How to Use this Template

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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**"

GitHub Username: Jiawen Qian

iWish

Description

It's a tinder-like wish list app. The system will push some products you may interested in. If you swipe to the left, you mean you don't like the product. If you swipe the product which shows on the card to the right, it will store to your wish list.

Intended User

potential users will be the millennials shoppers and fashion brands.

Features

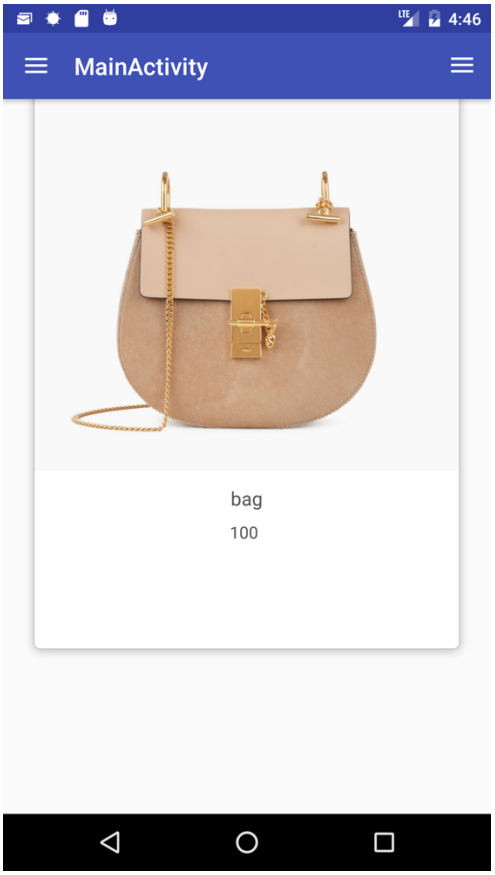
List the main features of your app. For example:

- Saves information
- Swipe function
- See product information
- Choose product categories

User Interface Mocks

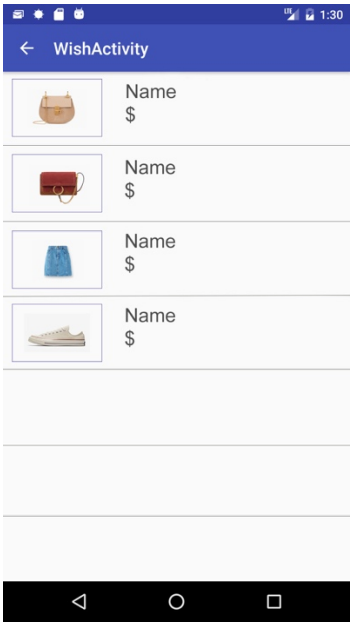
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



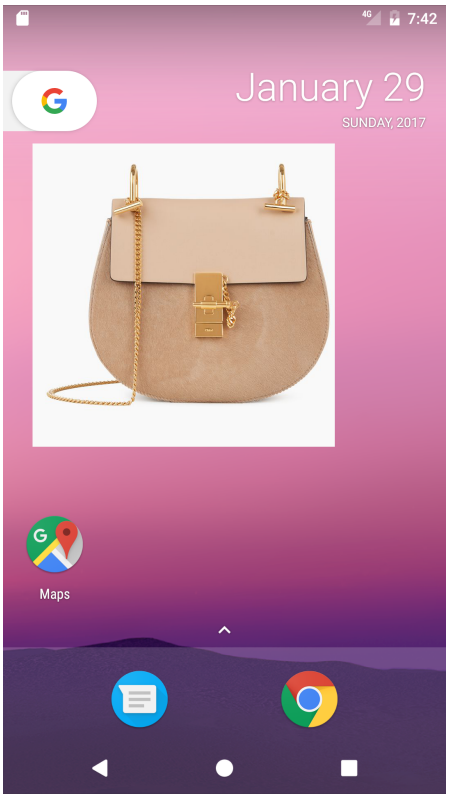
This is the main activity, After the user register my app, the app will jump to this activity. You can swipe the card to left or right

Screen 2



This is a wish list. All the products you like will store in a database.

Screen 3



It’s a very simple widget. I am going to provide the product information on the home screen

Key Considerations

How will your app handle data persistence?

I plan to build a database on the local to handle the data. Because then I can still see the wish list even don't have internet connection.

Describe any corner cases in the UX.

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

I plan to use Picasso to loading the image.
I also plan to find a swipe library to implement the swipe function.

Describe how you will implement Google Play Services.

The first google play service I am going to use is google ads.
So I can make some money from the app.
I also going to use google cloud. My first plan is to use google cloud and run fetch data task on the cloud. But now I am not sure whether it is possible.

- The Google Account Login (I can use this to make sign in simply)
- Google mobile ads (provide ads in my app)
- Google Cloud Engine (set up a Google Cloud Endpoints development server)

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

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 Register page
- Build UI for Main Activity(Swipe page)
- Build UI for Menu
- Build UI for Wish Activity(store information)
- Build UI for Profile Activity(collect user information)

Task 3: Fetch data using AsyncTask

I need to fetch product from other websites. Based on my research, Ebay has api to provide product search.

Because the Api call will not update frequently. It's not like a weather api which update every day. So I plan to use AsyncTask to implement request.

Task 4: Implement a Database

Create data contract
Create Database helper
Create content provider

Task 5: Implement cursor loader

Use cursor to move the data to the views

Task 6: Implement a widget

This widget will be very simple, it provides the image of product on the home screen

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

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