High-Fidelity Prototyping

Group #1

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Description

MovieMatcher is a platform for helping friends decide what movies they want to watch as a group. To do this, we took inspiration from apps such Instagram and Tinder. The main selling point of the app is the ability to easily decide if a user wants to watch a movie, and have it updated in the preference of the group.

The flow of this app is as follows. Log in / sign up. Your profile will be where you can see and manage your liked genres, movies and tv shows. The function of these likes will be added to the watchlist of all groups you are a part of. Next you can add, manage, and view friends by username in the friends tab. Similarly you can create, join, and view your groups from the group tab. Once you are in a group, you can manage the members, see your watchlist, see your group likes, and vote on media. Once you vote on shows and movies, it will be reflected in the groups' liked media if multiple people in the group like a movie. The movies will appear in order of most liked. Lastly, you will be able to manage app preferences from the app settings tab.

We built this prototype using React as a front end and github for version control. With the use of branching we were able to collaboratively work as a team in parallel. Our focus was on implementing the core functional requirements gathered in milestone one with regards to our user research while maintaining design principles.

Horizontal

Our Horizontal Prototype includes the following list of features:

- Landing Page
  - Login Form, Sign Up Form
- Navbar
  - Including Tabs for the Profile, Friends, Discover, Groups and Settings Tabs.
- Profile Tab
  - Current User's profile
  - Friend's profiles
- Friends Tab
  - A Search Page
  - An Add Friends Box
  - Filter Search Bar
  - A Table of friends which let you see your friend's profiles
- Group Tab
  - A Search Page
  - Filter Search Bar
  - A Create Group Function

Group #1

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- ○ Join Group Function
- ○ Notifications Button
- ○ Group Profile Page
- Discover Tab
  - ○ Like Movies based on your group
- App Accessibility Settings
  - ○ Various Accessibility settings to tailor end user experiences
  - ○ Implemented Light/Dark Mode Toggle

Vertical 1: Discover Page

- You have the option to get to the discover page via two different ways. One is from the navbar at the top. Once there you will be prompted to select which group you are choosing for. The other is from the group profile page directly. If you click the vote from this page it will take you directly to swiping for that respective group.

- If the user has spent too long on the page (5 seconds) without input, then an instruction pop up appears. We did this to help the user (Learnability) and hope that the swiping action is intuitive enough after the fact so as to not warrant a repeat instruction.

- Icons appear when picking up the card. A checkmark for accepting direction, an X for rejecting.
  - ○ On desktop, they move outwards in a way that hopefully (subconsciously) reminds the user to move the card in an outwards direction to make a decision.
  - ○ On mobile, they appear from the direction to swipe, and are overlaid above the card.
- If letting go of the card while dragging would result in an Accept/Reject, then the background of the application changes color, green for accept, red for reject.
  - ○ Future plans would include having specific themes for colorblindness, which would change the colors to different ones. The icons are an additional metric of describing what the action does.

- On Smaller screen heights, we hide less important information and shrink the poster on the card to fit the card on the screen.

- The user does not actually need to swipe on the card, but can swipe on the background. This makes it more accessible and simplifies the experience

- Once a selection for movies has been made, it will be reflected in the group's "Liked" section if the majority of the members have also liked this movie/tv show.

- The Last Action can be undone by clicking the undo button at the top left of the card. This will bring the last piece of media back and remove it from the user's liked (if it was liked already).

Group #1

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Vertical 2: Friends Page

- The friends page lists all friends of the current user.
- A search filter is present for quicker navigation
- Each friend is displayed with their username and profile picture
- You may click anywhere on a friend's "row" to view their profile. Their profile will be very similar to your own.
- An add friend button is also present. It allows you to add a friend by username. The user has to already have an account. Trying to add someone who doesn't have an account will not work. (Try Alex, Kiara, Emma, Grace).

Vertical 3: Group Page

- The group tab shows all groups a person is a part of.
- Has a search bar for easy navigation.
- You can create a group, or join a group via a group code or your notifications here as well.
- If The User has unopened group invitations, the notification icon will change and shake periodically. It will also be red. If the user does not, then it reverts to a normal notification icon.

Group Page

- The Group will display the number of members at the top of the page under its name.

- The members can be viewed by either pressing the 'View Members' button or by clicking the displayed Profile Picture of the first 4 group members.

- When in the members popup menu, you can view a member's profile page by pressing either their name or their profile picture. You can also remove members here too

- The group page will display the watchlist, as well as liked movies, with the members that voted on each respective movie.

- You can also navigate directly to your group's voting page.

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Careful Design

Each page was specifically designed with light/dark mode theming.

We also took careful consideration as to make sure the app functions and is usable on various device types and screen dimensions. This is done by reordering certain elements from row-wise to column-wise on lower screen sizes, Resizing text and spacing, or hiding certain elements that aren't truly important. One can go through the developer tools (F12) and test out mobile views, as well as different screen dimensions. At the lowest-end, we test for a small mobile screen - meaning a dimension of 320x662. We also test for all screen widths larger than that.

Anything that is clickable, be it text or a picture will change the cursor from the default 'triangle' look to the pointer. This gives a subconscious indication to the user that they can press it.

Tooltips were applied to all icon buttons, so hovering over it (or holding on Mobile) will tell the user what the button will do if they press it.

Each popup includes an X to close out of the menu. Clicking anywhere outside of the pop-up menu will close the menu as well.

Known Issues

1. You can log in with any username and password (blank inputs work as well)
2. The Swipe Page's Swipe Card is sometimes laggy on lower-end devices.
3. The Notification shake on the Group Search page will not remember if you opened it before when you open the page. So if you didn't accept all the invites, you will get the notification shake.
4. App Settings don't work, with the exception of Light / Dark Mode Toggle (Indicated by the ***)
5. The Light/Dark mode toggle is incorrectly labeled, it should be 'Enable Dark Mode' for clarity. However, this is not a huge deal since you can just see if you're on dark mode.
6. Movies cycle multiple times, since the order is randomized on page load and we have a limited number of data points.
   a. A consequence of this is that you can undo a 'rejection' of a movie, and if that movie was previously 'accepted' as 'liked' at an earlier time it will still remove it from your likes, even though you rejected it this time.

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Appendix