Submission Instructions

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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**"

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Book Barter

Description

Ever got bored of reading the same books over and over again, with book barter you can check out people nearby you who might have books with them for lease or exchange. Within the scope of this project I'll be implementing a way for you to add books to your personal Library and opening up an activity where you can see people nearby you on a maps activity.
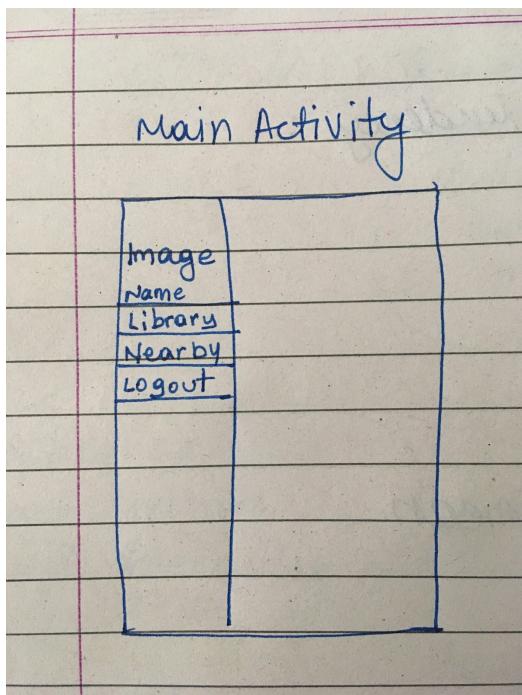
Intended User

All people who love reading. Can be extended to more products. I know it's probably illegal to do it hence just a prototype
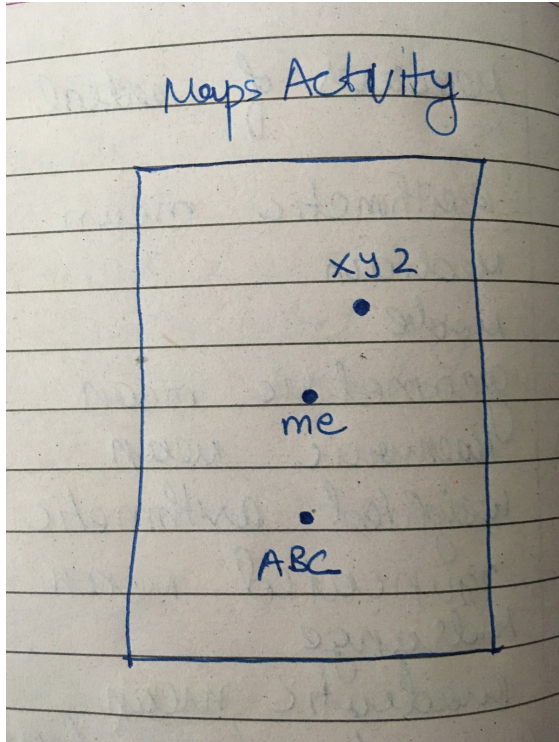
Features

- Saves information
- Shows nearby people with stuff on a map
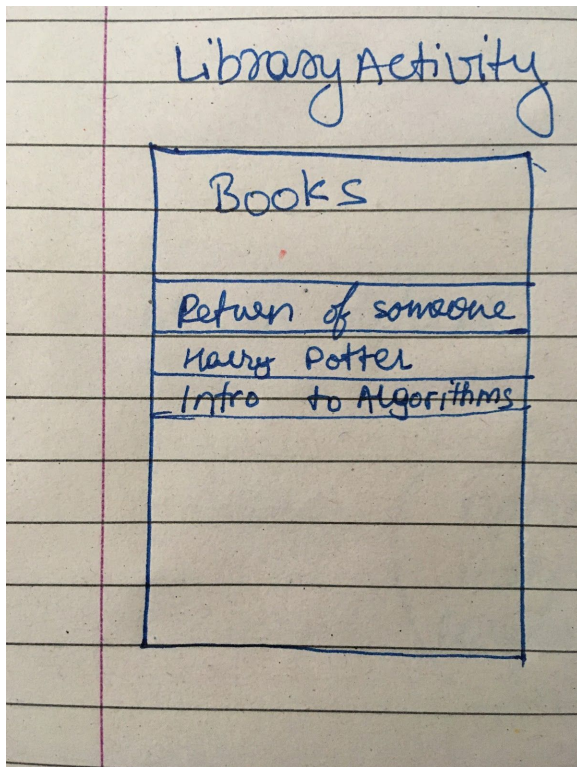- Shows your current Library which you can add/delete to

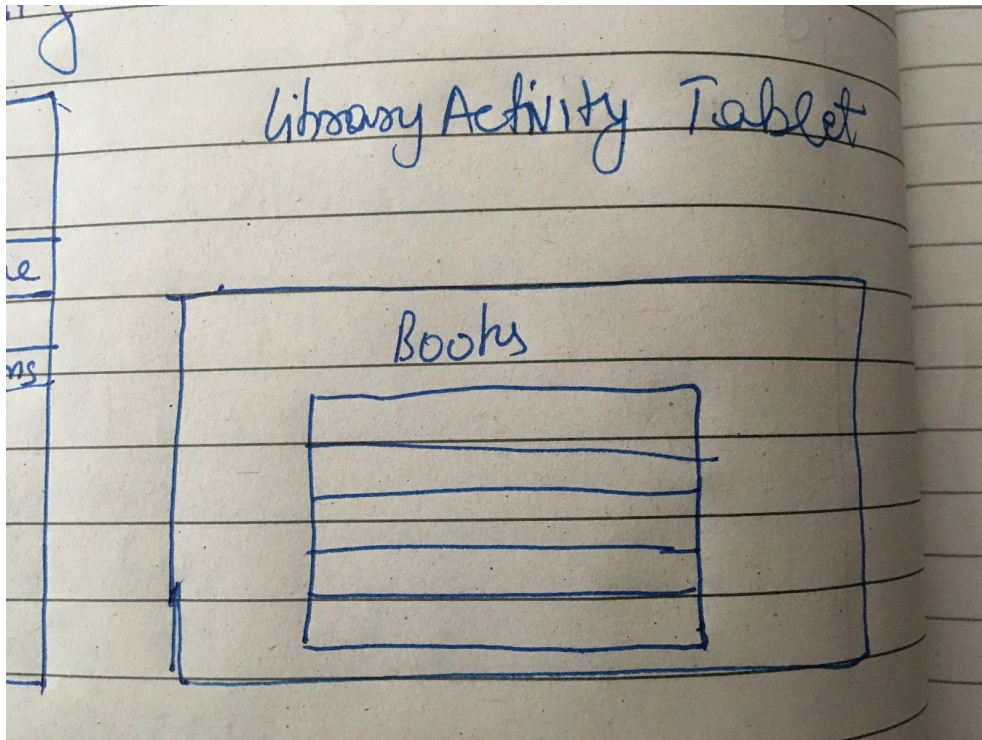# User Interface Mocks

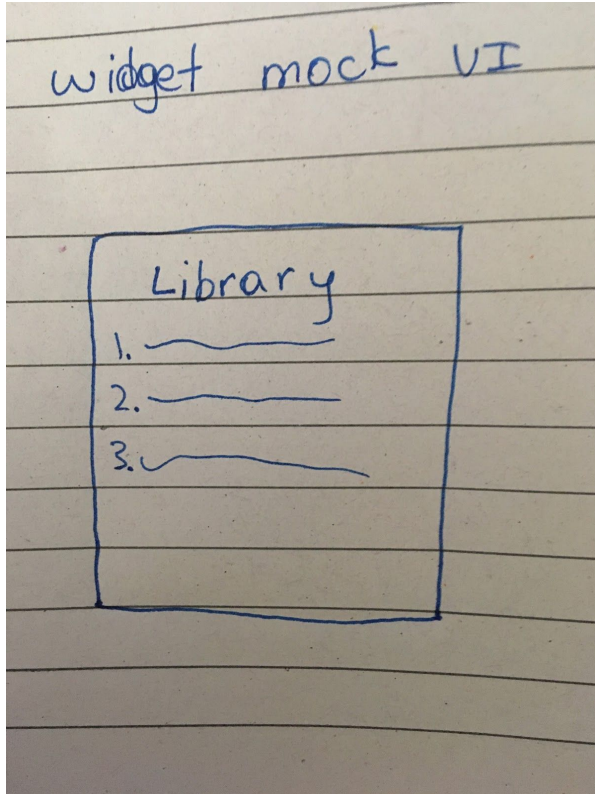### MainAcitivity

MapsActivity

LibraryActivity

LibraryActivity Tablet

Widget UI

Key Considerations

How will your app handle data persistence?

Create a content provider and store information about older applications that might have been uninstalled.

Describe any corner cases in the UX.

1. When there are no people nearby.

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

1. Maybe a library for content providers from Android Arsenal while doing the app.
2. Google cloud messaging.
3. Glide.

Describe how you will implement Google Play Services.

1. For logging in with Google.
2. Maps Services for using maps to show nearby users.

Next Steps: Required Tasks

Task 1: Project Setup

- Configure ContentProvider
- Test the newly constructed ContentProvider
- Show information on the details view

Task 2: Implement UI for Each Activity

List the subtasks. For example:
- Build UI for MainActivity
- Build UI for MapsActivity
- Build UI for LibraryActivity

Task 3 Build the MainActivity

- Create a Navigation bar and add options. Your current books will be shown in the background using a listview or recyclerview/ Or just show his current location in terms of latitute and longitude.

Task 4: Build the MapsActivity

- Retrieve the users nearby from GCM.
- Show them on the map.
- Use an Async task to retrieve the nearby people.

Task 5: Build the LibraryActivity

- Provide the user with options to add or delete books from his Library
- Use a loader to load the list of books to the view.

Task 6: Build the Widget

- Create a widget to show the current books in the users library.

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