

## Summary

[Summary](#)

[Description](#)

[Intended User](#)

[Features](#)

[User Interface Mocks](#)

[Login Screen](#)

[Anime/Manga List Screen](#)

[Anime/Manga Detail Screen](#)

[Key Considerations](#)

[How will your app handle data persistence?](#)

[Describe any edge or corner cases in the UX.](#)

[Describe any libraries you'll be using and share your reasoning for including them.](#)

[Describe how you will implement Google Play Services or other external services.](#)

[Next Steps: Required Tasks](#)

[Task 1: Project Setup](#)

[Task 2: Implement UI for Each Activity and Fragment](#)

[Task 3: Internationalization](#)

[Task 4: Test](#)

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## AniMAL

### Description

Track animes and mangas that you watch and read or want to using My Anime List (also known as MAL) social network.

### Intended User

Anime and manga fans.

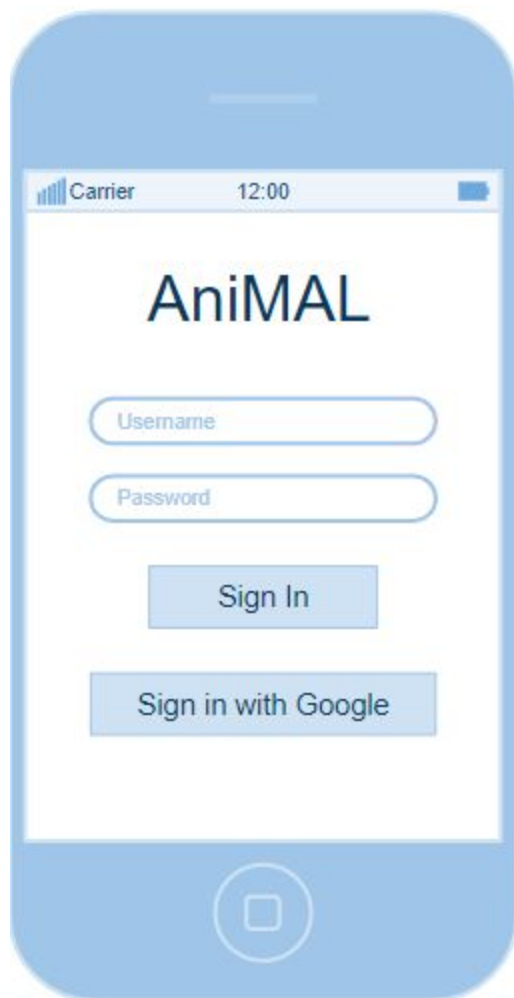
## Features

- Authentication on My Anime List social network (the user must have an account already)
- Search recent and old animes and manga
- Track the anime and manga you are watching, watched, dropped or want to see
- Give scores and write reviews
- Verify many details of each anime listed, like studio, reviews, rates

## User Interface Mocks

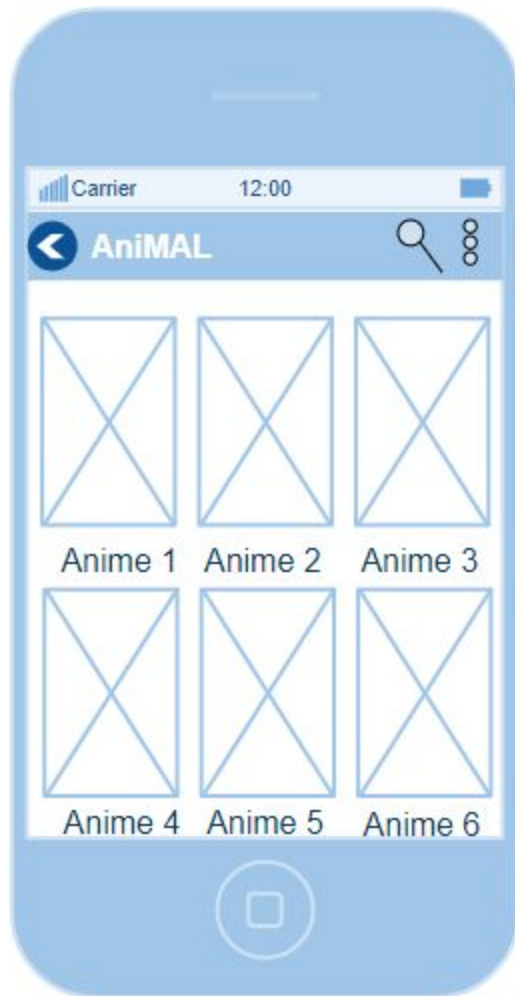
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, [www.ninjamock.com](http://www.ninjamock.com), Paper by 53, Photoshop or Balsamiq.

### Login Screen



The user can either use his MAL's account email and password or login with Google (MAL accepts Google login).

## Anime/Manga List Screen



There will be a similar screen for anime and manga, but each will be in their own screen.

Here the user will see the list of all animes and mangas added on MAL social network.

The user might switch between anime and manga clicking on an option in the “more options” button on action bar.

The user will be able to filter the list by clicking on the menu button on action bar, the filters will be Watching/Reading, Plan to Watch/Read, Watched/Read, Dropped, Clear Filters (this will remove any filter and show all animes/manga).

The user will be able to order the list alphabetically or by score by clicking on an option on menu.

There will be a possibility to search anime and manga by clicking the icon on action bar.

## Anime/Manga Detail Screen



This screen shows some details from the Anime, like your score, how many episodes the user watched and it's status, the anime poster, title and a small description of the anime.

On the menu, there will be options to update the status.

The buttons +1 and -1 will be used to increase or decrease the number of episodes watched.

## Key Considerations

How will your app handle data persistence?

Build a Content Provider to handle offline queries and sync with My Anime List Database when online.

**Describe any edge or corner cases in the UX.**

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

Picasso to handle loading and caching of images.

Retrofit to handle request to My Anime List API.

SimpleXML to handle XML responses in XML.

Butterknife to handle view binding and avoid verbosity.

Espresso to handle UI testing

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

The app will have an option to Authenticate with Google, and this authentication is handled by Google Play Services and Firebase.

## Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

### Task 1: Project Setup

- Create android project
- Create project on Firebase and configure it
- Create entities
- Configure retrofit to read MAL's API

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

- Create the LoginActivity
- Create AnimeMangaListActivity
  - Create AnimeMangaListAdapter
  - Adapt activity for Smartphone and Tablet layouts
  - Create Dialog to handle the filter options
- Create AnimeMangaDetailActivity

### **Task 3: Internationalization**

- Make the app available on both English and Portuguese (Brazil)

### **Task 4: Test**

- Create UI tests using espresso.