

Suspenseful Lukewarm Hats - Jun Hong Wang, Ravindra Mangar, Aden Garbutt, William Guo
SoftDev pd7

P01: ArRESTed Development

2022-12-22

Target ship date: 2022-12-21 (demo-worthy product), 2022-12-23 (final product)

Idea: Movie search and showings

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 \(beta ver.\)](#) (needed oauth2, so scraped)
- [Netflix Roulette: What Should I Watch? | Reelgood](#) (not used)
- [Watchmode - Streaming Availability Metadata API for Netflix, AppleTV+, Disney+, Hulu, HBO Max, Prime Video & more](#)
- [Google Search Engine Results API - SerpApi](#)
 - Basically inputs stuff to google search and it returns json data of that page
- [OMDb API](#)

Necessary Components:

- Login Screen + Account Registration (login + register)
 - Login in using username and password
 - Create new account
 - Logout button on all pages
 - If user already logged in, redirect to home page
- Home Page
 - A search bar that allows you to search movies by title, showing information like a poster, plot summary
- Pages for different genres of movies, shows (ie anime) we display
- Theater page including location and showtimes
- Nav bar (at top of all pages)
 - Links to different functions and features of website
- Search bar (in home)
 - Look for specific movie titles in API
- Python files that deal with all the routes, error handling, user authentication, api calls
- Backend databases
 - Account information, saved movies of user, user preferences

Priority:

- Functioning navigation bar that allows user to traverse through pages
- Login information
- Cards with movie information taken from APIs

Demo-worthy goals:

- Functional navbar
- login/logout
- Cards with movie information taken from APIs
- getting information about local showings of a movie (only ones airing right now)

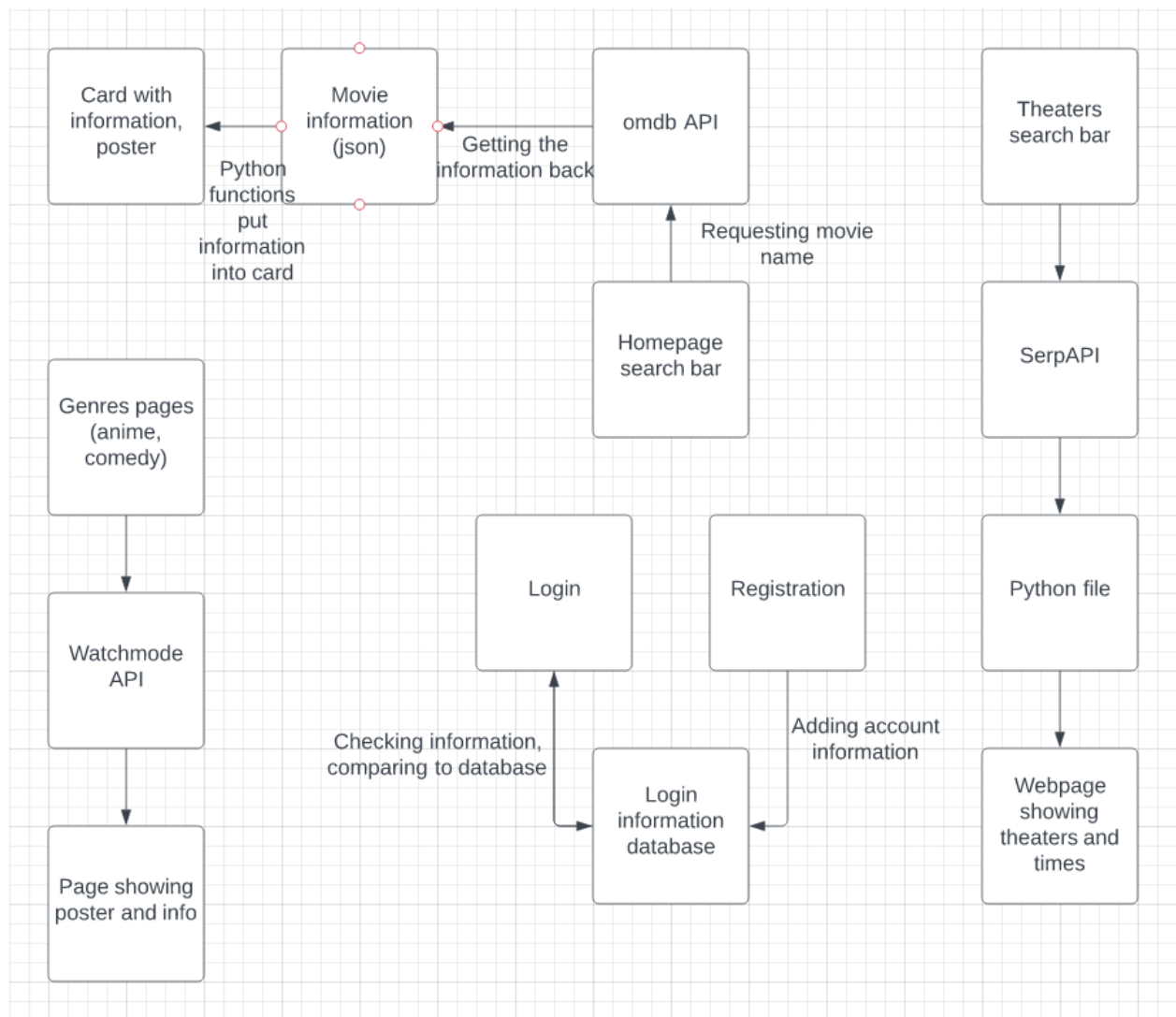
Reach goals:

- **Give me a recommendation button**
- User preferences like dark mode/light mode
- Save button for user to compile list

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, you go to register tab to register new account then redirects to home page as well
- Home page contains a navigation bar that links to theaters, home, and a drop down feature containing the different genre of films that the APIs contain
 - Redirects user to page of their selection
- Search bar allows users to search movie by title and then displays the movie information (image and plots)

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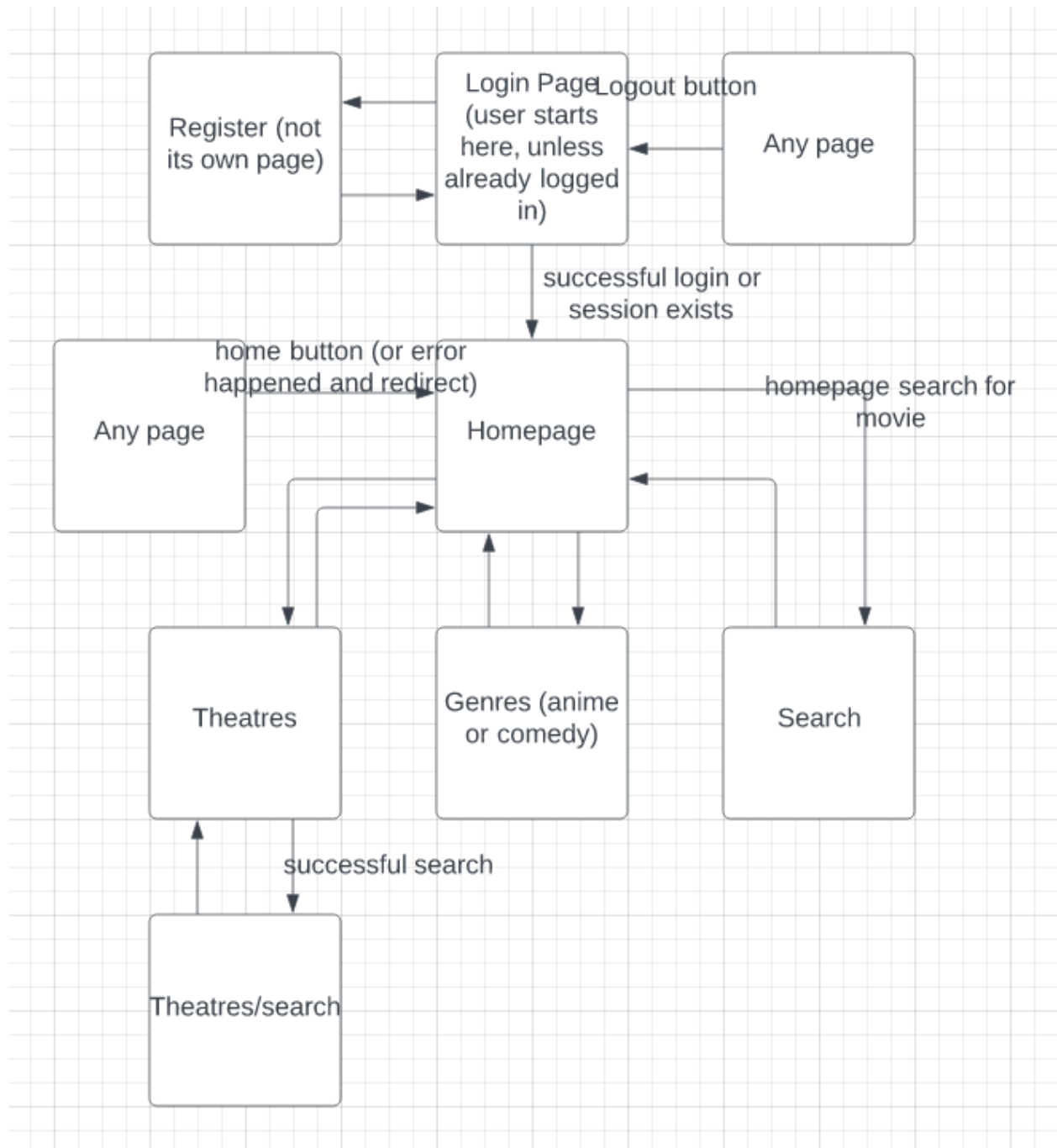
- Username and passwords stored in two column table so when user logs in, it can verify if password matches (possibly hashed if time permits)

- List of saved movies from user (REACH GOAL)

Username (TEXT_UNIQUE)	Movies (TEXT)
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- Saved movies are in a long string of text, can be easily converted to a python list

Site Map:



Movie results when selecting a genre will have different sections such as most popular movies and newly released genres.

Assignments (pretty flexible):

Jun Hong: PM, basic foundation stuff (and helping out wherever there's trouble)

Ravindra: Databases

William: Bootstrap Styling and CSS (make website look cool)

Aden: connecting forms with python + APIs

All: work with APIs to maintain familiarity, link the information from the APIs together

Schedule/Notes:

- **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)
- Demo-worthy by 8am 12/21
- Changes based on audience feedback 12/22
- Final product 12/23

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 up?
- 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?