Movie Catalogue Application - ITR0 to ITR3 Complete Planning Document

Team Information

- **Project Name:** Movie Application
- **Team Members:** Gjergj, Rhythm, Suneel, Andy, Sarah
- **Course:** EECS 2311: Software Development Project

Movie Cataloguing Vision Statement

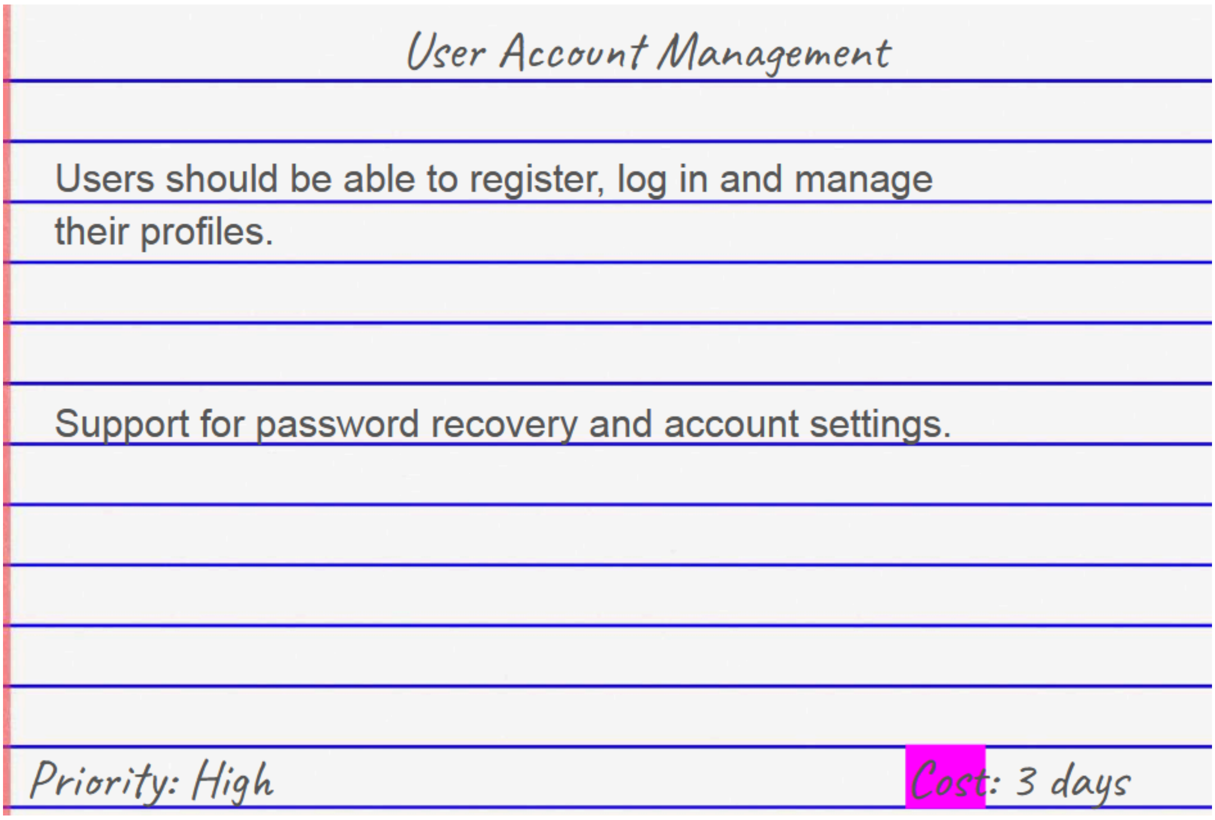
The Movie Catalog App will allow users to track their movie-watching experience, discover new movies, and engage with a community of other like-minded individuals. It will allow users to create accounts to manage their watchlists, find recommendations tailored to their viewing preferences, and interact with others via direct messages or reviews. The system will primarily be used by movie enthusiasts. It will allow them to create an account, search for movies, view detailed information about the movies and actors, add movies to lists under categories such as Watched, Plan to Watch, and Dropped, review movies, and track their progress in the app through metrics such as reviews and movies watched.

Initially, we will focus on creating a strict movie cataloging experience with features such as watchlists for users as well as review features. We will encourage users to interact with other users by gamifying their experience through achievements or badges.

The project will be a success if it passes a few of the following criteria. First, the users will be able to follow their movie tracking lists and be able to keep track of any upcoming movies that they want to add as well, allowing for a more sustainable application. Second, we want to ensure that users have an interactive experience through features such as movie reviews, interaction with other users, and personalization through either simple themes in the app or recommendations based on their movie preferences. In conclusion, the project will be considered a success if our clientele prefers our application over existing ones based on their usage of the various features or surveys to get feedback on our application.

(The vision statement had to be updated due to the lack of contribution and work from the group members Suneel, Sarah, and Andy)

Big User Stories



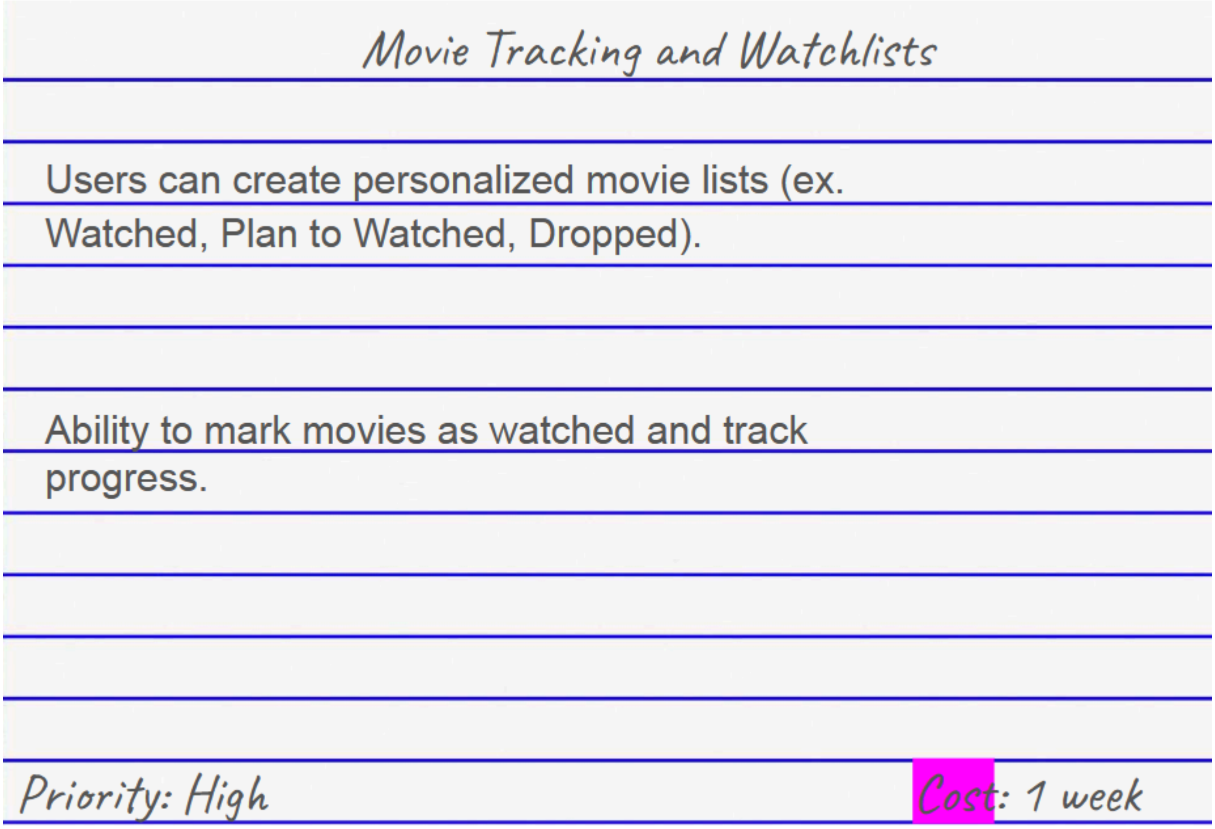
User Account Management

Users should be able to register, log in and manage their profiles.

Support for password recovery and account settings.

Priority: High

Cost: 3 days



Movie Tracking and Watchlists

Users can create personalized movie lists (ex. Watched, Plan to Watched, Dropped).

Ability to mark movies as watched and track progress.

Priority: High

Cost: 1 week

Movie Discovery and Recommendations

Users can search for movies by title, genre, director, or actors/actresses.

Personalized recommendations based on watch history.

Priority: High

Cost: 1.5 week

Social Features and Reviews

Users can write reviews, rate movies, and see aggregated ratings.

Support for direct messaging (temporary storage, no database).

Gamification elements like achievements or badges.

Priority: Medium

Cost: 2 week

Updated Big User Stories

1. **User Account Management** Users should be able to register, log in, and manage their profiles. This includes support for password recovery and account settings. Users will have personalized experiences based on their accounts.

   Priority: High
   Cost: 3 days

2. **Movie Tracking and Watchlists** Users will be able to create personalized movie lists, including Watched, Plan to Watch, and Dropped categories.

   Priority: High
   Cost: 7 days

3. **Movie Discovery and Recommendations** Users will be able to search for movies by title.

   Priority: High
   Cost: 10 days

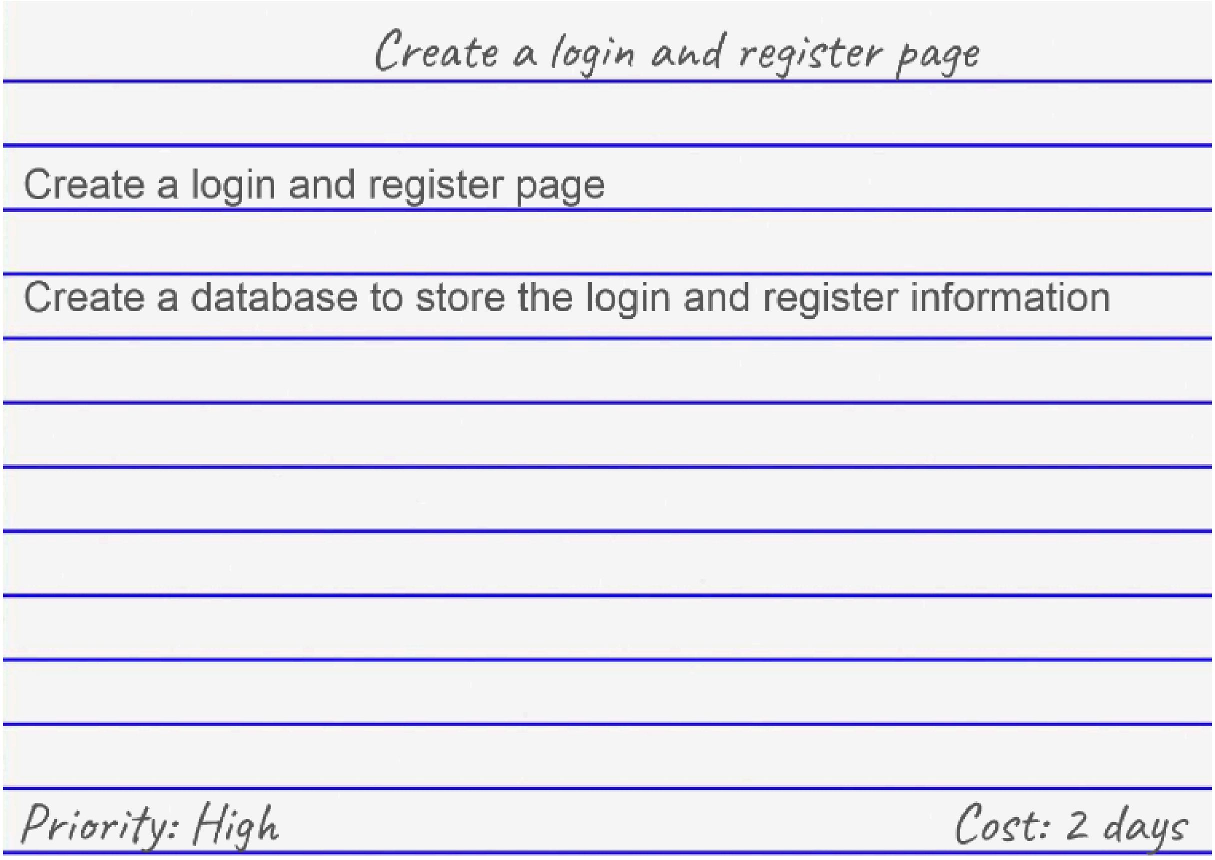
4. **Social Features and Reviews** Users will be able to write and read reviews, rate movies, and view aggregated ratings. Gamification elements like achievements or badges will also be implemented to encourage user engagement.

   Priority: Medium
   Cost: 14 days

5. **SQLite Database Integration** SQLite will be integrated to manage data locally and allow easy access to user accounts, movie lists, and reviews.

   Priority: High
   Cost: 2 days

Detailed User Stories ITR 1:



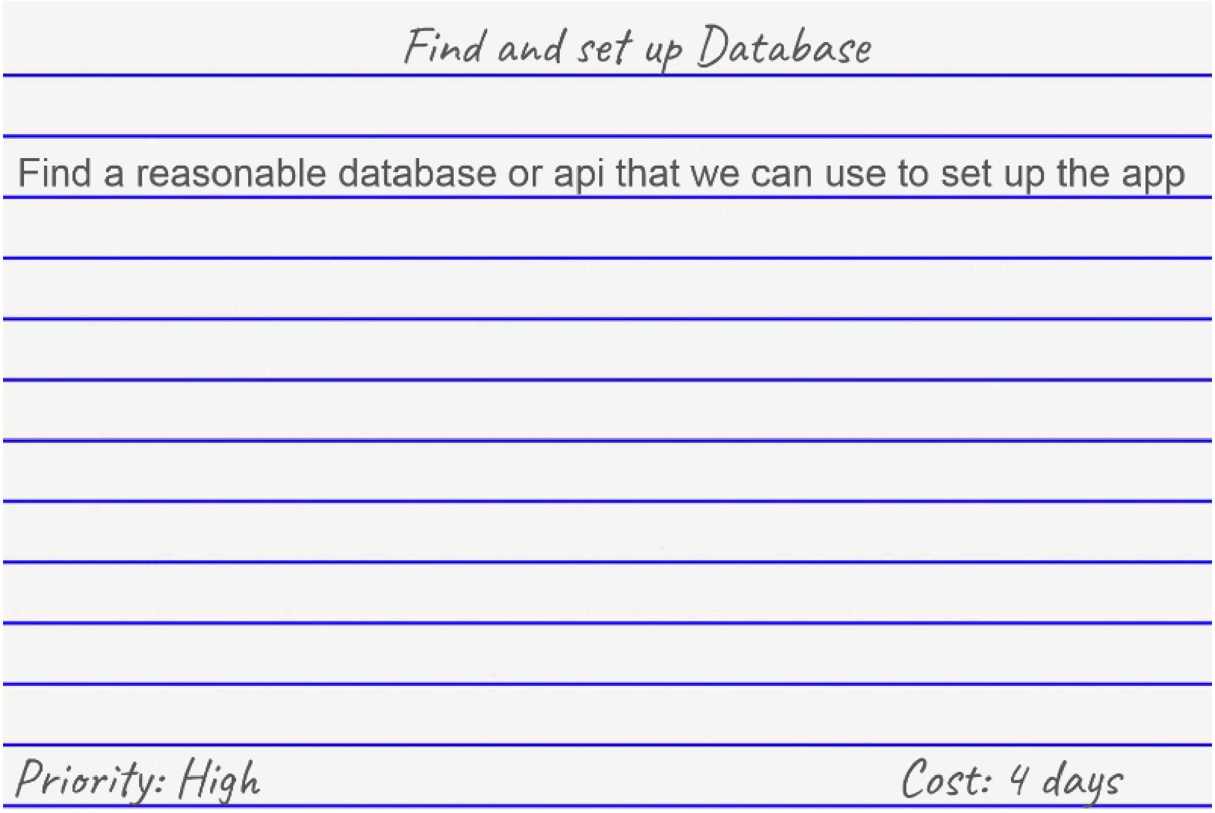
Create a login and register page

Create a login and register page

Create a database to store the login and register information

Priority: High

Cost: 2 days



Find and set up Database

Find a reasonable database or api that we can use to set up the app

Priority: High

Cost: 4 days

Page for movies

Using the database create a page for the movies

Priority: Low

Cost: 4 days

Updated Detailed User Stories ITR1:

- **User Registration and Login** Users should be able to register an account and log in to the application. The registration process will require an email, password, and username. Upon successful registration, the user's data will be stored using SQLite. The login feature will authenticate the user using the stored credentials.

  Priority: High
  Cost: 2 days

  (Done by Gjergj)

- **Database Setup** Implement SQLite as the primary database to store user information, movie data, and reviews. Ensure the database is well-structured, allowing efficient data retrieval and updates.

  Priority: High
  Cost: 4 days

  (Done by Gjergj)

- **Basic Movie Page** Create a simple movie page that displays essential movie information, including title, genre, and release date. Movie data will be retrieved from the SQLite database and presented in an organized format.

  Priority: Low
  Cost: 4 days

  (Done by Gjergj and Rythem)

- **Initial UI Design** Create a basic user interface for the login, registration, and movie pages. Focus on a clean and intuitive layout to ensure ease of use for users.

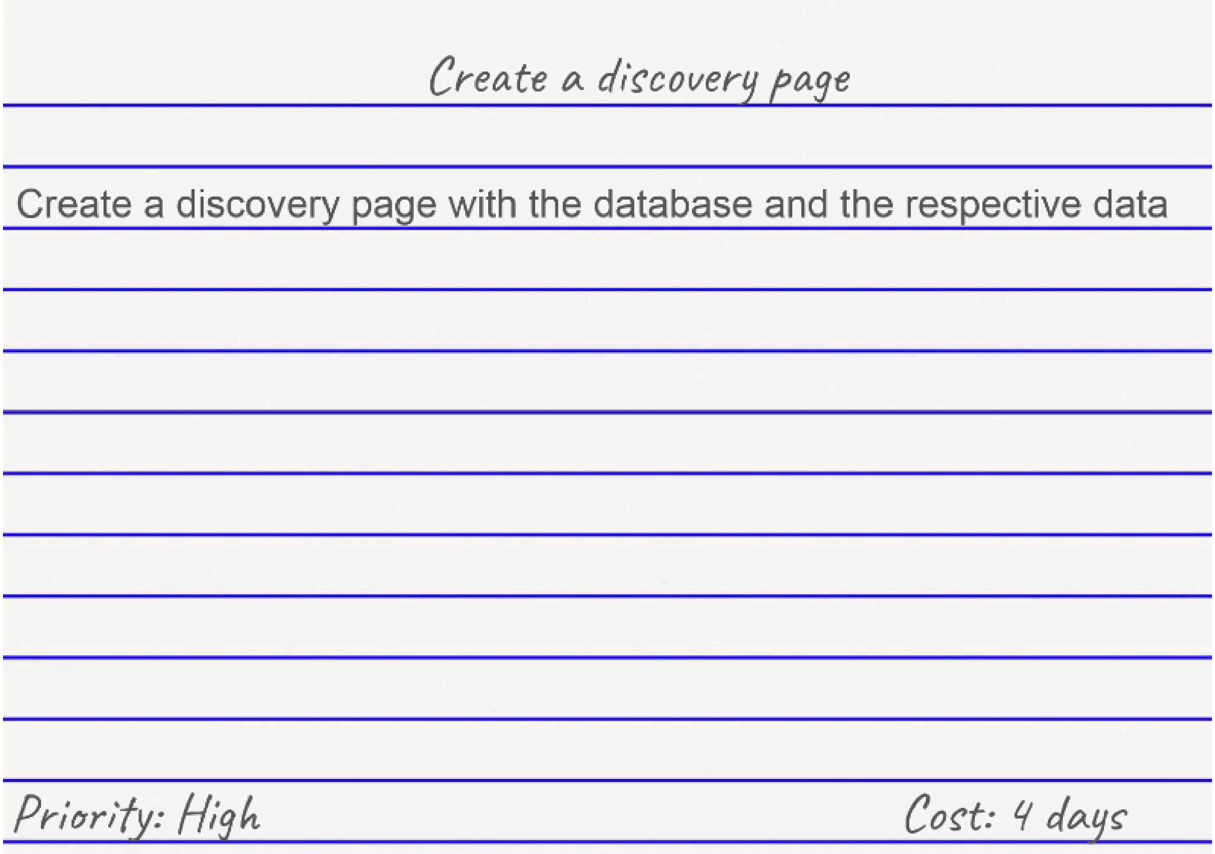
  Priority: Medium
  Cost: 3 days

  (Done by Gjergj and Rythem)

- **Error Handling and Validation** Add error handling mechanisms to manage invalid inputs during registration and login. Display user-friendly error messages when incorrect information is provided.

  Priority: High
  Cost: 2 days

Iteration 2 User Stories



Create a discovery page

Create a discovery page with the database and the respective data

Priority: High

Cost: 4 days

Work more on the movie page

Find a way to implement images with the dataset

Priority: Medium

Cost: 3 days

User page

Create a way for users to add movies to a list

Implement a GUI

Priority: Low

Cost: 5 days

Updated Iteration 2 Stories:

- **Create Discovery Page** Implement a discovery page that allows users to browse movies using search filters such as genre.

  Priority: High
  Cost: 3 days

  (Done by Gjergj)

- **Enhance Movie Page** Add movie posters to the movie page using image URLs or an external API. Ensure the movie page displays detailed information such as director, cast, and synopsis.

  Priority: Medium
  Cost: 3 days

  (Done by Gjergj and Rythem)

- **Create User Page** Develop a user page that allows users to view and manage their movie lists, profile information, and achievements. Users can access their watched, plan-to-watch, and dropped movie lists. Users can delete their account and change their account name

  Priority: Low
  Cost: 5 days

  (Done by Gjergj)

- **Movie Data Validation** Ensure that the data displayed on the movie and discovery pages are accurate by implementing data validation for the SQLite database.

  Priority: Medium
  Cost: 2 days

  (Done by Gjergj)

- **Implement SQLite** Ensure that SQLite is fully integrated for managing movie data, user information, and reviews.

  Priority: High
  Cost: 2 days

  (Done by Gjergj)

Iteration 3 Stories:

Implement SQLite

- Implement SQLite so it's easier to access the app on any device.

Priority: High

Cost: 2 days

Add Images to movie page

- Find a database with url for the poster or create a dataset with poster url
- If possible implement an api.

Priority: High

Cost: 4 days

Implement reviews into the UI

- Write reviews from the movie page
- Save in a .dat local file
- Read from the file and display to other users
- Add a userId, rating and comment

Priority: High

Cost: 3 days

Implement badges

- Using the model Badges, implement badges into user ui.

Priority: Medium

Cost: 2 days

Implement lists for movies and favorite movies

- Implement lists for users (watched, plan to watch, dropped) and favorite button into movie page
- Link that to user page to show the movies

Priority: High

Cost: 4 days

Implement User tests for all the model

- Add additional user tests for new methods

Priority: Low

Cost: 3 days

Updated Iteration 3 (ITR3)

- **Add Movie Images** Integrate external APIs or use URLs to display movie posters on the movie page.

  Priority: High
  Cost: 4 days

  (Done by Gjergj)

- **Implement Reviews** Enable users to write, view, and manage reviews on movie pages, storing them locally in SQLite.

  Priority: High
  Cost: 3 days

  (Done by Rythem)

- **Implement Badges** Gamify the user experience by awarding badges based on their movie-watching activity.

  Priority: Medium
  Cost: 2 days

  (Assigned to Andy, unimplemented)

- **Implement Movie Lists and Favorites** Allow users to add movies to Watched, Plan to Watch, and Dropped lists, and mark movies as favorites.

  Priority: High
  Cost: 4 days

  (Done by Gjergj)

- **User Tests** Conduct user testing to ensure all new features are functional and bug-free.

  Priority: Low
  Cost: 3 days

  (Done by Andy and Sarah, unfinished)

- **UI Preference Changes:**Users can change the look of the appl

  Priority: Low
  Cost: 1 Day
  (Done by Suneel)

Stories Not Implemented:

- Direct Messaging
- Badges
- Personalized Recommendation based on watched
- Tracking movie progress
- Password recovery
- Searching based on Director, Actor/Actress
- Cast member page.
- Imdb, rotten tomato reviews

Many features and user stories were missing due to the lack of contribution and work from the group members Suneel, Sarah, and Andy.