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MyLocalShop

Description

This application lets it users post and search products (we will be using 3 categories of products which is Decoration, Arts and Crafts and home furnishings) available in and around an area with their details (product name, tags, prices and location) and those postings will be authenticated by users who search and validate those posts.

This application will save its users (people who are searching for a product) the hassle of running around an area to hunt for the best price for a product .

For example if a decorator based in an area is hunting for the cheapest blue balloons per piece .

The stores like dollar tree, michaels, joann, party city etc do not have a very accurate online portal to give exact information about its details(type, color and size) availability and price.

Some of these stores have deals and offers which are not reflected online

This application will be a database of these products from small to midsize, local and niche stores, giving accurate information to a user by text and picture and some of these posts even authenticated that these have benefitted them.

Intended User

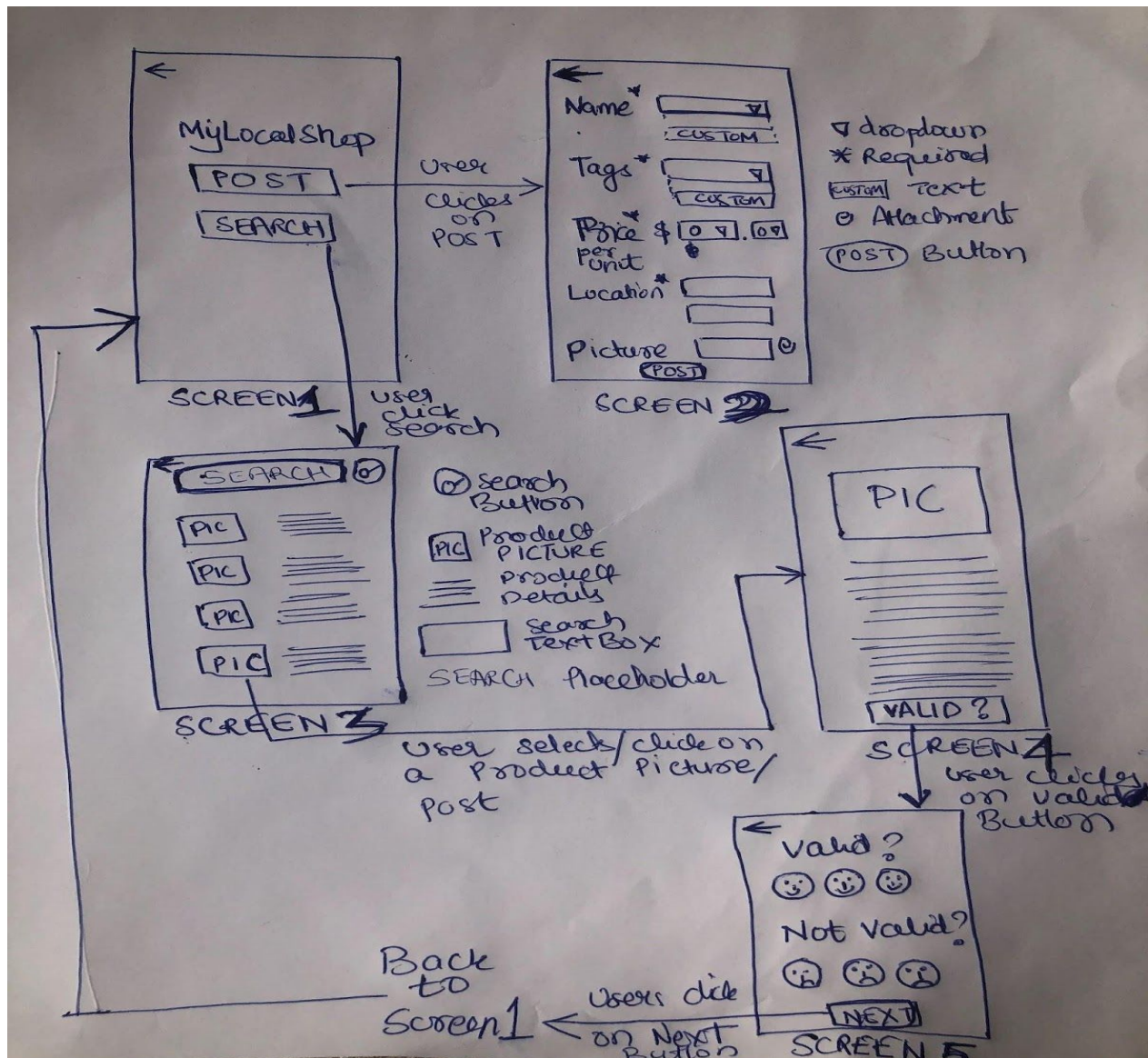
People who want to shop for Decorations, Art and Craft and Home furnishings in person at the local small scale stores.

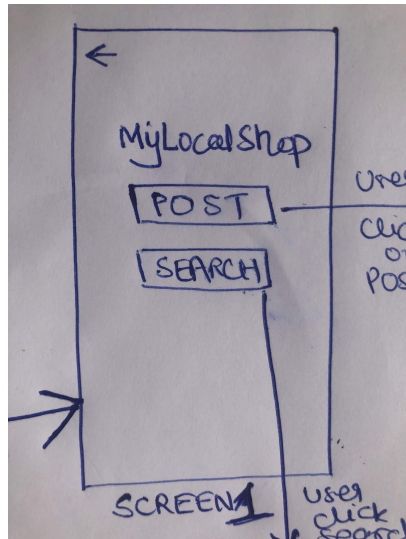
Features

- Post Products and its Details
- Search Products Posts
- Authenticate a post

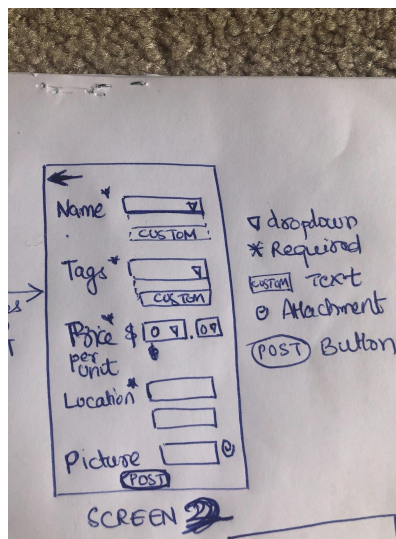
User Interface Mocks

Overall Flow Picture

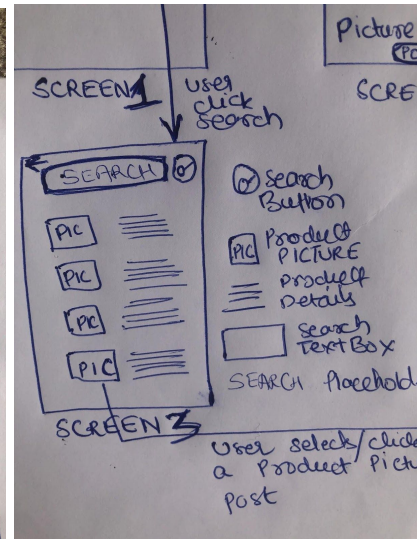




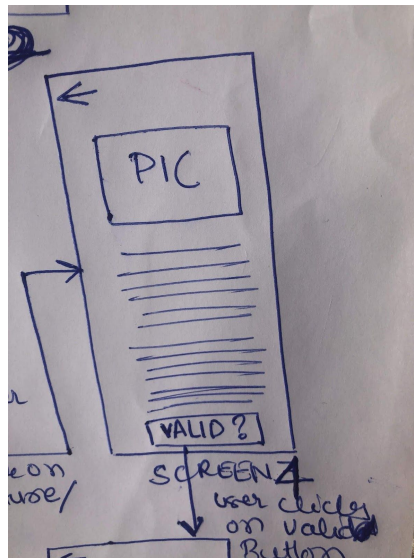
Screen 1



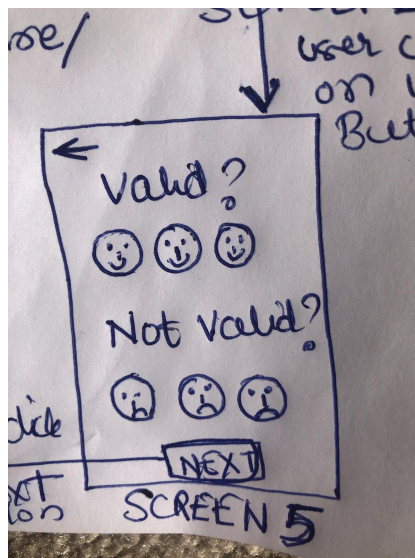
Screen 2



Screen 3



Screen 4



Screen 5

Key Considerations

How will your app handle data persistence?

We will use **Firestore Realtime Database** for storing data related to posts by users.

Describe any edge or corner cases in the UX.

Users might be able to add products not relevant to the categories the application supports for now (Decoration, Home Furnishings and Art & Crafts)

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

1. Picasso or Glide to handle the loading and caching of images.
2. Butter Knife for field and method binding
3. Google Cloud SDK for storing post details and images in firebase

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

1. Open the `build.gradle` file inside your application module directory.
Note: Android Studio projects contain a top-level **build.gradle** file and a **build.gradle** file for each module. Be sure to edit the file for your application module.
2. Add a new build rule under dependencies for the latest version of play-services, using one of the APIs listed below.
3. Ensure that your top-level `build.gradle` contains a reference to the `google()` repo or to `maven { url "https://maven.google.com" }`.
4. Save the changes, and click **Sync Project with Gradle Files** in the toolbar.

Next Steps: Required Tasks

Task 1: Project Setup

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Configure libraries
- Something else

If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for First Page
- Build UI for Post a Product page
- Build UI for Search a Product page
- Build UI for Authenticate a Product

Task 3: Your Next Task

- Create layout for all UI activities
 - Creating xml layouts
 - Creating Java files for ActivitiesWriting code for :
 - Pre Populating UI fields with data (Dropdowns)
 - Validating information being entered onto the UI by the user
 - Implementing calling other activities on click of button(s)
- Create a Service for Posting a product to database
- Create a Service for Retrieving a list of Products
- Implement Search for searching products
- Create a Service for Authenticating a Product and provide feedback

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

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
 - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"