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Assignment 2 A* Part Design Report:

Introduction:
The cool feature that implemented is a watchlist management system.
- A signed in user can view/add/remove a movie to their watchlist
- If a user presses the "Watchlist" button (in the navigation bar) or the "Add to Watchlist" button (in the movie page) while not logged in, they will be redirected to the login page.
- A logged in user can add a movie to their watchlist by navigating to the movie that they wish to add to their watchlist, click the movie, and click "Add to Watchlist".
- If the movie is already in the user's watchlist, then the "Remove from Watchlist" button appears instead of "Add to Watchlist", which they can click to remove the movie from their watchlist.
- To view a list of movies that has been added to a user's watchlist, a logged in user should click on "Watchlist" on the navigation bar on the left.

Key Design Decisions:
- I made it so that a user has to be logged in (instead of using cookies) in order to view, add, or remove a movie from their watchlist so that we are able to authenticate the user and point to the correct watchlist that belongs to the user. This applies especially on shared computers.
- I decided to show only one button, "Add to Watchlist" or "Remove from Watchlist" instead of showing both button at once in the movie page. This makes the movie page look more professional. The users will also be able to know if the movie is already added to their watchlist without going to their watchlist page by observing if the button is an "add" or "remove".
- I implemented a foolproof design which disables user from adding a same movie into their watchlist multiple times although the user will not be able to add the same movie into their watchlist multiple times (because the add button turns into remove). This is because the user's connection with the host may lag and make it possible for users to press "Add to Watchlist" multiple times before it turns into "Remove from Watchlist".
- When a user is writing a review, I removed the "Add to watchlist" button so that the user has more space to write their review while being able to see the movie information such as descriptions and actors. Although this may look weird when you are writing the first review for the movie, it actually helps a lot especially when the movie already has several reviews. This will also greatly benefit users who are accessing the web app from a small screen or device.