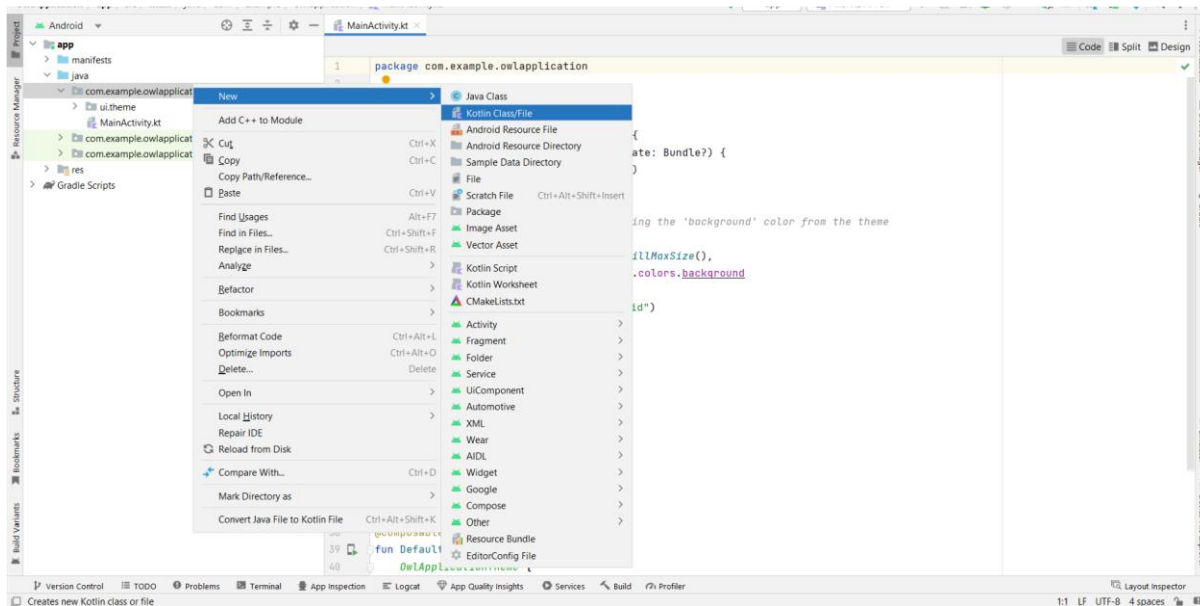
User data class code: <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/User.kt>

Step 2 : Create an UserDao interface



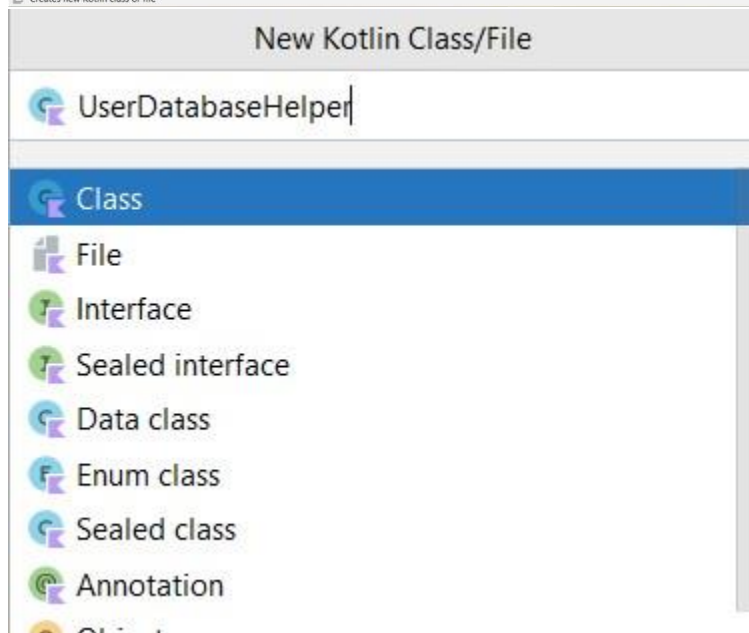
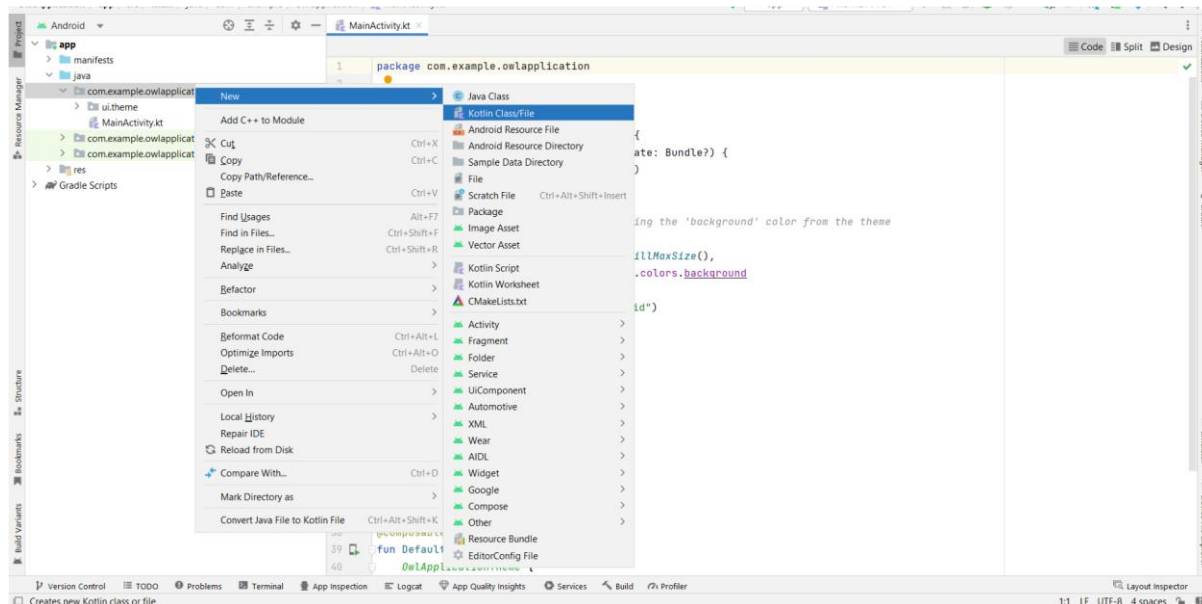
UserDao interface code : <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/UserDao.kt>

Step 3 : Create an UserDatabase class



UserDatabase class code : <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/UserDatabase.kt>

Step 4 : Create an UserDatabaseHelper class

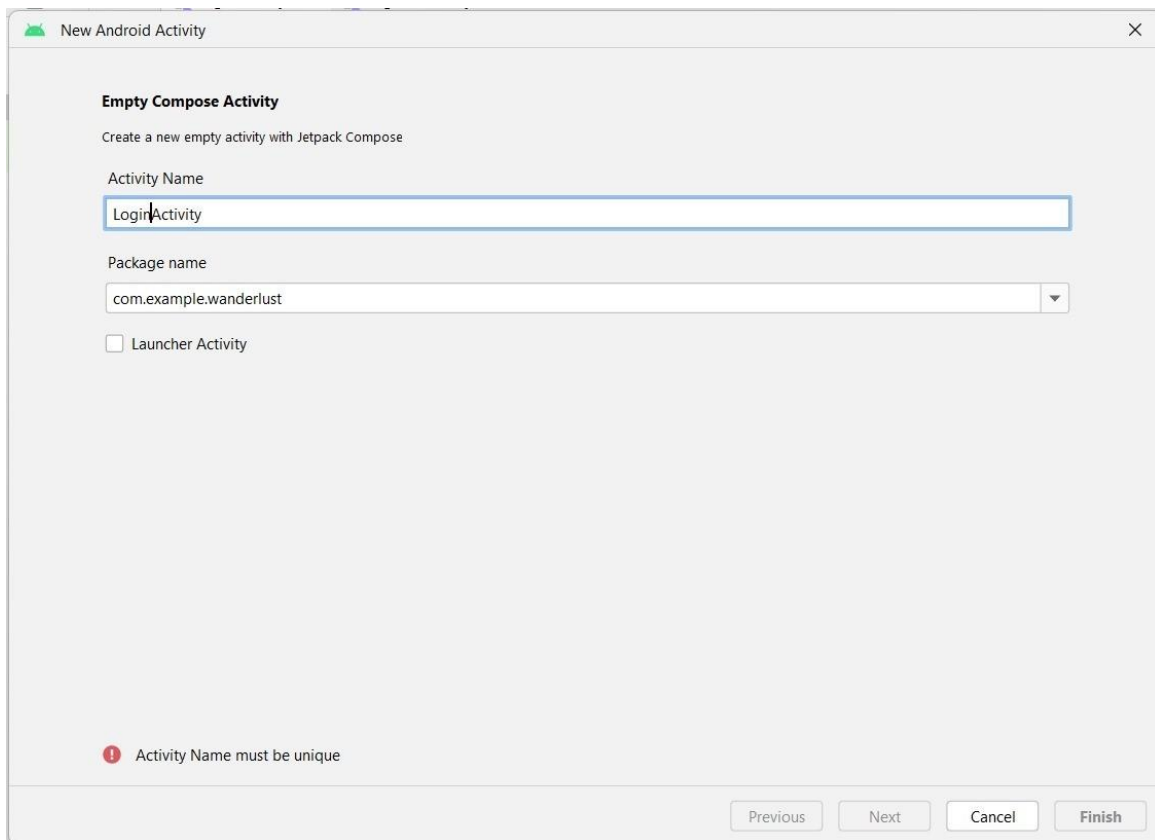
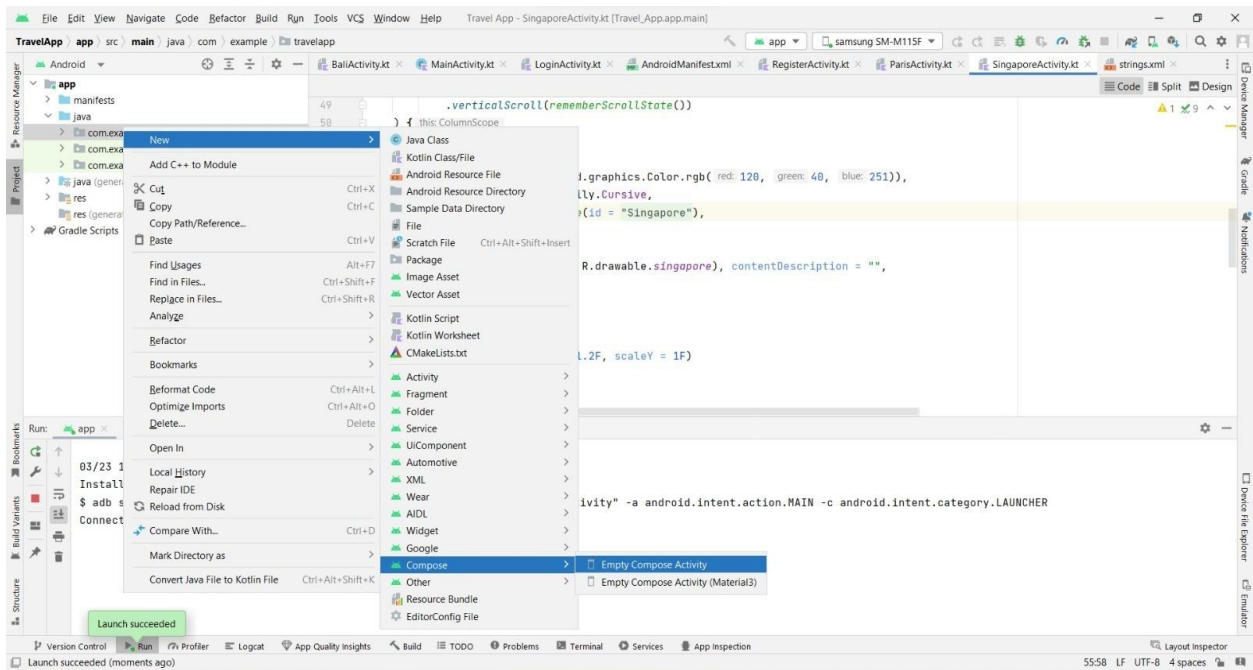


UserDatabaseHelper class code : <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/UserDatabaseHelper.kt>

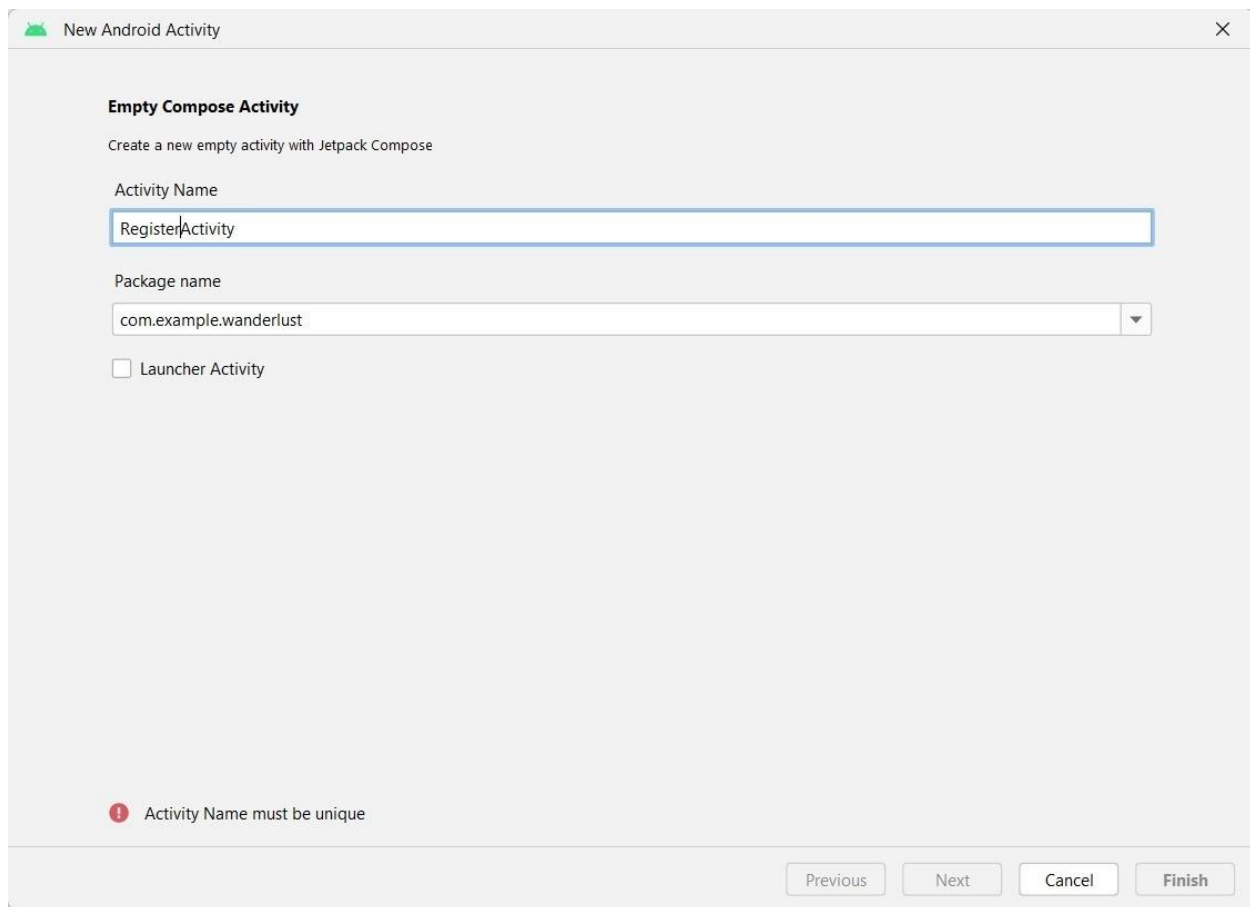
Task 5:

Building application UI and connecting to database.

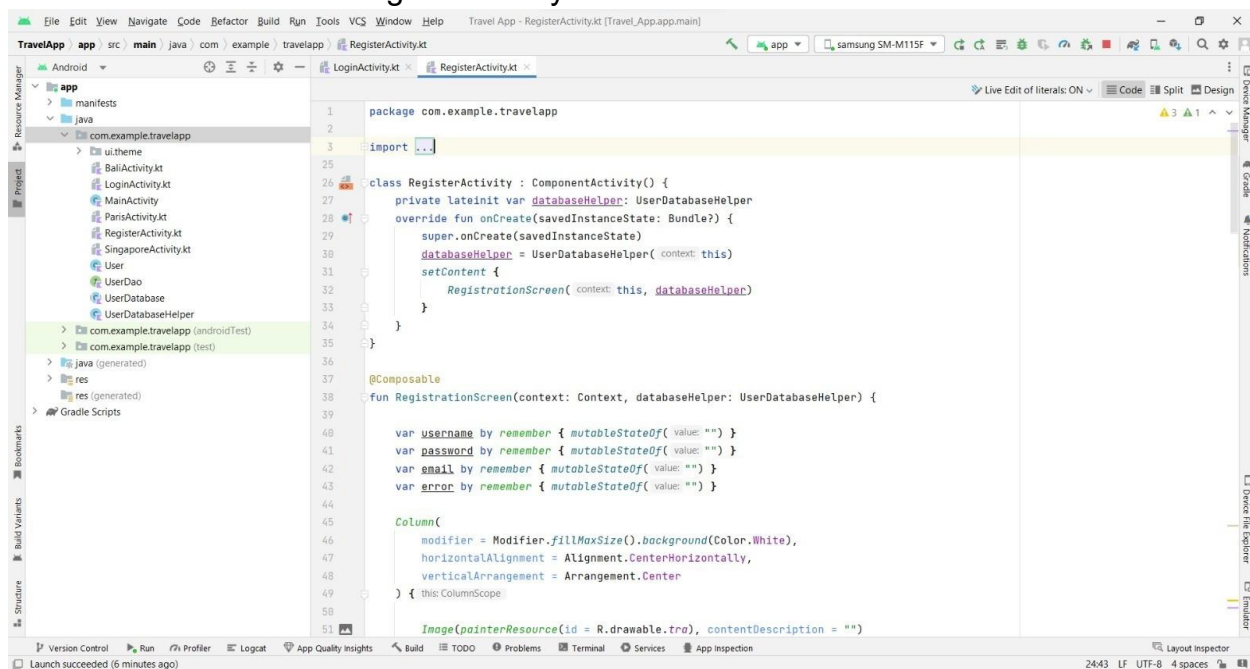
Step 1: Creating LoginActivity.kt with database



Database connection in LoginActivity.kt



Database connection in RegisterActivity.kt

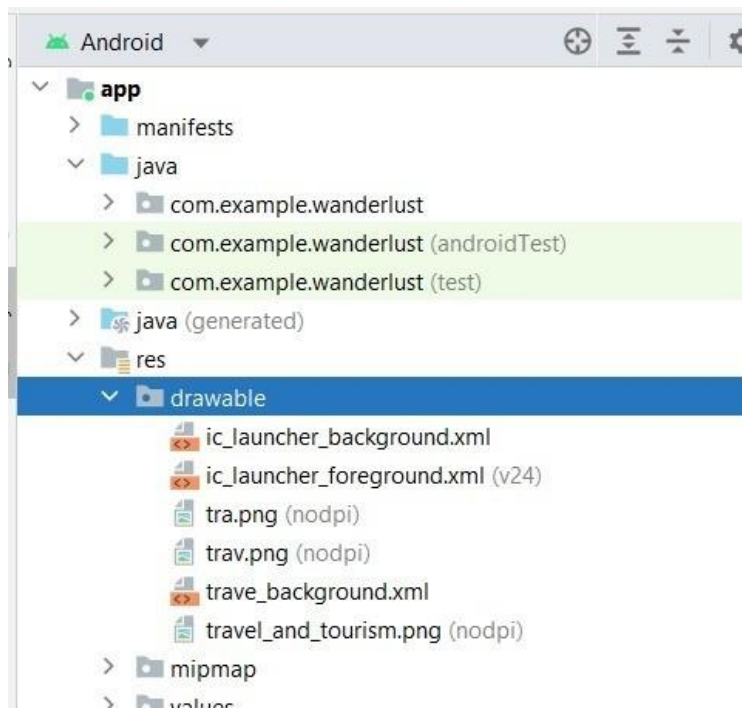
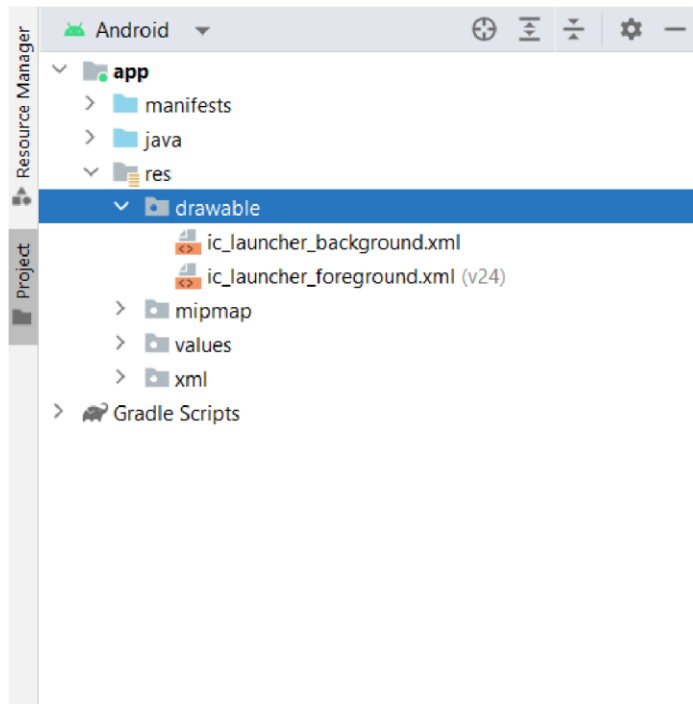


Complete code in below link: <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/RegisterActivity.kt>

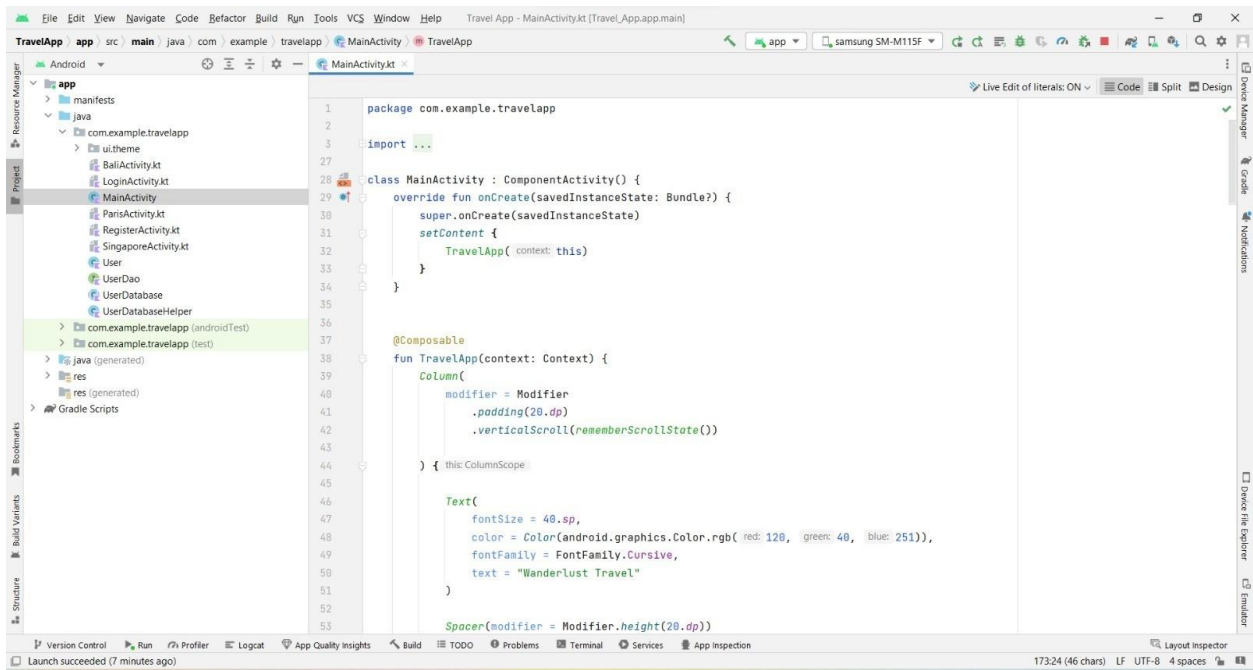
Step 3 : Creating MainActivity.kt file

In MainActivity.kt file the main application is developed

- Before creating UI we need to add some images in drawables which are in res

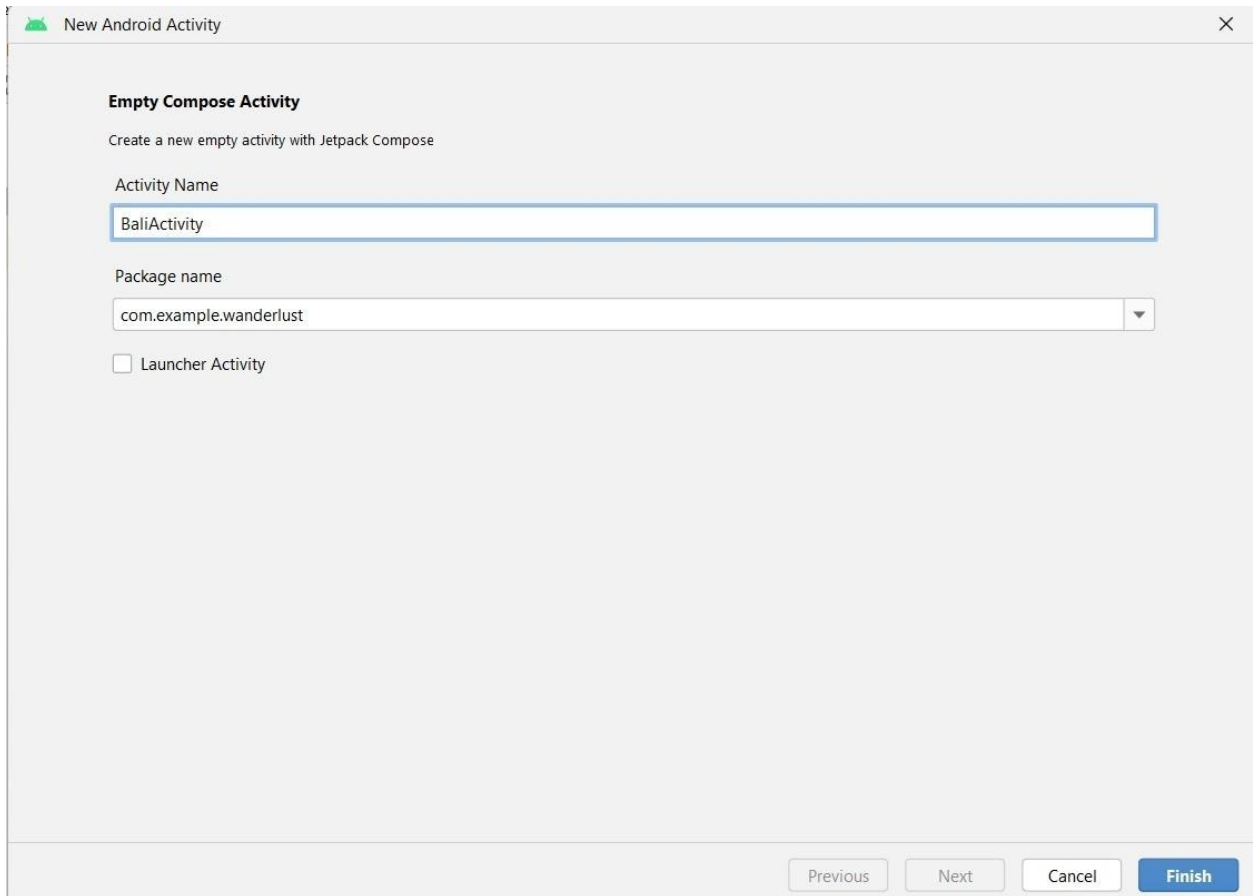
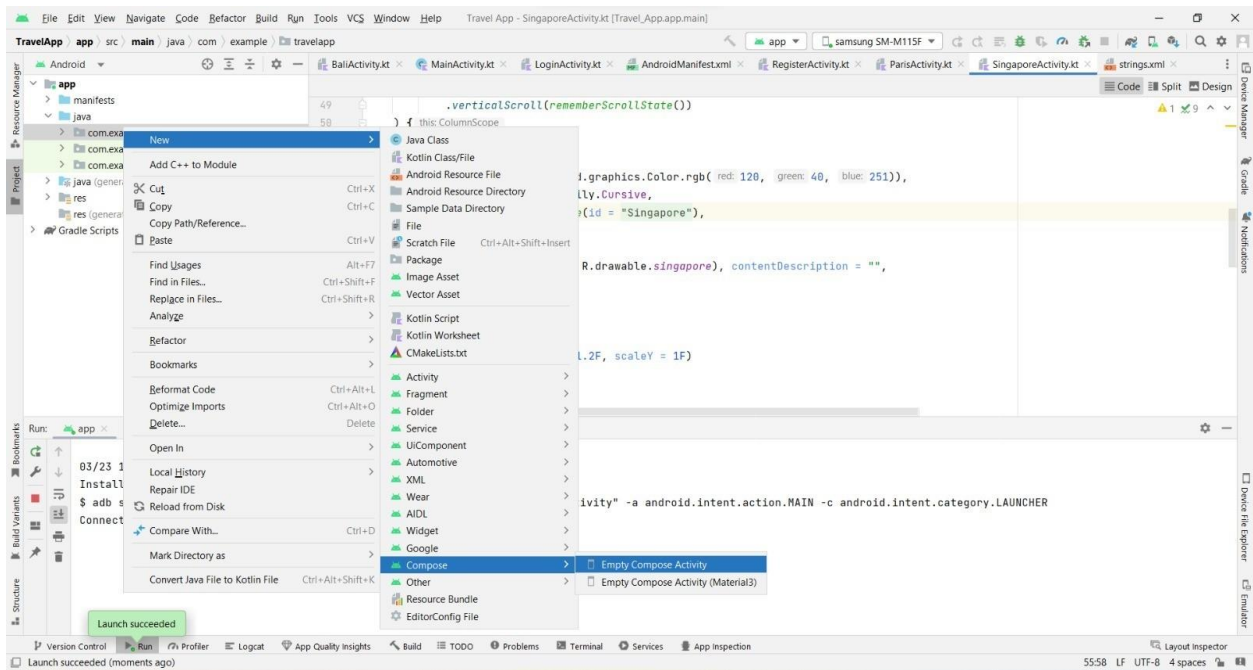


MainActivity.kt

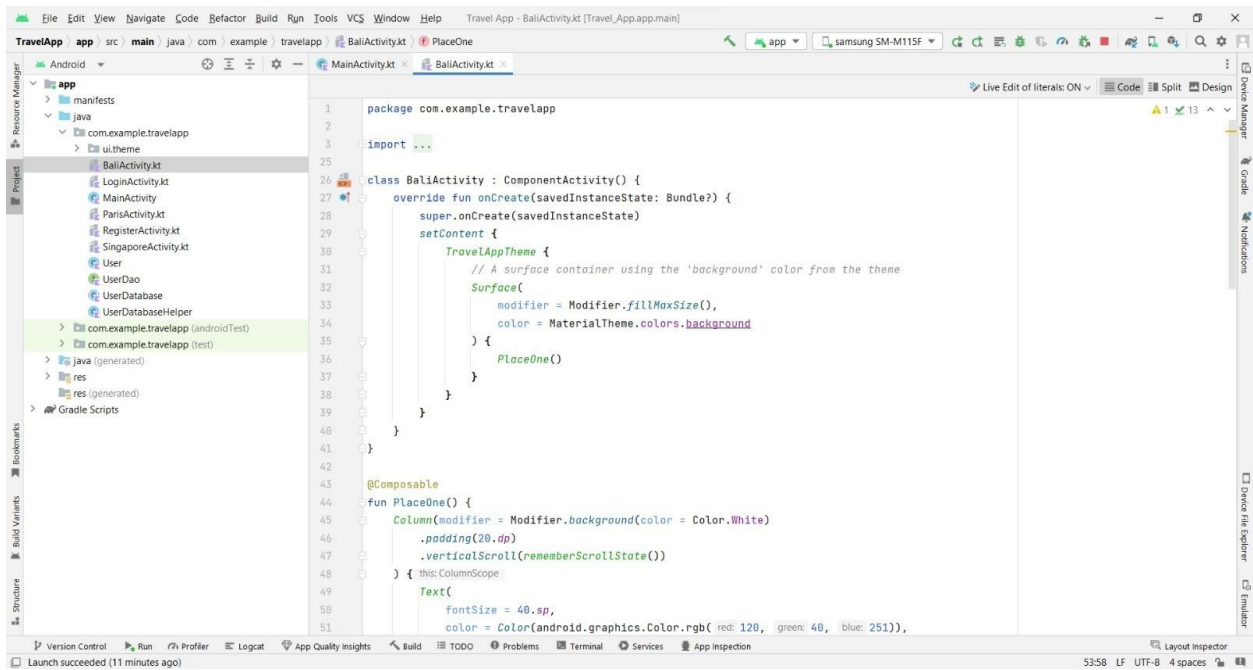


Complete code in below link: <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/MainActivity.kt>

Step 4 : Creating BaliActivity.kt file

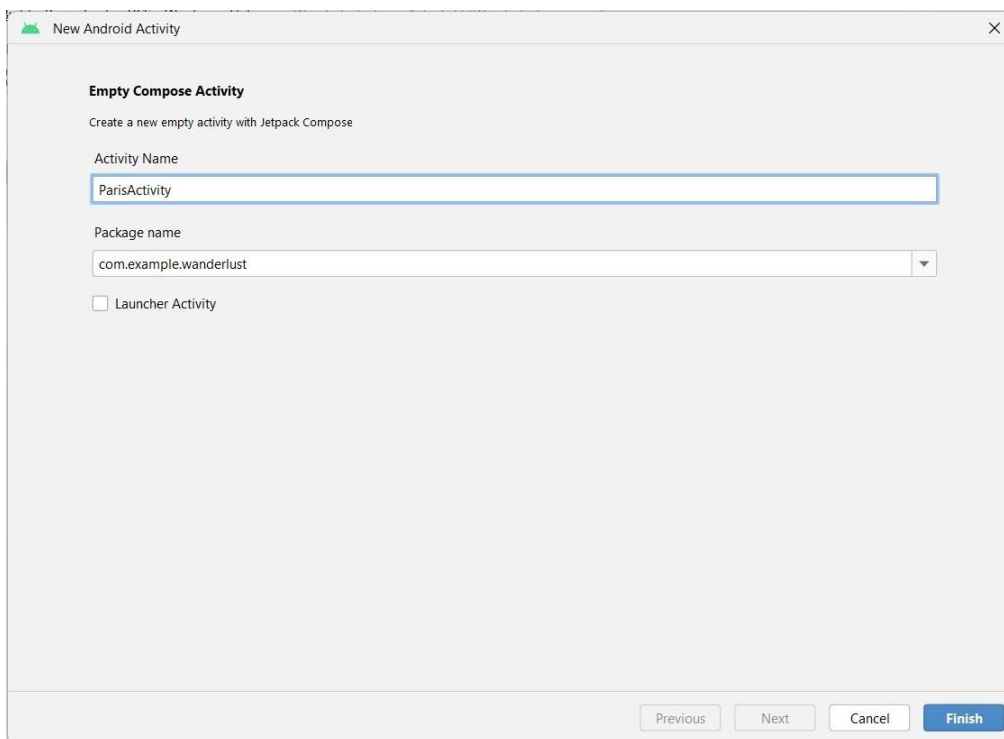


BaliActivity.kt

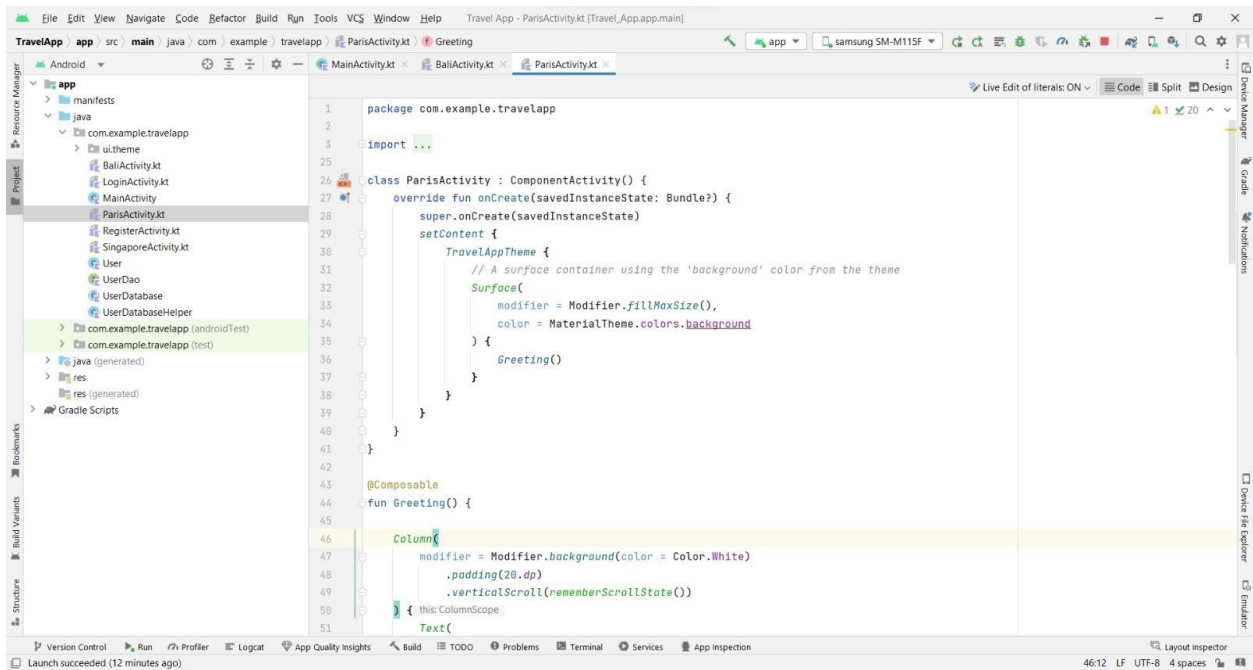


Complete code in below link: <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/BaliActivity.kt>

Step 5 : Creating ParisActivity.kt file

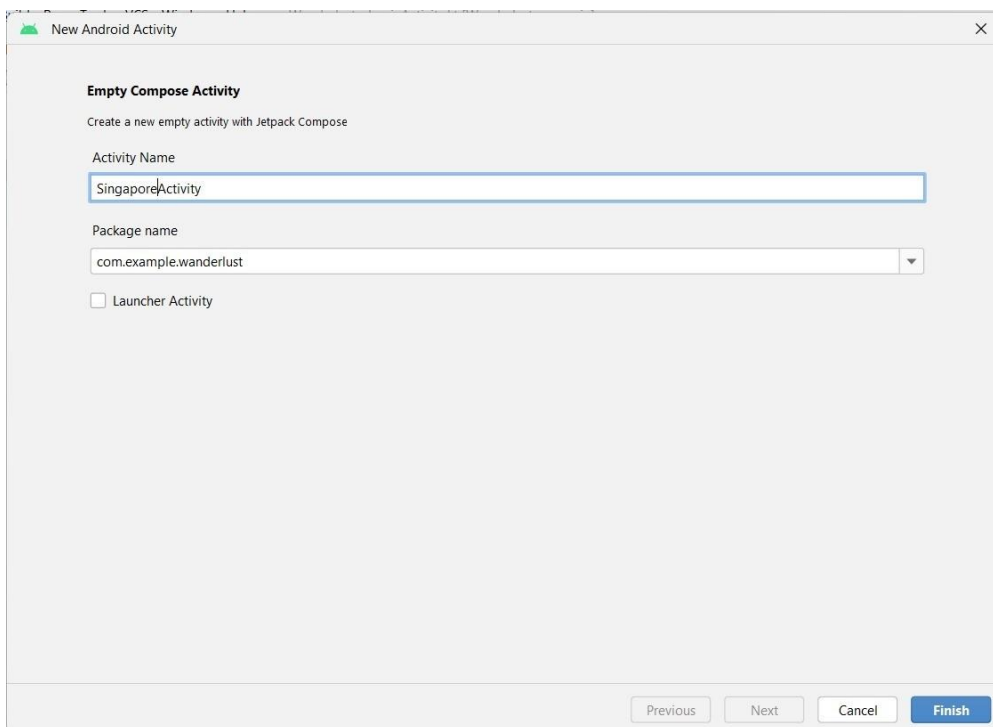


ParisActivity.kt file

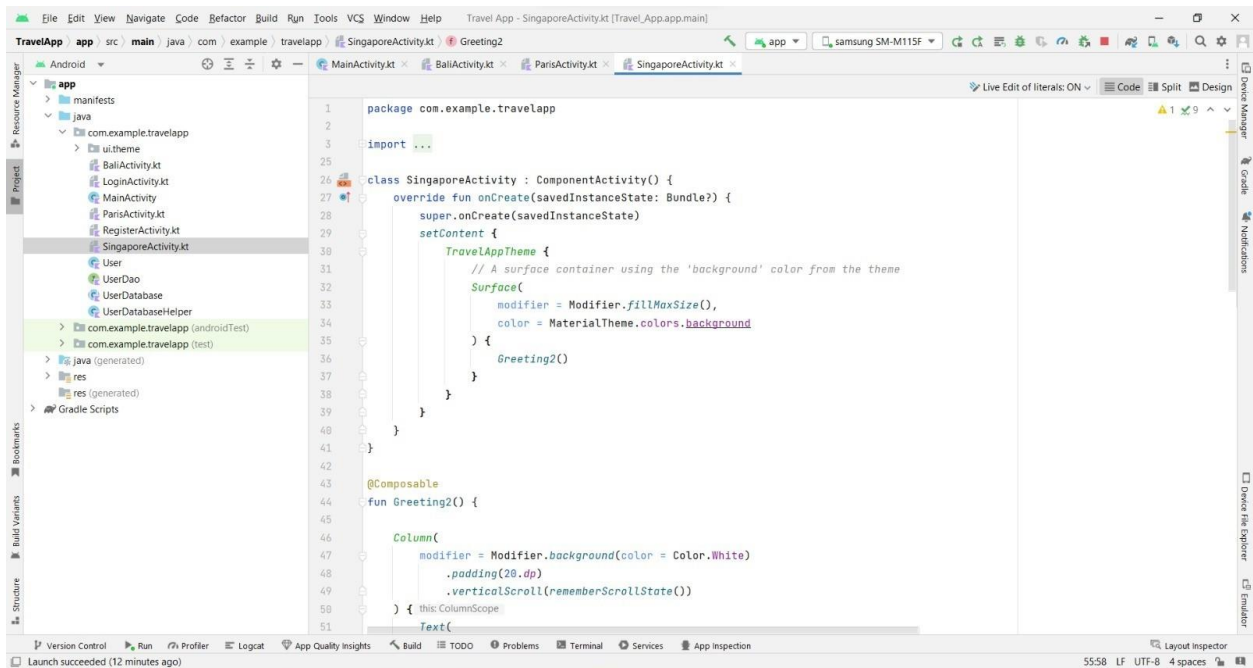


Complete code in below link: <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/ParisActivity.kt>

Step 6 : Creating SingaporeActivity.kt file



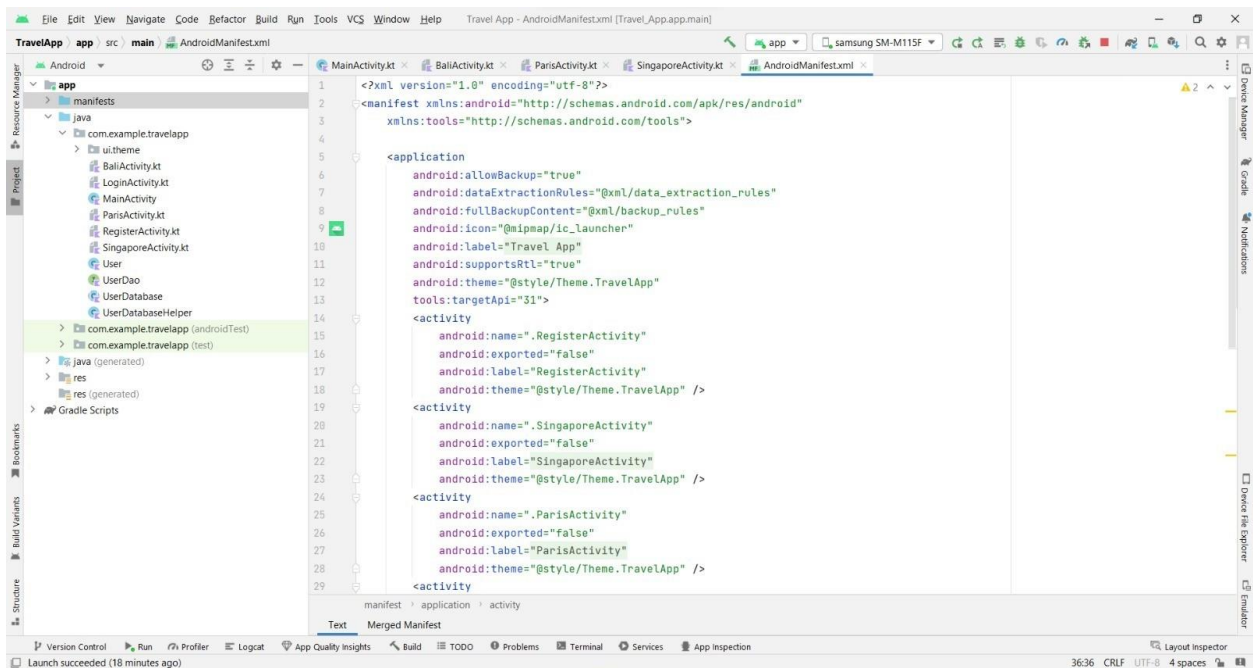
SingaporeActivity.kt file



Complete code in below link: <https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/SingaporeActivity.kt>

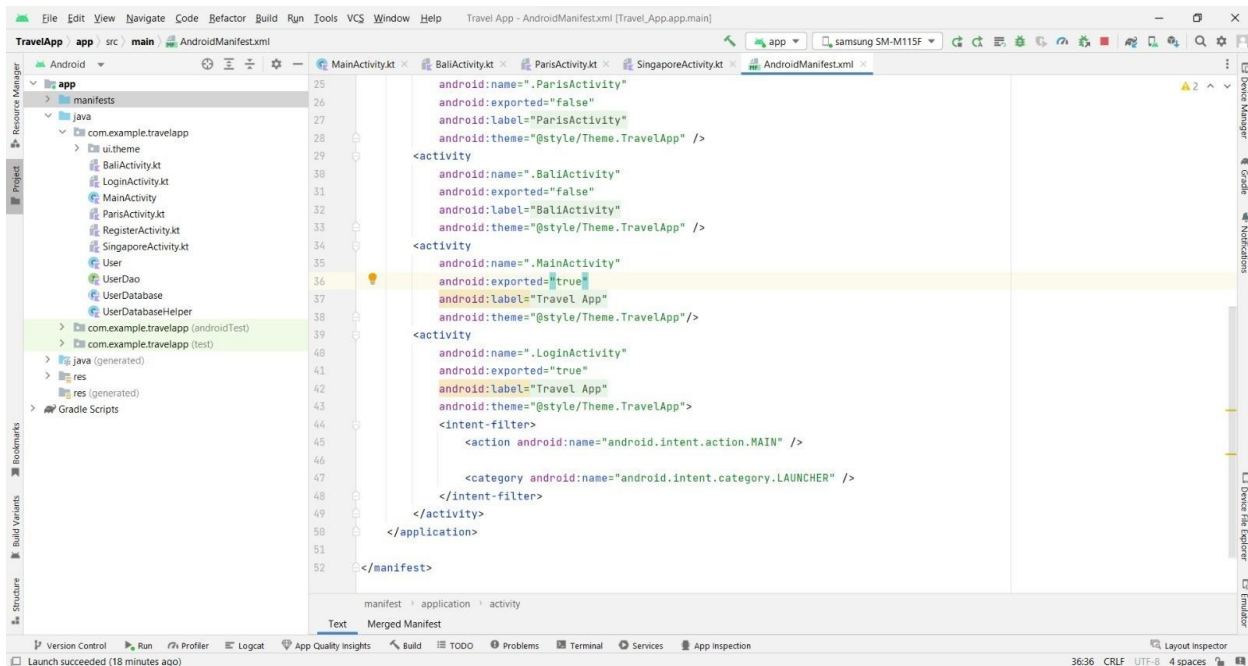
Task 6:

Modifying AndroidManifest.xml



When we run the app we will get the MainActivity.kt file as our first screen , but we want LoginActivity.kt , So we need to change in AndroidManifest.xml.

Changed AndroidManifest.xml



Complete AndroidManifest.xml code:<https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App/blob/main/Project%20Files/AndroidManifest.xml>

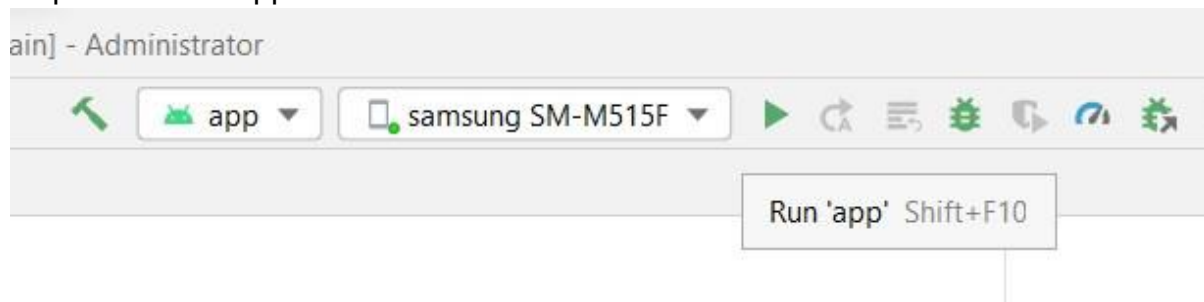
Task 7:

Running the application.

Step 1: Run apps on a hardware device

<https://developer.android.com/studio/run/device>

Step 2: Run the application in Mobile



Complete Project Link:

Final Output of the Application :

<https://github.com/Poornima9n/Wanderlust-A-Personalized-Travel-Planning-and-Tracking-App>

Login Page :



Register

Username
poornima

Email
poori@123

Password

Register

Have an account? [Log in](#)



Login

Username
poornima

Password

Login

[Register](#)

[Forget password?](#)



Login

Username
Poornima

Password

Successfully log in

Login

[Register](#)

[Forget password?](#)

Wanderlust Travel



Bali

Super saver pack with less than \$10000
7days/2persons



Paris

Super saver pack with less than \$10000
7days/2persons



Singapore

Paris



Day 1: Arrival and Introduction

Check into your accommodation and freshen up

Take a stroll around the neighborhood to get acquainted

Visit the Eiffel Tower, preferably in the evening when it is lit up

Have a relaxing dinner at a nearby restaurant

Day 2: Art and History

Visit the Louvre Museum to see some of the world's most famous art pieces

Stroll through the Tuileries Garden and the Place de la Concorde

Visit the Orsay Museum, which houses a large collection of impressionist art

Have dinner at a local French restaurant

Day 3: French Culture and Food

Visit the Montmartre neighborhood to see the famous Basilique du Sacré-Cœur and Place du Tertre

Explore the historic neighborhood of Le

Bali



Day 1: Arrival and Relaxation

Arrive in Bali and check into your hotel or accommodation.

Spend the day relaxing and getting acclimated to the island.

If you have time, explore the nearby area or head to the beach.

Day 2: Ubud Tour

Start your day early and head to Ubud, a cultural and artistic hub in Bali.

Visit the Monkey Forest and the Ubud Palace.

Take a tour of the Tegalalang Rice Terrace, a beautiful UNESCO World Heritage Site.

End your day with a traditional Balinese dance performance.

Day 3: Temple Hopping

Visit some of Bali's most famous temples, such as Tanah Lot and Uluwatu.

Take in the stunning views of the ocean and cliffs.

Enjoy a sunset dinner at one of the many restaurants near the temples.

Singapore



Day 1:

Morning: Visit Gardens by the Bay and marvel at the Supertree Grove and the Flower Dome and Cloud Forest conservatories.

Afternoon: Explore the Marina Bay Sands complex, which includes a casino, luxury shopping mall, and observation deck with a stunning view of the city.

Day 2:

Morning: Explore the historic district of Chinatown, including the Buddha Tooth Relic Temple and Museum and the Sri Mariamman Temple.

Afternoon: Visit the nearby Clarke Quay for lunch and to explore its waterfront restaurants, bars, and shops.

Day 3:

Morning: Take a tour of the UNESCO-listed Botanic Gardens, one of the world's most famous and significant tropical gardens.

Afternoon: Head over to the National

PROJECT - **T**_(TRAVEL APP) DESIGNED
BY GIETIANS

