Media Tracking Website

Team Number: Group 1

Team Members:
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Video link (meeting with customer):
https://youtu.be/XXKfWaKtbEY

Customer meeting summary:
We met with Emily (our customer), and she requested a show tracking application. The customer also requested the ability to favourite certain shows and have those shows appear on a different page. The customer also requested the feature to receive updates based on their favourite media list regarding any new seasons, and new episodes that are coming out.

The customer also mentioned that she would like the ability to rate the shows and then have an interactive discussion with other customers regarding those shows. According to the customer "After watching an episode, I feel like commenting. I want to join a discussion about its plot."

One concern that came up was the frequency that the data would be updated at and how recent this data would be. We mentioned that since the information found on the website, is manually entered by one of the members of this group, it is not getting automatically pulled from any open-source movie database (such as Netflix, Disney, or Amazon Prime). For that reason, there might be a slight delay in getting the latest shows and releases.

Vision Statement
Overview of the app:
The Show/movie Tracking web app is designed for users who do not have streaming subscriptions but would still like to know about upcoming movies/TV shows. The web app provides an in-time notification up to their preference, recommends trending shows on major streaming platforms like Netflix, Prime, etc., and gives users a thread-like comment place that allows users to develop deep discussions to share their thoughts with friends or people who are also into the shows. It also functions as an integrated hub that saves users the trouble of jumping from one platform to another.

User type definition, what the users should do with the app:
Users can add their favourite shows to a watch list and receive updates about new seasons and episodes. The notifications can be customized in terms of frequency and method of communication according to the user's preferences. Based on their tags, users will also be receiving personalized show recommendations. In addition, the website offers a personalized experience, enabling interactions like comments and discussions with fellow users directly under each show or movie. To summarise, our website is a platform that allows customers to rate shows, stay informed about release dates, and immerse themselves in a comprehensive show-tracking experience.

Give different types of users access to certain parts of the app/least privilege principle:
Administrators and users will have different types of access. For example, users will be able to comment, rate, subscribe, and discuss shows/movies with other users. Administrators manage user accounts, restrict/unrestricted access, and import data from content distribution centres.

What does each part of the app do: Users can sign up for an account using their email, username, and password. The app will send a verification email to the new user to verify their account. There will be a "Forget My Password" link to reset their password. In this case, the user can type in their email and the app will send an email telling them to reset their password. After logging in, users will be able to see recommended/high-rated shows/movies from different content distribution centres on different tabs. Users have the option to link their content provider (e.g. Amazon Prime, Netflix, Hulu, etc.) to this app, tracking their recommendations for easier convenience. Watchlists can be made to sequence movies the user will be watching. These can be modified to the users' preference and the users can make multiple of them. Subscriptions on shows/movies will be available with in-app/email notifications to remind users when they come out.

Unique feature/selling point:
This application will feature a forum where users can rate, discuss, and critique movies they have watched. Personalized graphs will be created depending on the users' watch history.

Success Criteria:
There are three indicators to evaluate the performance of our project. First, if the users have recommended this application over their current show/movie tracking app by filling out a survey. Second, the ratio of users who refer this application to their friends. Third, the percentage of users who have been using the app.

Big User Stories and User Stories

For Login Page:

- As a new user, I want to create an account so that I can personalize my experience and access the platform's features
- As a registered user, I want to log in with my username/email and password so that I can access my account
- As a user who forgot their password, I want to be able to initiate a password reset so that I can regain access to my account

For Rating Shows:

- As a registered user, I want to share my feedback about the shows by rating them according to a star rating system
- As a user who enjoyed the show, I want the option to leave a written review along with my rating, to provide a more detailed feedback
- As a user, I want to ability to edit or delete my previously submitted ratings and reviews in case I make a mistake or my opinion changes
- As a user, I want to see an average overall rating for each show, calculated based on user ratings, to have a clear idea of the overall popularity and quality of the show

For Analytics Chart:

- As a user who enjoys exploring different genres, I want a history chart to visually represent my liked shows categorized by genres, helping me identify the patterns in my preferences
- As a user who values statistical insights, I want the history chart to include the average rating of liked shows, providing a summary of the overall quality of my preferences
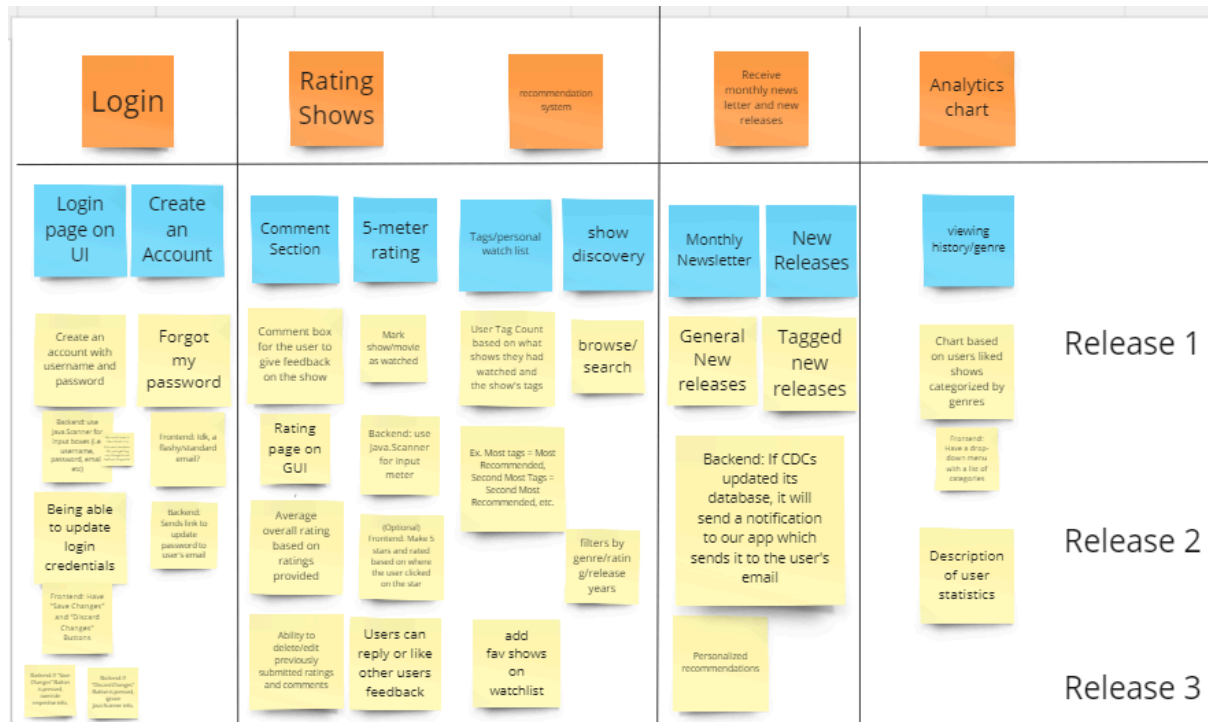
For recommendation system:

- (Big user story) As a user, I want to receive personalized show/movie recommendations based on my viewing history so that I can discover shows that align with my interests.
- (Detailed) As a user, I want to filter recommendations by genres, ratings and release years so that I can find specific types.
- (Detailed) As a user, I want to search for certain shows/movies so that I can add them to my watch list.
- (Detailed) As a user, I want to see the trending shows on Netflix/prime etc platforms so that I keep up with the popular content.

For monthly newsletter:

- (Big user story) As a user, I want to receive a monthly newsletter so that I can stay informed.
- (Detailed) As a user, I want to receive timely notifications of updates for my favourite shows so that I can watch them.

User Story Map

Orange - Big User Story
Blue - Smaller Stories
Yellow - Iteration, what work should be done for each iteration

Big user story and user Story

Login Page
As a new user, I want to create an account so that I can personalize my experience and access the platform's features
Priority: High
Cost: 2 days

Login Page
As a registered user, I want to log in with my username/email and password so that I can access my account
Priority: High
Cost: 3 days

Login Page
As a user who forgot their password, I want to be able to initiate a password reset so that I can regain access to my account
Priority: High
Cost: 4 days

Rating Shows
As a registered user, I want to share my feedback about the shows by rating them according to a star rating system
Priority: Medium
Cost: 2 days

Rating Shows
As a user who enjoyed the show, I want the option to leave a written review along with my rating, to provide a more detailed feedback
Priority: Medium
Cost: 12 days

Analytics Chart
As a user who values statistical insights, I want the history chart to include the average rating of liked shows, providing a summary of the overall quality of my preferences
Priority: Medium
Cost: 8 days

Trending Shows As a user, I want to see the trending shows on Netflix/prime etc platforms so that I keep up with the popular content. Priority: Medium Cost: 7 days	**Receive Personalized Recommendations** As a user, I want to receive personalized show/movie recommendations based on my viewing history so that I can discover shows that align with my interests. Priority: High Cost: 9 days	**Filter by Genre** As a user, I want to filter recommendations by genres, ratings and release years so that I can find specific types. Priority: Medium Cost: 7 days
Show Updates As a user, I want to receive timely notifications of updates for my favourite shows so that I can watch them Priority: High Cost: 4 days	**Show monthly updates** As a user, I want to receive a monthly newsletter so that I can stay informed. Priority: Low Cost: 5 days	

For Iteration 1 these are the user stories that are implemented:

- Mai: Implemented The Netflix "Discover Weekly" page where users can search for a certain show from Netflix.
  - (Detailed) As a user, I want to search for certain shows/movies so that I can add them to my watch list.
  - (Detailed) As a user, I want to see the trending shows on Netflix/prime etc platforms so that I keep up with the popular content.
- Elizabeth: Implementing the login page
  - As a registered user, I want to login with my username/email and password so that I can access my account
- Anusha: Implemented the Forgot Password Function
  - As a user who forgot their password, I want to be able to initiate a password reset so that I can regain access to my account
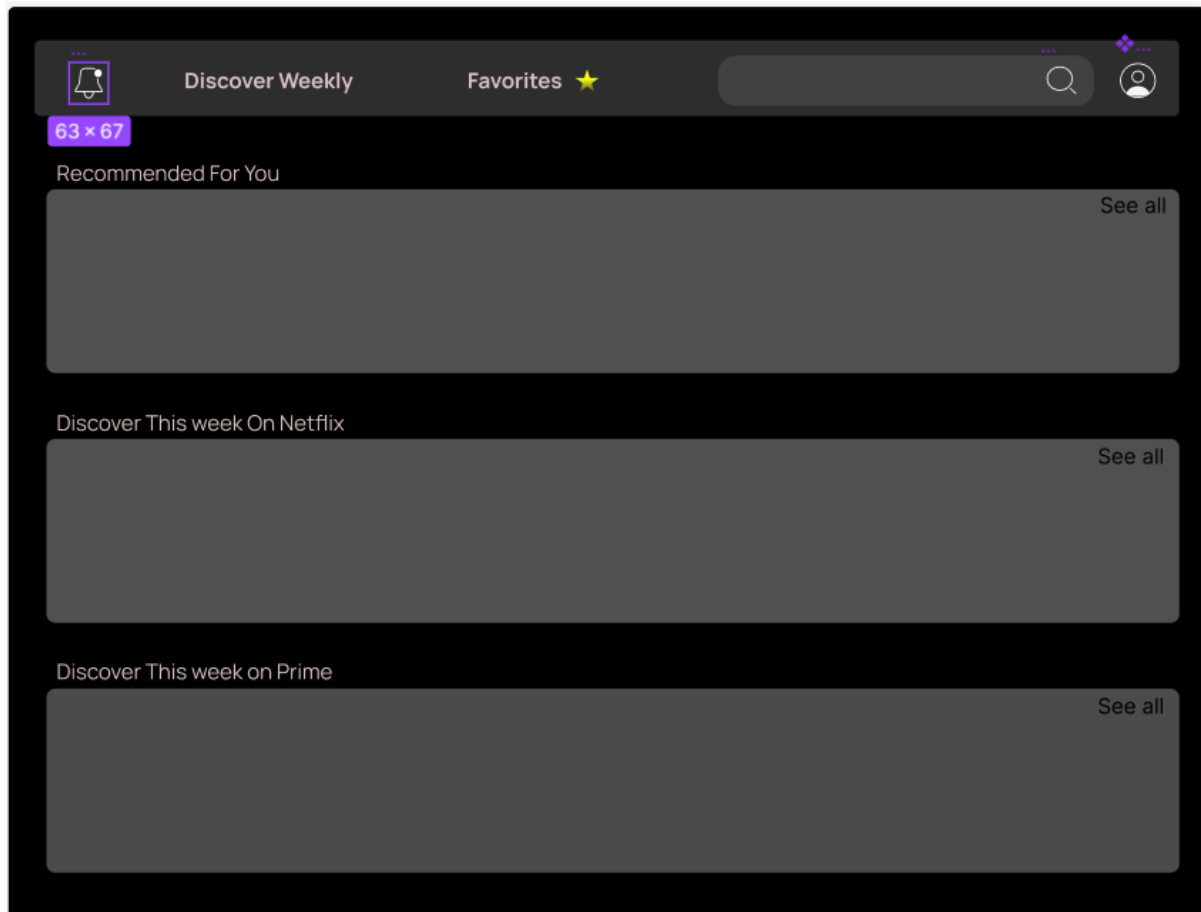
    Changes in ITR 1 - was not able to add the send email with the new verification page feature.

- David: Implemented the Favourites Page
  - As a user, I want to filter recommendations by genres, ratings and release years so that I can find specific types.

    Changes in ITR 1 - could not connect to database so hard coded instead

- Shreya: Implementing the dashboard with all the different pages
  - As a user, I want to have an overview of all the tabs and the information provided by the application on one page to navigate to and from
- Huiling: Implementing the detailed page for each entry
  - As a user, I want to see the show description, genres, release date, cast, director, and similar shows.

Planning of the design on Figma, this is how we expect our dashboard to look for the final design

Changes in ITR1
- Originally we wanted the favourites page to connect with the database but due to the time constraint we were not able to achieve this. So, instead everything is hardcoded in this section of the code. Due to this the Charts are waiting to be implemented because this is dependent on the favourites page. Connection to the database in terms of Favourites page and the charts will be done in ITR2 instead.
- For the Forgot password functionality we planned to send an email to the user to send them their new verification code but we were unable to implement this again due to a time constraint. So this was moved to be completed in ITR2 instead.