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Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [File → Download as PDF]
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GitHub Username: dahu3291

SuperHero Characters

Description

This App allows users to get information about Marvel superheroes, the comics they appear in and chat with other users about them.

Intended User

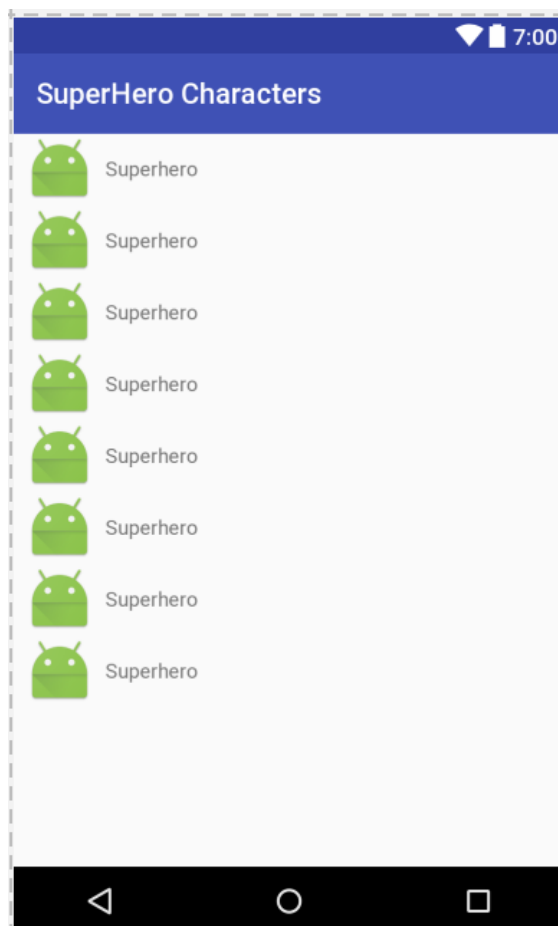
This App is for users that want a discuss about their favourite Marvel superheroes.

Features

- Superhero listings
- Chat forum

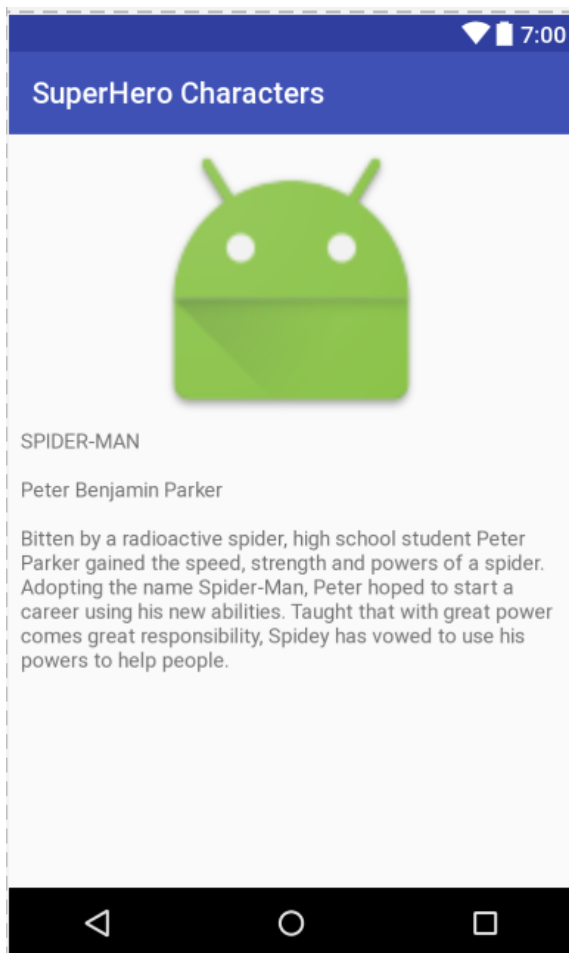
User Interface Mocks

Screen 1



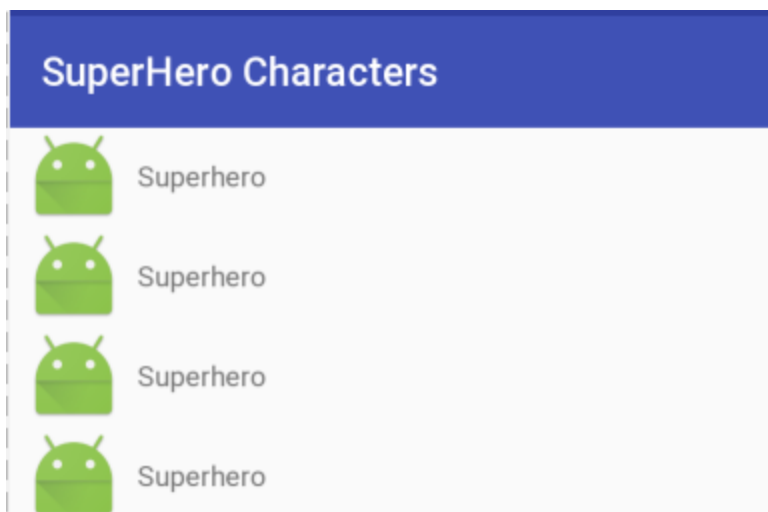
List of characters

Screen 2



Character detail page

Widget Screen 2



Key Considerations

How will your app handle data persistence?

Data will be persisted using a ContentProvider and the Firebase Realtime Database and Storage.

Describe any corner cases in the UX.

On back pressed users will be returned to the previous fragment.

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

Picasso to handle the loading and caching of images.

Retrofit to parse json data.

Firebase to persist data

Describe how you will implement Google Play Services.

Firebase Realtime database to save chats

Firebase Storage to save image files

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

Connect to Marvel API to get list of characters

- Use SyncAdapter to pull data every 48 hours
- Get data in json format
- Use retrofit to deserialize the data

Task 2: Create Model Class for Characters

Characters will have:

- Name
- Biography
- List of comics

Task 3: Implement UI for Each Activity and Fragment:

Create all of the user interfaces:

- Create MainActivity and its layout
- Create DetailActivity and its layout
- Create DetailFragment and its layout
- Create CharacterFragment and its layout
- Create ChatFragment and its layout

Task 4: Set Up ContentProvider and the Firebase API

Store data in SQLite database, and set up Firebase to enable chatting

Task 5: Load data into views

Use loader to load data into view

Task 6: Create Widget

Create widget that shows the list of characters

Task 6: Create Build Variant

Create release variant

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