Sprint-2 Artifact

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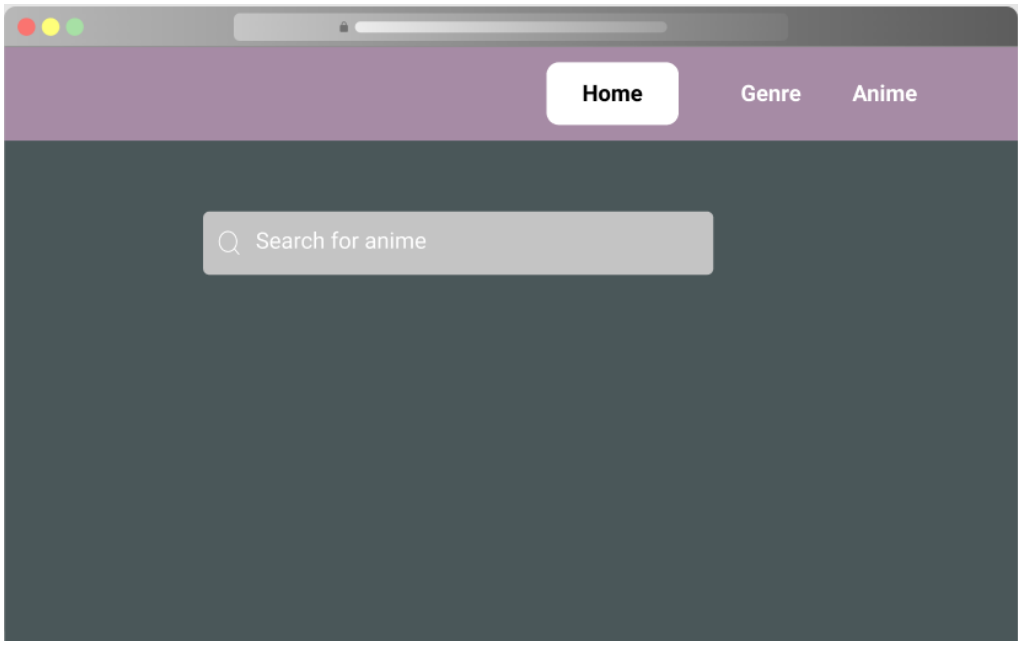
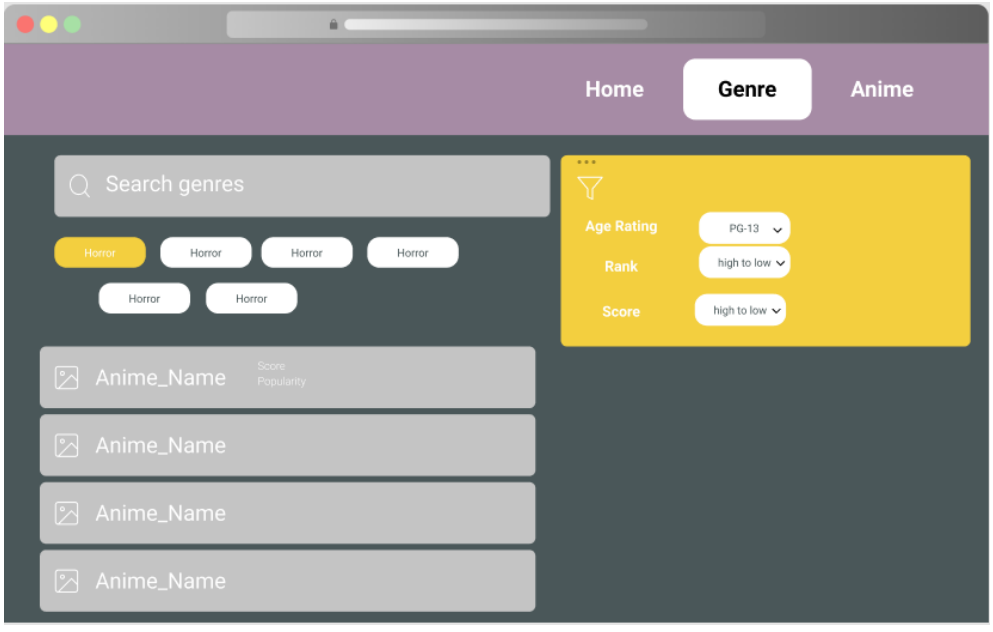
Fields of Interest to Search

- Which anime is the most popular in a given genre?
    - Given a genre input, we can retrieve a list of animes with given genre from anime.csv and then sort this list by popularity in descending order and return the top K animes where K is the number of animes we want to show on a webpage
- Which anime has the highest score in a given genre + age rating?
    - From Anime.csv:
        - Genres will allow us to search for anime that contain the specified genre input
        - English name / Japanese name to present anime list in order of scores
        - Score allows us to rank each anime and present the score of each anime.
        - Rating provides the age rating that each anime is rated at.
- Which Licensor is the most popular/most points/best rankings?
    - Import Anime.csv
        - Licensors gives us the name of the licensor who licensed which anime
        - English /Japanese names will provide the list of names of all anime created by each licensor.
        - Popularity will provide the popularity score for each anime. Find the sum of the popularity scores for all anime created by each licensor and rank accordingly.
        - Ranked will provide us the rankings for each anime. Find the average of all rankings for all anime created by each licensor and rank accordingly.
        - Score provides the average points for each anime. Sum up the scores of all anime created by each licensor and rank them accordingly.
- Which studio has the largest score sum/
    - Present the name of the Studios
    - Import the Anime.csv
        - According to the score of each anime, based on their studio names.
        - Score
        - Studio
        - English/Japanese name of animes
- I want to see a list of animes (with anime info) for a certain genre + age rating ranked by popularity/score/ranking
    - Import anime_with_synopsis.csv
        - Synopsis to provide overview of synopsis
        - Name to connect anime_with_synopsis.csv information with according anime in anime.csv data
    - Import anime.csv
        - Name to connect anime.csv data to according anime from anime_with_synopsis.csv

- English / Japanese name to present both options
- Popularity will provide the popularity score for each anime. Find the sum of the popularity scores for all anime categorized by genre + age rating and rank accordingly.
- Ranked will provide us the rankings for each anime. Find the average of all rankings for all anime categorized by genre + age rating and rank accordingly
- Score provides the average points for each anime. Sum up the scores of all anime categorized by genre + age rating and rank accordingly.

GUI Design:





User Test Cases

- **Feature 1 Test Cases:** as a user, I want to view the most popular anime for an existing genre.
    - **Test case 1**: as a user, on the home page, I first click on the genre section of the menu bar
        - Correct Output: The website displays a list of existing genres
    - **Test case 2**: as a user, on the genre page, I search for animes by inputting genre and pressing submit
        - Correct Output: The website displays a table of animes with the genre input provided. On top of the table, there is a sort by popularity or sort by premiere date.
    - **Test case 3**: as a user, I want to view the most popular animes in this table so I click on the sort by popularity button
        - Correct Output: The website displays a table of animes sorted by popularity.
- **Feature 2 Test Cases:** as a user, I want to know what is the average duration for top anime in a given genre.
    - **Test case 1:** as a user, I click on the "filter", I can sort the anime list differently according to the duration.
        - Correct Output: The website displays different sorting options, including based on duration.
    - **Test case 2:** as a user, I can see the duration of the anime when I click on it.
        - Correct Output: The website displays the duration of the anime series next to its name.
- **Feature 3 Test Cases:** as a user, I want to be able to see which animes had the highest completion rate?
    - **Test case 1**:as user, on the home page, I first click on the anime section of the menu bar
        - Correct Output: The website displays a list of the most popular animes
    - **Test case 2**: as a user, I want to view the animes in this table with the highest completion rate so I click on the sort by completion rate button
        - Correct Output: The website displays a table of animes sorted by highest completion rate.
- **Feature 4 Test Cases:** as a user, I want be able to see the top 3 highest average scoring anime from a given studio
    - **Test case 1:** as a user, I click the studio bar on the top, then I can select from a list of existing studios.
        - Correct Output: After I select a studio, the webpage will present a list of all the studios. I click the desired studio, and the names of the anime list will be presented on the page accordingly.
    - **Test case 2:** as a user, I can enter the studio name on the studio searching bar directly.

        - Correct Output: After I enter the studio name on the search bar, the name of the anime list that is made under the studio will be presented on the page accordingly.
    - **Test case 3**: as a user, I will be able to view the top 3 rating studio when I am selecting the desired studio.
        - Correct output: When selecting the studio searching bar, the top 3 studios with the highest rating should appear on the top for the user to select.
    - **Test case 4**: as a user i want to see the top 3 anime from the studio i select
        - Correct output: After selecting the desired studio, 3 animes with the highest scoring should appear on the top.
- **Feature 5 Test Cases**
- **Feature 6 Test Cases**

TODO List

Done list of last sprint:

- Established which platforms to use for client and HTTP Server.
    - [finished by Michelle Chu and verified by everyone]
- Established which coding languages to use.
    - [finished by Michelle Chu and verified by everyone]
- Backend program to receive the dummy message.
    - [finished by James Ooi and verified by everyone]
- Frontend program to send the dummy message.
    - [finished by James Ooi and verified by everyone]

ToDo task list for the next sprint:

- Fix the Features List and message TA on Slack.
- Design GUI for search feature.
- Frontend program for search feature.
- Backend program for search feature.
- Backend program to read the data read from csv.
- Backend program to convert the name data from csv to classes.
- Backend program to convert the type data from csv to classes.
- Backend program to convert the ranking data from csv to classes.
- Backend program to convert the popularity data from csv to classes.
- Backend program to convert the score data from csv to classes.
- Backend program to convert the genre data from csv to classes.
- Backend program to convert the studio data from csv to classes.
- Backend program to convert the episode data from csv to classes.