GitHub Username: https://github.com/seliverstov/

Anime Navigator

Description

"Anime Navigator" is a mobile app for anime and manga lovers.

Problem. Sometimes it's very hard to find out good anime or manga among thousands of titles and there is no good android app that solves this problem.

Solution. An android app that contains data for more than 17K anime and manga from www.animenewsnetwork.com, including titles, images, ratings, plot summary, etc. App allows browse anime and manga by genre (action, drama, e.t.c) and theme (robots, school, e.t.c), search by titles and creator's name, load additional information such as news, reviews, episodes etc from web. Also app shows relationship between different items such as "sequel", "prequel", "spin-off" etc. App allows share interesting titles between your friends and store it to your favorite list.
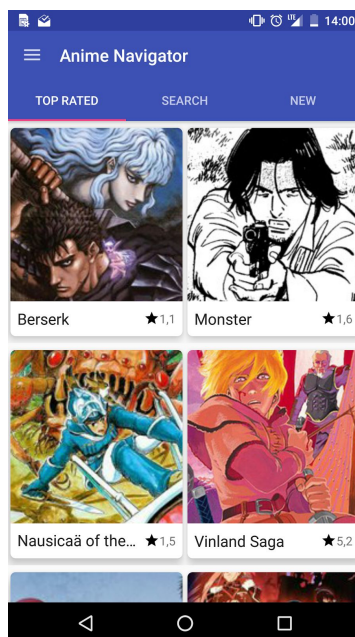
Intended User

Anime and manga lovers who want convenient app to search and navigate between thousands of anime and manga titles.

Features

- Store and regularly update information (titles, ratings, plot, e.t.c) about more than 17K anime and manga
- Navigate between related items (sequel, prequel, spin-off, e.t.c)
- Search by titles (including alternative titles) and creators
- Browse by genre and theme
- Read complete information about anime/manga: plot summary, creators, alternative titles, episodes, news, reviews etc.
- Share interesting items to your friends
- Add to favorite list
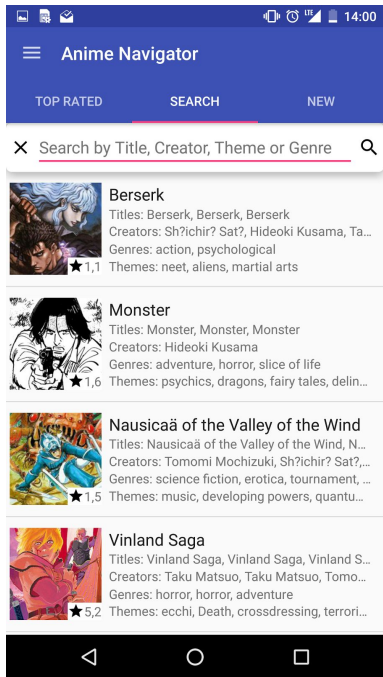- Receive notifications when new anime/manga is appears

User Interface Mocks

Screen 1

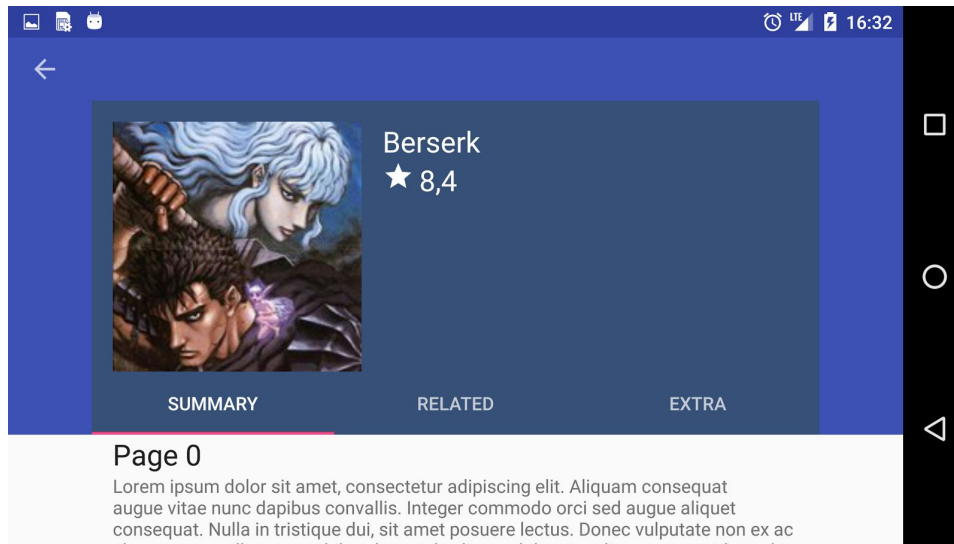Start screen for phones.

Screen 2
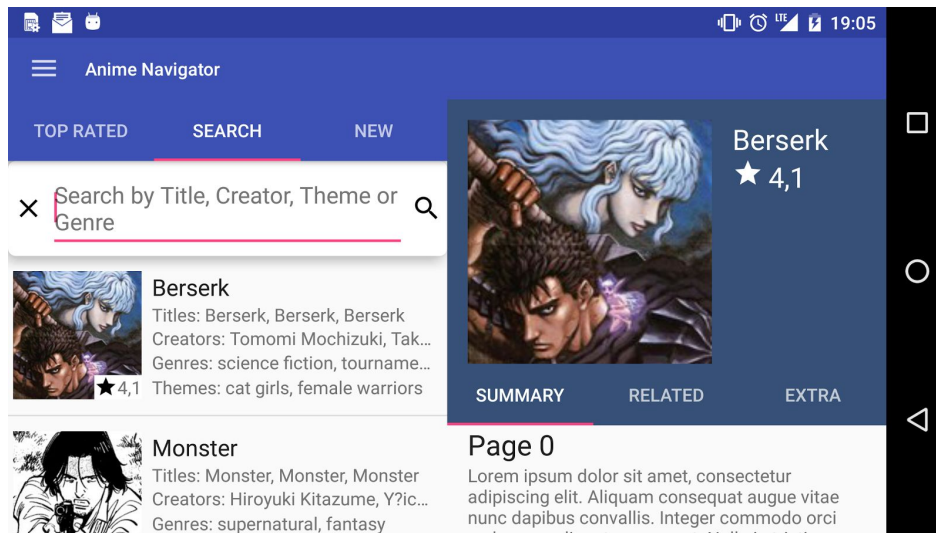

Search screen

Screen 3

Details screen

Screen 4

Details screen in landscape mode for phones and portrait mode for tablets

Screen 5

Main screen for tablet

Key Considerations

How will your app handle data persistence?

App will store all anime/manga data in SQLight database and use ContentProvider to retrieve and update it. Data will be regularly updated by SyncAdapter. Settings will be stored in Shared Preferencies.

Describe any corner cases in the UX.

App will use AppCompat, Design, RecyclerView, CardView and other support libraries to create UI. Navigation drawer will be used for basic navigation between Anime and Manga and access settings. ViewPager and TabLayout will be used to structure data inside main and details screens.

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

App will use Picasso to load and cache images and Retrofit/HttpOK to load data from web.

Next Steps: Required Tasks

Task 1: Project Setup

- Set up github repository for project
- Create new project in Android Studio
- Add library dependencies

Task 2: Implement UI for Each Activity and Fragment

- Create basic application layout with navigation drawer and action bar
- Add UI for list/grid fragment
- Add UI for search fragment
- Add UI for details fragment
- Add UI for landscape/tablet mode
- Add navigation between activities
- Add sharing functionality

Task 3: Implement DB

- Create database structure
- Fill database with initial data
- Create ContentProvider to access DB

- Create cursor adapters for list/grid/details view
- Bind data from cursor to view
- Add ability to mark items as 'favorite'

Task 4: Implement data updates

- Create service to request data updates from web
- Create parser and validator for XML data
- Update database with new data
- Create SyncAdapter for regular updates

Task 5: Implement widget and notifications

- Add notifications about new/favorite items
- Add settings menu for notifications (on/off)
- Create widget

Task 6: Implement Google Play Services

- Implement AdMob
- Implement Analytics