Suspenseful Lukewarm Hats - Jun Hong Wang, Ravindra Mangar, Aden Garbutt, William Guo
SoftDev pd7
P01: ArRESTed Development
2022-12-02
Target ship date: 2022-12-19

F.E.F Chosen: Bootstrap
- We chose to use bootstrap because it is more comprehensive with it's labeling allowing us to clearly differentiate what we are working with
- Also has brighter colors for alerts, badges etc (aesthetics, just looks better)
- Intend to use the navigation bar from bootstrap as well as cards for organization and showcase of movies

APIs:
- [MyAnimeList API (beta ver.)](#)
- [Netflix Roulette: What Should I Watch? | Reelgood](#)
- [Watchmode - Streaming Availability Metadata API for Netflix, AppleTV+, Disney+, Hulu, HBO Max, Prime Video & more](#)
- https://serpapi.com/search-api
    - Basically inputs stuff to google search and it returns json data of that page
- http://www.omdbapi.com/

Necessary Components:

- Login Screen + Account Registration (login + logout)
    - Login in using username and password
    - Create new account
    - Logout button
- Home Page
    - with a "give me a recommendation" button, that gives you a randomly generated film (completely random)
    - A search bar that allows you to search movies by title
- Pages for movie, shows, animes we display
- Nav bar (at top of all pages)
    - includes different categories of movies in dropdown menus
- Search bar (at top of all pages)
    - Look for specific movie titles in APIs
- Backend databases
    - Account information, saved movies of user, user preferences

Priority:
- Functioning navigation bar with different genres
- Login information
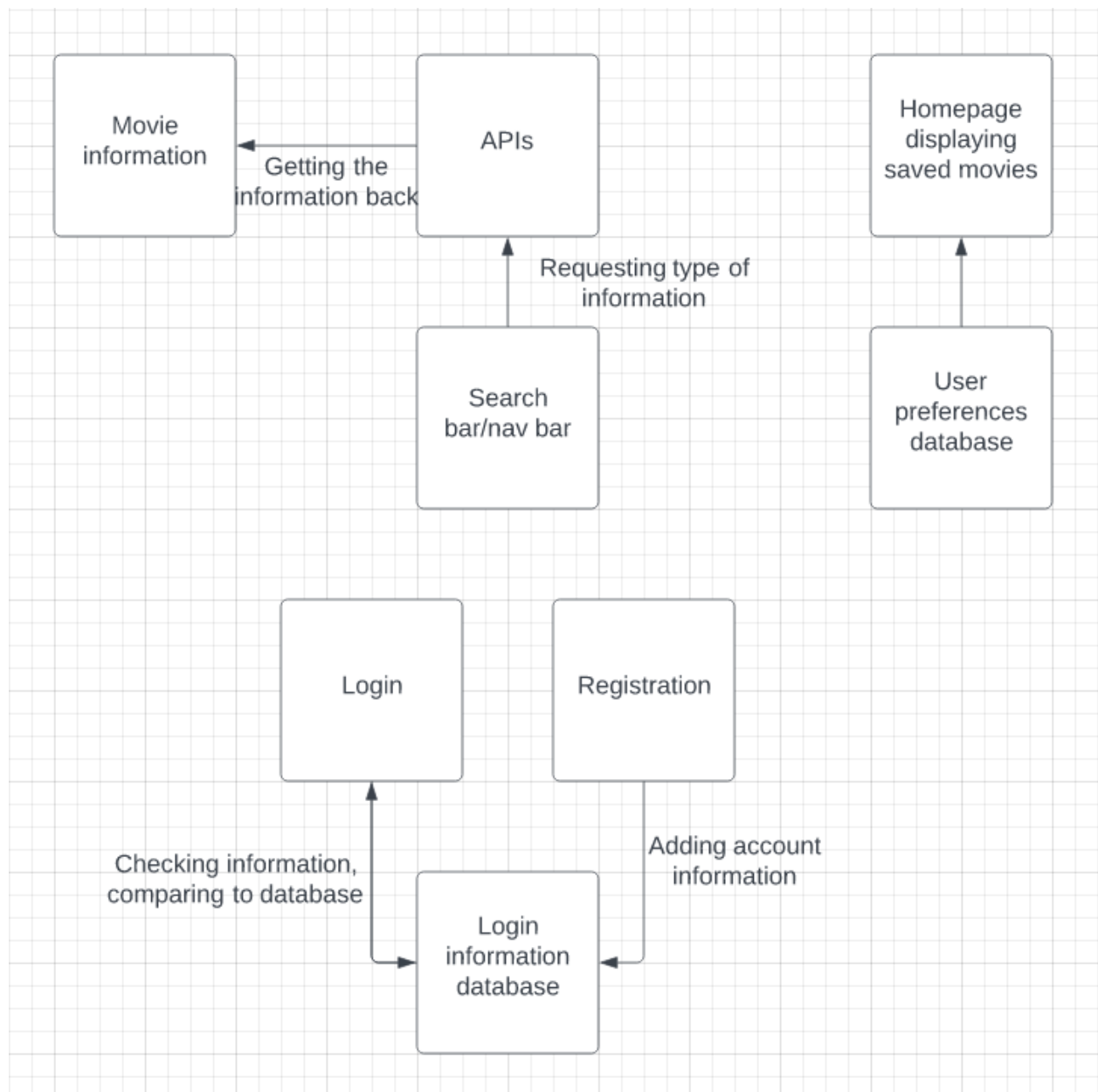- Cards with movie information taken from APIs
Reach goals:

- User preferences like dark mode/light mode
- If API allows, getting information about local showings of a movie

Relationship between components:

- If you have an account, you can login in using username and password which will take you into the home page
    - If not, it takes you to new page to register new account then redirects to home page as well
- Home page contains a navigation bar with a drop down feature containing the different genre of films that the APIs contain
    - Redirects to page with all movie titles showcased in card with poster
- Search bar allows users to search movie by title and then displays the movie information (image, casts, reviews etc)

Component Map:

Search results will show up in cards, and incomplete queries should still work

Organization:
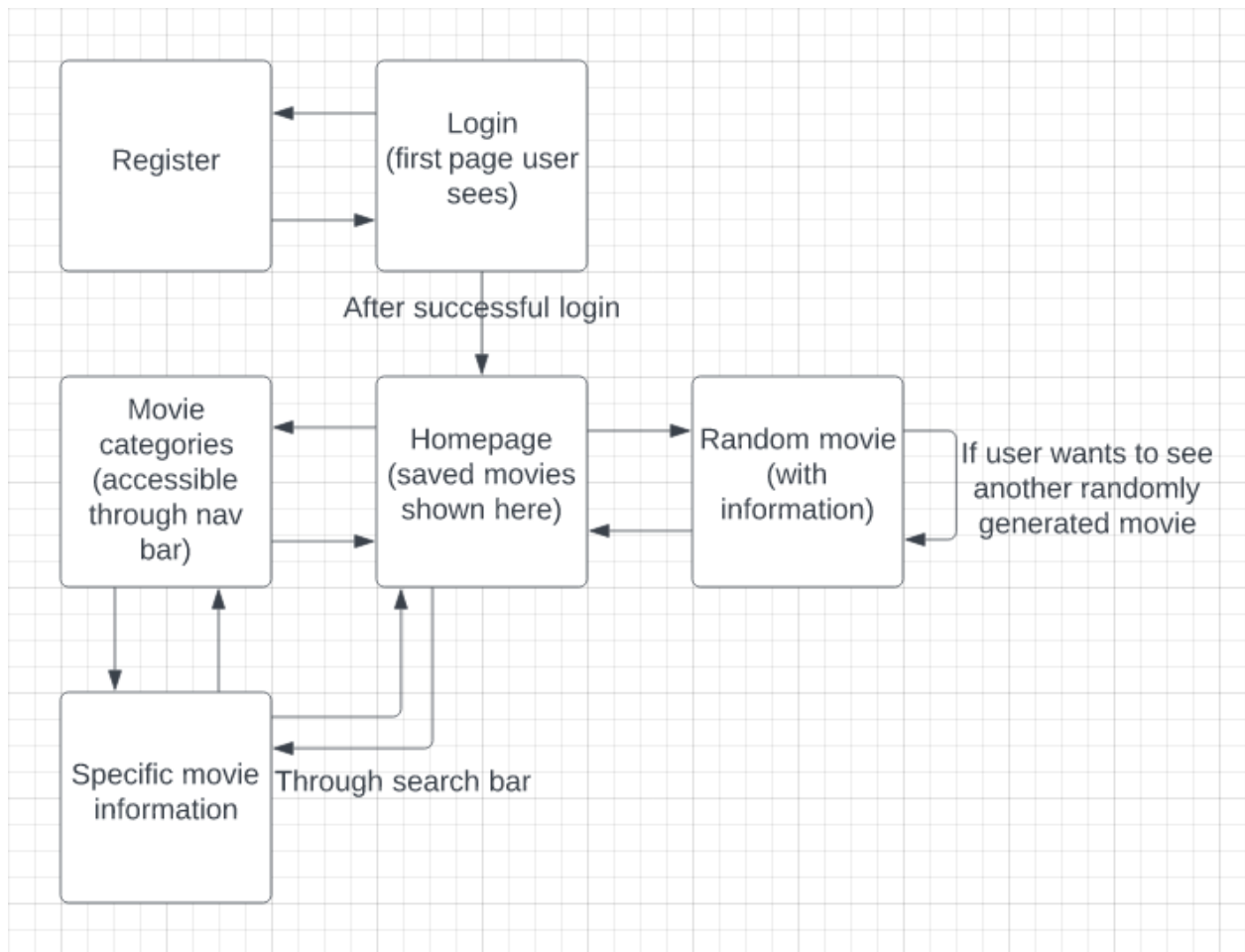
- 2 database;
  - Login with username and password

Username (TEXT_UNIQUE)	Password (TEXT)

- Username and passwords stored in two column table so when user logs in, it can verify if password matches (possibly hashed if time permits)
- List of saved movies from user

Username (TEXT_UNIQUE)	Movies (TEXT)

- Saved movies are in a long string of text, can be easily converted to a python list

Site Map:

Movie results when selecting genre will be sorted alphabetically.

Assignments (pretty flexible):

Jun Hong: PM (and helping out wherever there's trouble)
Ravindra: Databases
William: Bootstrap Styling and CSS (make website look cool)
Aden: connecting forms with python
All: Familiarity with the APIs, knowing what's happening in the program (but specializing in their assigned roles)

Schedule:

- **Project due 12/23, presentations start 12/21**
- V0 design doc due 12/6, with updated design docs every time design shifts considerably
- Initial website skeleton by 12/9
- Bootstrap & CSS in place 12/14 (at this point we should have a minimum viable product, presentable, but not with every feature we want)
- Cleaning up 12/16-19
- Final preparations 12/19-12/21 (any final touches, last minute bug fixing, practicing demonstrating)
- Everything done by 8am 12/21

Bootstrap stuff to use:
- Colors (https://getbootstrap.com/docs/5.2/customize/color/)
- Cards for movie poster
    - Collapse (js) with information, so when the card clicked, movie info shows ups?
- Carousel for funz, maybe most popular movie so far? Newest release?
- NavBar(diff genre with integrated search)
    - Js Navs and tabs so that when you switch, it highlights which tab you on?