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GitHub Username: samirma

Meteorite Landings App

Description

This Android app contains information on all of the known meteorite landings according to Nasa, allowing you to navigate over it.

Intended User

Students and Astronomy enthusiasts

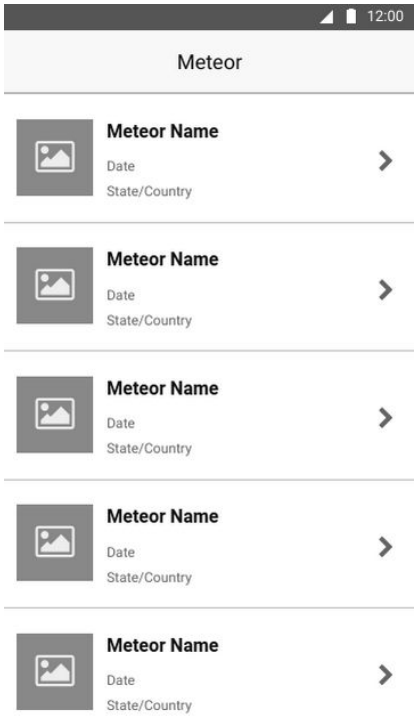
Features

- Load landing meteos landing spots from NASA
- Show list of landing meteos
- Show the meteor details

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

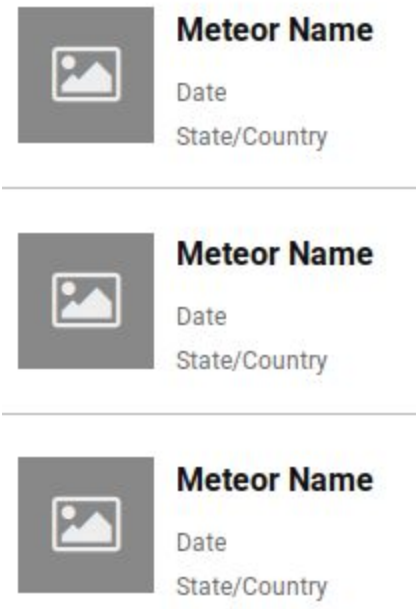


Main screen on portrait mode showing a list of closest meteor landing point

Screen 2

Detail info about the landing place and its Google Map

Screen 3



Widget screen allows you to select the meteor point and open the detail screen

Key Considerations

How will your app handle data persistence?

It will going to load data from url persist it using SQLlite3 and use Content Provider to display its content to UI

Describe any corner cases in the UX.

Show the closest landing spot from you

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

Butterknife - Library inject automatically the xml components into the variables
Retrofit2 - It makes http calls and parse easier
Picasso - Library to load image url into a ImageView
Gson - Parser library used in this project to convert Json string to POJO Java Class
PhotoView - Used to introduce the zoom feature on ImageView

Describe how you will implement Google Play Services.

I will use the location and maps to show the landing spots and determine how far are the user from these spots
Analytics will be used to map the user interactions with the application.

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:

- Create GitHub repository
- Configure libraries
- Create the Junit tests for data layer and implement it

Task 2: Implement Google Play Services

- Implement Analytics
- Implement Location
- Implement Maps

Task 3: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for DetailActivity
- Build UI for Tablet and landscape mode
- Implement the Loaders in order to Interface recover the data

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

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