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INFO 1998

### Web Dev Final Project Milestone Description

Our Git repository is at <https://github.com/petecao/web-dev-final-project>.

Our project will be a stock watchlist app. We plan to include login/register functionality to accommodate different users. Users will be able to create their own stock watchlist, as well as simulate buying and selling of their own stocks.

On the backend, we have a many-to-many relationship between the users and the stocks. This is such that each user can have many stocks, and multiple users will also be able to have the same stock. The user database would have the time and date of creation as well as the money that they have left to spend. The stocks database would include details like stock name and price. There will also be a join table between the user database and stocks database. We also want to have a field which tells us how many of each stock the user has bought. We can also connect the backend to an external api to get the stocks and their information.

On the frontend, we have multiple pages. We have a welcome screen, a login screen, a register screen, a main screen, a search screen, and a search results screen. Our mock pictures include a more detailed layout for each screen, as well as the navigation between the different screens. The welcome screen has buttons to log in as well as sample stocks. The registration and log in screens allow the user to register/log in, respectively as well as the option to use Google OAuth. If the user forgot their password, they have the option to reset it. On the main screen, we have the user's total profit, their watchlist, and also the stocks they have "bought." Finally we can search for stocks and have a search results screen that shows stocks that we have.