

Requirements Document: Popular Movies Application

Team Oprah's Voice

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Project Description

This application will allow the user to view a grid of recent and/or popular movies, click on any given movie poster to access detailed information about that movie, and add favorite movies to a list that can be accessed at any time.

Project Purpose

The purpose of this project is to provide the user with an application that allows him or her to quickly access / find recent and popular movies, and add favorite movies to a list which can be accessed at any time.

Process Requirements:

In development of this application, we will be utilizing Rapid Prototyping and Agile methods. We have a basic idea of how development in Android works and will have weekly scrums to discuss issues / problems and to delegate tasks as appropriate. We will have a working build by April 9th, 2018, and we will have completed the project by April 23rd. The program will be developed using *Git* version control and accessible to the team through a *GitHub* repository.

Functional Requirements:

The software we will be creating will be an Android application with the intent of displaying a running list of movie listings. The movie listings should be arranged in a way that is easy for the user to navigate. The main screen of the application should display a list of movies and clearly show the poster of each movie to easily recognize individual films. The user should also be able to sort movies by popularity and user rating.

Upon clicking on the movie posters, the user should be presented with a detailed view of the movie selected. This view should include information such as the movie description, the movie's ratings, and release date. In order to get the information for this project, the application will need to pull movie information from *The Movie Database* API and perform search and sorting on the data received.

Platform Requirements:

Our application will be designed for phones and tablets running on ARM or x86 processor architecture and running Android 5.0 and newer with a target SDK of Android 7.0. Device should have at least 512 MB of RAM and a stable Wi-Fi connection.

Quality Requirements:

Our application will populate (with 99% reliability) the main view with a grid of appropriately-sized movie posters which are sorted based on the selected sorting option. Upon clicking any poster, the user will be displayed the detail view with poster and properly associated movie detail information – movie synopsis, release date, and rating. Our application is dependent on a wireless connection in order to pull movie information from *The Movie Database* API, so the program will not run if the device is offline. While online, our application will run smoothly without crashing.