

## 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**"

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# ComiCoid

## Description

ComiCoid android app is for those people who love marvel comics, characters and many more. This app provides the data from the Marvel API like characters, events and comics cover.

## Intended User

People who love the marvel comics and children.

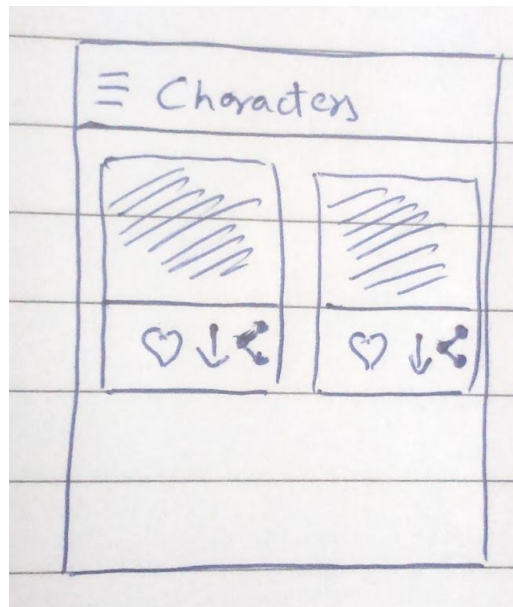
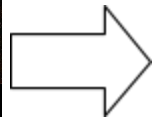
## Features

List the main features

- Favourite your characters and save them
- Favourite your comics cover and save them
- Share character and comic cover with others
- Download images of character and comic cover in your gallery

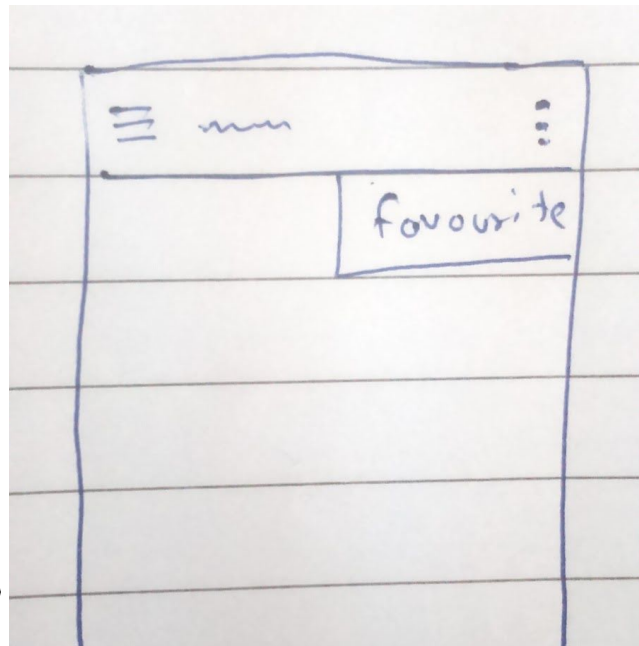
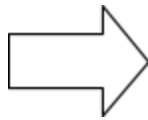
## User Interface Mocks

### Screen 1



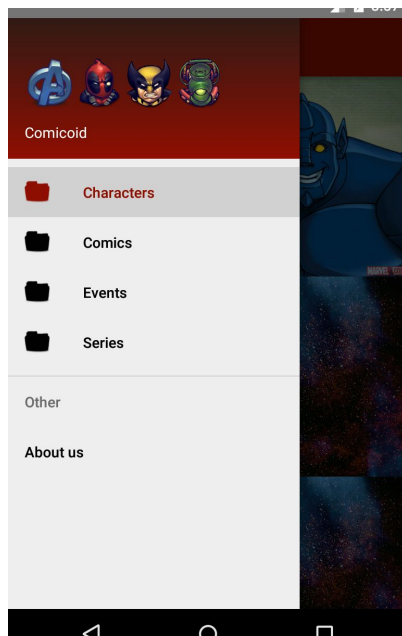
This is the Launcher screen where user get the list of characters and directly share, download and save them from here only

## Screen 2



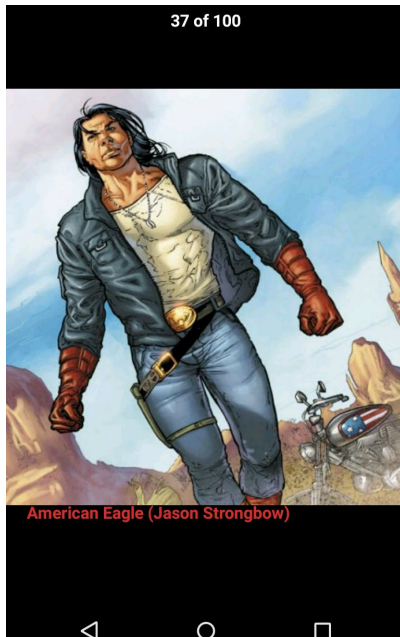
Same as the Launcher screen user can do all functionality here and here they get the list of comics cover

## Screen 3



Navigation bar help user to switch from one content to another and in about us they get the detail of marvel

## Screen 4



User can click on item and they get the feature of simply switching from item to another (ViewPager) horizontal scrolling of images

## Logo



User can click on item and they get the feature of simply switching from item to another (ViewPager) horizontal scrolling of images

## Key Considerations

How will your app handle data persistence?

As user favourite their characters and comic cover they will store in content provider and backed by a SQLite database. Content Provider update whenever user favourite or unfavourite the item

### **Describe any corner cases in the UX.**

Sharing the character and comic cover, app will handle the situation if no other application is there to perform the action by giving proper message to the user so user will not get confuse. Downloading the image if no space in phone will give user the information of insufficient memory.

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

Glide to handle the loading and caching of images. Butterknife for binding the UI. Marvel API is used for the data.

### **Describe how you will implement Google Play Services.**

Google AdMob for showing the ads to the user on the Launcher screen.  
Firebase Analytics for analyzing the application behaviour.

## **Next Steps: Required Tasks**

### **Task 1: Project Setup**

- Configure Glide - Image Loading Library
- Getting Marvel API Key and the url to get the data from
- Choosing the endpoints for the application

### **Task 2: Implement UI for Each Activity and Fragment**

- Build UI for MainActivity
  - Set RecyclerView for the image list
  - Build the layout for content of the list
- Build NavigationBarLayout and layout for different fragments
- Build Overflow menu and favourite option inside it

### **Task 3: Handling Data**

- Call Marvel API for character and comic cover to show the relevant data in relevant fragment
- Build content provider and sqlite database and attach relevant layout and show data

## Task 4: Share and Download

- Perform share and download image to gallery

## Task 5: AdMob and Analytics

- Show ads before the app start
- Firebase analytics for characters
  - Make firebase project
  - Set firebase dependencies
  - Create instance for the characters and integrate it

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