Project Documentation Template

Project Overview

- **Title**: Final project, Flixio. Submitted on June 4th 2025
- **Introduction**: An online streaming service app
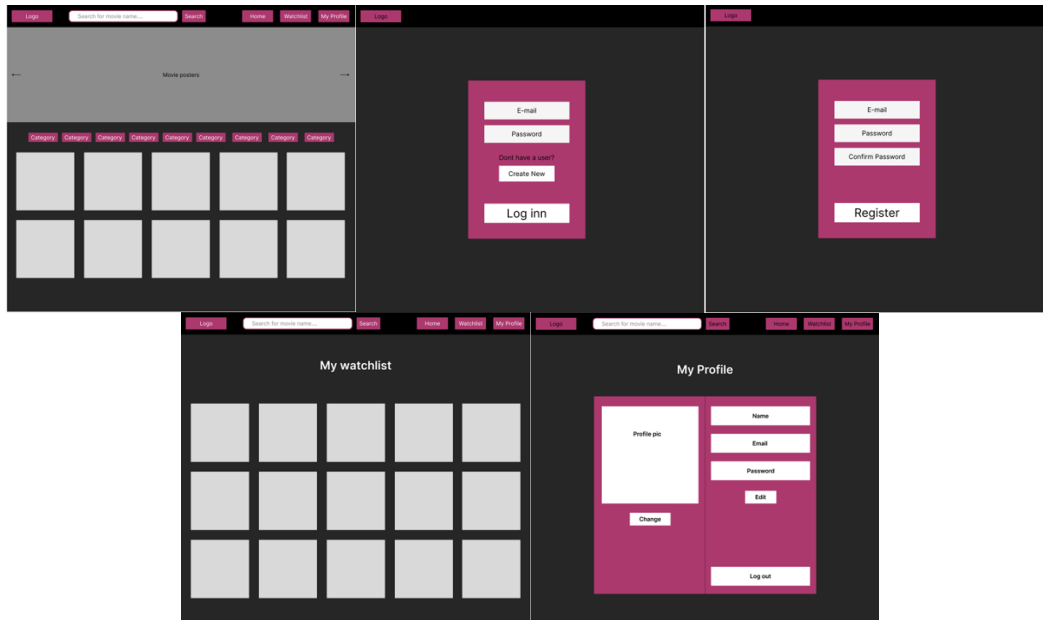
Project Requirements

- **Features List**: The main features of the app includes; Registration, a customizable profile section, changing password, Firestore logging all user information like favorites and profile info. Detailed movie cards, filtering and search functionality.

- **Technology Stack**: The main tools and technologies I have used in this project is Vanilla JavaScript, CSS, HTML, React, Vite, Several API´s and Firestore to save data.

Design and Planning

- **Wireframes or Mockups**: Below is my Figma prototype link, and some pictures of it.

  My Figma Prototype:

  https://www.figma.com/design/DBaSpFVwLgRmiyVYUMYOQY/Final-Project-frontend?node-id=2-162&t=KoMsnZvWKWveGHjt-1

Development Process

- **Challenges**:

  I had quite a lot of problems with the profile section, getting the elements placed right and still be functional took me quite a while. When I was adding the responsive design, all the buttons would suddenly move to completely wrong positions, and I could not figure out why. Turned out it was the container for all the components that was too short when the text started wrapping, and so I had to change that. The change password section was also quite troublesome. At first it didn't work. Turned out I had placed some code in the wrong order. And then I also had to add all the requirements that the register form has, so it just took me quite a while to get it all working and in order. Same with the avatar section. I have never done any avatar things, so I asked chatGpt for help. This isn't always super helpful since it doesn't always understand what you want help with, so it took me a while to get it the way I wanted, and to understand how to get it the way I wanted.
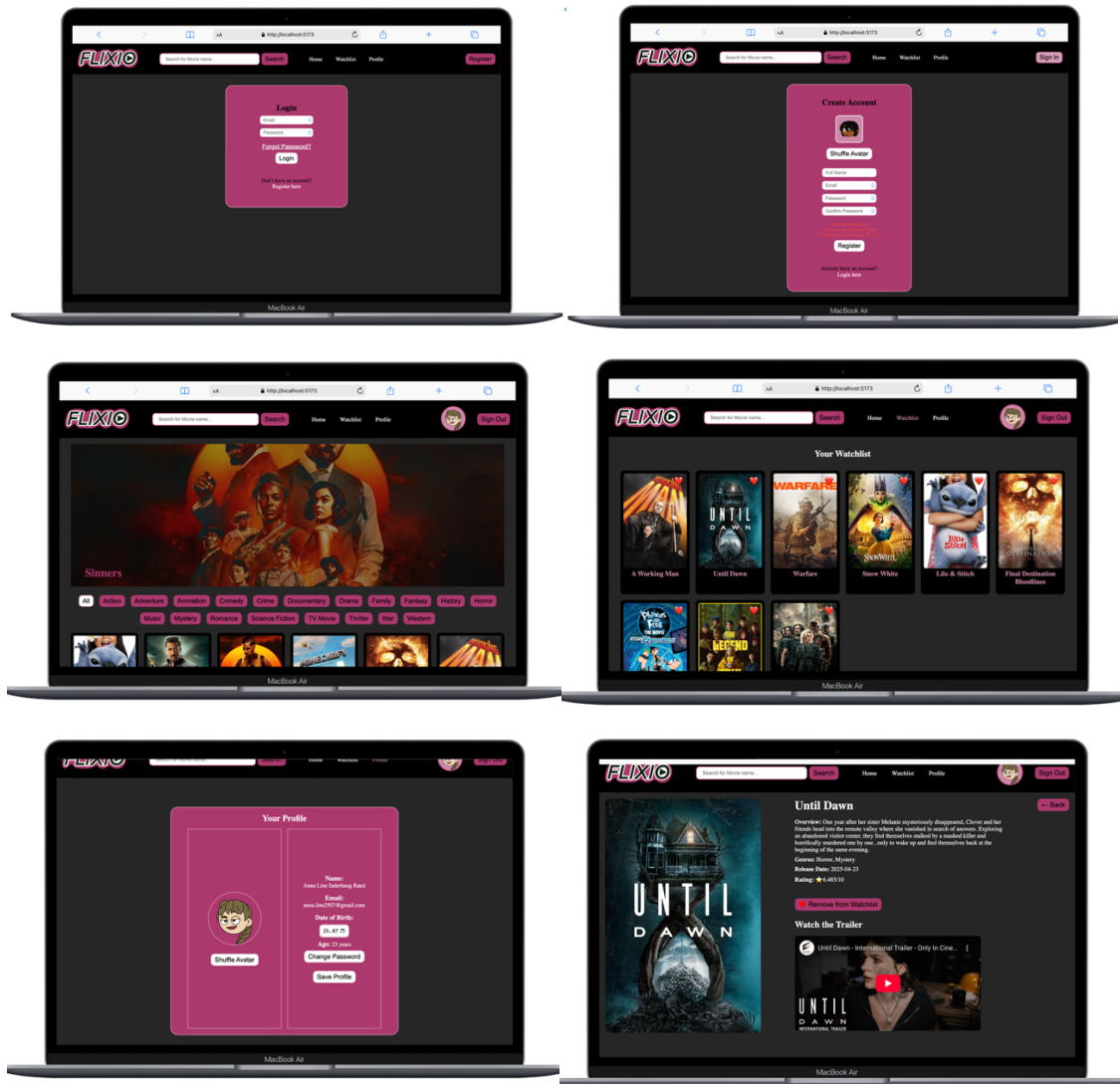
Testing

- **How You Tested**:

I have done testing in the browser, in the Netlify link and on mobile view. I basically just spammed the page with a bunch of pressing buttons super fast and logging in and out several times and making the page smaller while pressing buttons, and changing password several times. I tried to overload the page to see if it would crash.

- **Bug Fixes**: Mention any significant bugs you found and how you fixed them.

  I had quite a big bug with the change password link in the log in form. It occurred when you had used the link to change your password, and then every time you logged in after that it would still send you a log Inn link. I could not figure out why it would send me the link every time, when I was not pressing the link. Turns out that was also an error with how I had placed some of my code. I am hopeful that it works now, when I test it, it seems that it doesn't send it at this point, but I have also experienced that it sometimes just randomly sends it. Haven't had it happen for a while now though, so fingers crossed. But that is a pretty annoying bug.

Final Product

- **Screenshots**:

- **How to Use**:

  To use the app users must first register or log in to access the content of the app. Inside the main section of the app users can filter the movies based on their categories. They can also search for a specific movie using the search functionality. To find more information about a movie users can click on the movies poster to open a detailed movie page. On this page users can watch the movies trailer and add or remove the movie to their watchlist. They will then be able to find the movie under the watchlist page. On the profile page users can change or edit their profile. They can change their avatar, their date of birth and their password. To exit the app the user can press the log out button in the navbar, this will then take them back to the sign in/register page.

Reflection

- **What You Learned**:

  I have become much more comfortable with using React, I understand a lot more what component based architecture is and how to use it. Like reusing buttons and modals. I have learned how to implement avatars and have gotten more experience with using API´s. I have learned how to use Firestore, and how to save data to Firestore. I have learned how to use Link to send users to different pages and I have learned how to use strictMode to keep selected pages away from users that aren't logged in.

- **Future Improvements**:

  If I had more time I would have liked to add a functionality for marking the movies as seen, and then having maybe a new section under the watchlist with movies that have been marked as seen. I would also have liked to add the possibility to give a movie a thumb up or down in the detailed movie page. And then save the review to that specific user, so that the streaming service later could recommend movies based on the users likes or dislikes. I should also have added some gradient or something to the movie title in the banner. It sometimes disappears a bit when the background is similar to the font color.