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.
  Describe how you will implement Google Play Services.
Next Steps: Required Tasks
 Task 1: Project Setup
 Task 2: Implement UI for Each Activity and Fragment
 Task 3: Your Next Task

GitHub Username: harikautilya
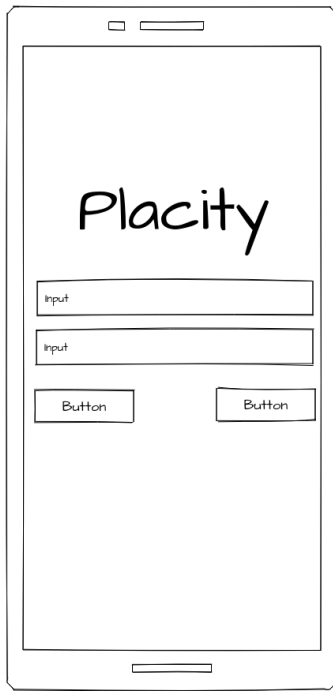
Placity

Description

This application will handle a booking system for users at events and places

Intended User

Anyone.

Features

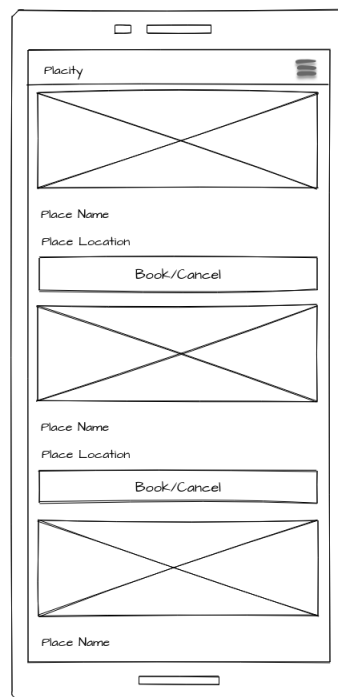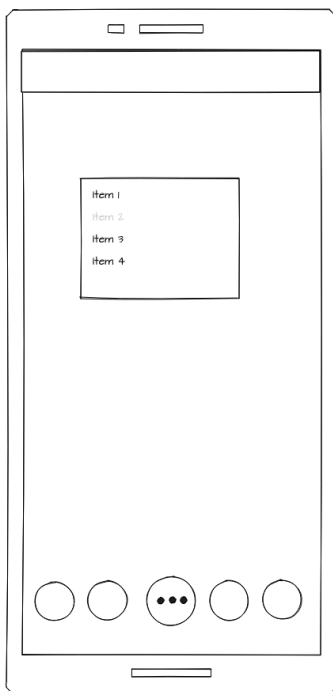Login,Display list of places and book places

Screen 1

Login Screen for the user. This will be using to register a user as well

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Input

Input

Button   Button

Screen 2

This screen handles the booking page . Displays the place to book or cancel.

Item 1
Item 2
Item 3
Item 4

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Place Name
Place Location
Book/Cancel

Place Name
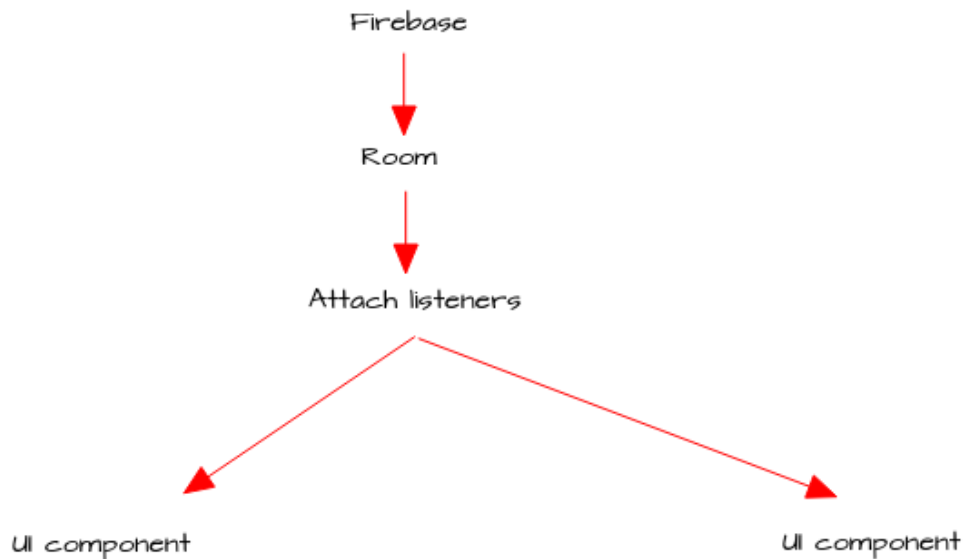Place Location
Book/Cancel

Place Name

App widget
Show list of place

Key Considerations

How will your app handle data persistence?

Will be building a backend using firebase to retrieve the data and display. Along with a data change listener which update according to the changes.

Firebase

↓

Room

↓

Attach listeners

UI component   UI component

Describe any edge or corner cases in the UX.

Attaching listener and remove listener on view changes. This will improve the UX by making easier scrolls.

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

Picasso will be used to handle image loading.

Describe how you will implement Google Play Services or other external services.

FireBase auth will be used to handle OAuth
FireBase Database will be used to store and retrieve data.

Next Steps: Required Tasks

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

Task 1: Project Setup

- Initial and add all the project dependencies.
- Adding configuration files to handle google services

Task 2: Implement UI for Each Activity and Fragment

- Build UI for the Login Activity .
- Build UI for the Main Activity

Task 3: Implementing data and auth

- Add Firebase auth.
- Add Firebase Database

Task 4: Adding service to retrieve data from firebase

- Add Job dispatcher.
- Add Room Dao.

Task 5: Applying data persistence

- Handling data updates using value event listeners.

Task 5: Adding Widget
- Adding widget and build UI according

System design
- Retrive data from firebase
- Update local data inside the device (Room-> Sqlite)
- Update user data

Build details

- Room, firebase and android support/design libs
- Version build 28
- Language : Java