

How to Use this Template

1. Make a copy [File → Make a copy...]
2. Rename this file: **"Capstone_Stage1"**
3. Replace the text in green

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it **"Capstone Project"**
3. Add this document to your repo. Make sure it's named **"Capstone_Stage1.pdf"**

[Description](#)

[Intended User](#)

[Features](#)

[User Interface Mocks](#)

[Screen 1](#)

[Screen 2](#)

[Key Considerations](#)

[How will your app handle data persistence?](#)

[Describe any corner cases in the UX.](#)

[Describe any libraries you'll be using and share your reasoning for including them.](#)

[Next Steps: Required Tasks](#)

[Task 1: Project Setup](#)

[Task 2: Implement UI for Each Activity and Fragment](#)

[Task 3: Your Next Task](#)

[Task 4: Your Next Task](#)

[Task 5: Your Next Task](#)

GitHub Username: Your GitHub username here

TRAVEL'S

Description

Travel's gives you the best hotel available in a specific area. Choose from the best hotels and get the description and prices to see if the hotel is a fit for you. Read reviews from verified people who stayed there to see if it's really worth it. Pictures of the hotel are also available. Get deals from hotels in the area and save the hotels you would like to review later

Intended User

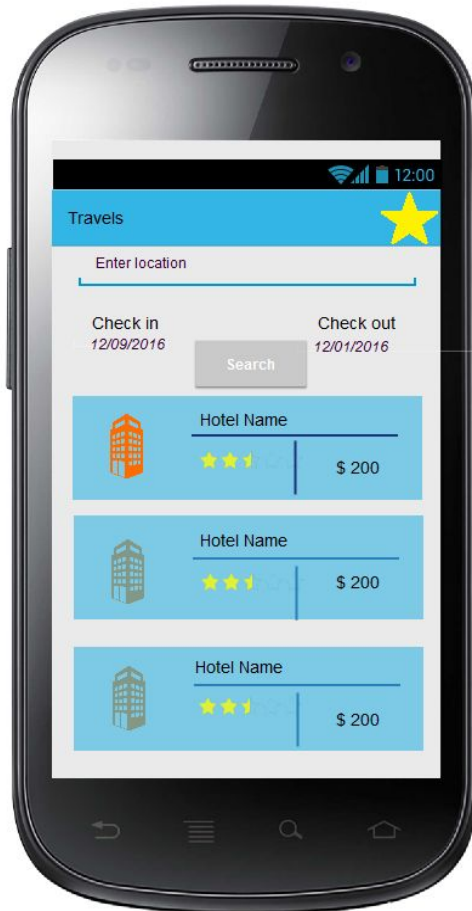
Travel's is intended for travelers who are looking for hotels in a specific area and real reviews from previous customers.

Features

- Provide list of hotels in a given area
- Save a hotel information
- Hotel reviews
- filter your search to get more precise results
- Hotels pictures
- A map to show location of hotel.

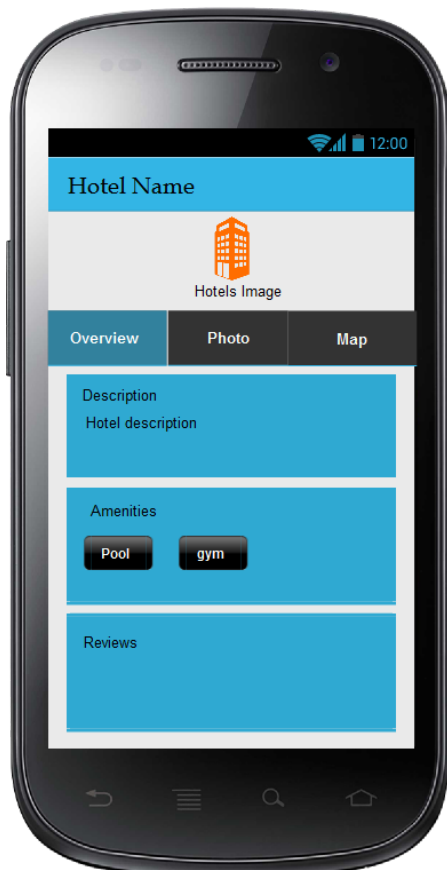
User Interface Mocks

Screen 1



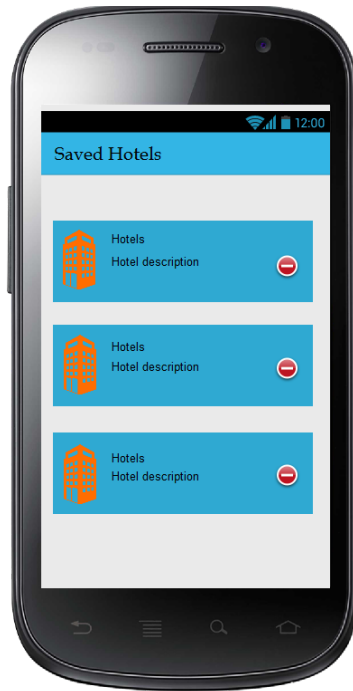
The search screen requires user to input location and to select a check in and check out date. The hotel list is displayed below in a recycler view along with a preview picture and prices.

Screen 2



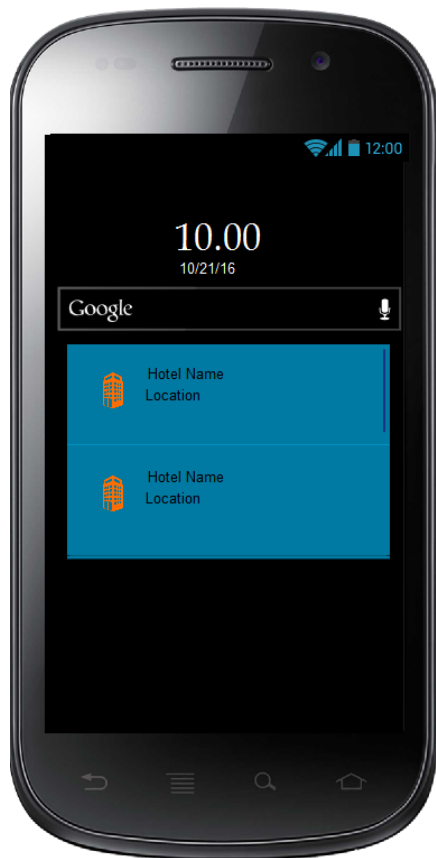
This layout consist of 3 tabs and a collapsing toolbar. The tabs will provide more details about the hotel with a description, photos and a map to show location.

Screen 3



This screen display the hotels list saved by the user. Clicking on one item will take the user to the Hotel Details activity.

Screen 6



Widget will display a list of hotels in the surroundings in a list view using the GPS to get the user's location.

Key Considerations

How will your app handle data persistence?

A content provider will be built to store hotel for later review.

Describe any corner cases in the UX.

Share button will allow user to share only the location and name of hotel.
The saved hotel activity is only accessible from the hotel list activity.

Describe any libraries you'll be using and share your reasoning for including them.

Picasso- To load and cache images efficiently

Circular fillable loaders - Loading animation

Google Places - To implement a autosuggestion text view to predict user inputs

Google Maps - Implement a map to show location of hotels with a marker

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Download latest SDK and android tools
- Configure libraries
- Configure manifest to allow app to connect to internet
- Create custom theme for the app by modifying the color.xml file

Task 2: Implement UI for Each Activity and Fragment

- Build UI for Splash
- Build UI for Hotel List Activity (search activity)
- Build UI for Hotel Details Activity
- Build UI for Saved Hotels Activity
- Build UI for Tab fragments (Overview , Photos and map)

Task 3: Hotel List Activity

- Date picker to choose check in and check out dates
- Implement an autocomplete text view for the location text view
- Async Adapter to get hotel list
- Extract details from JSON response

Task 4: Implement Expedia API and Google Places API

- Add API keys to string.xml
- Implementation of Expedia api to retrieve list o hotel
- Implementation of Places API to retrieve suggestion place for auto complete text view
- Expedia API will also retrieve reviews and pictures
- Display result using cardview in a recyclerview
- Send another request to API get complete details of hotel

Task 5: Implement Content Provider and Saved Activity

- Create a content provider to store hotels details
- Button to save hotel
- Use Loader to load data in views

Task 6: Hotel Details Activity

- Use coordinator layout
- Display picture preview in Collapsing Toolbar
- Tabs fragment (Overview, Photos, Map)
- Overview fragment uses a custom view to display hotel Amenities
- Photo fragment display list of pictures using a recyclerview
- Map fragment uses google map to show hotel location

Task 7: Widget Activity

- App get user's location through GPS
- Displays a list of hotels around the user

Add as many tasks as you need to complete your app.

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"