

## Sprint-4 Artifact

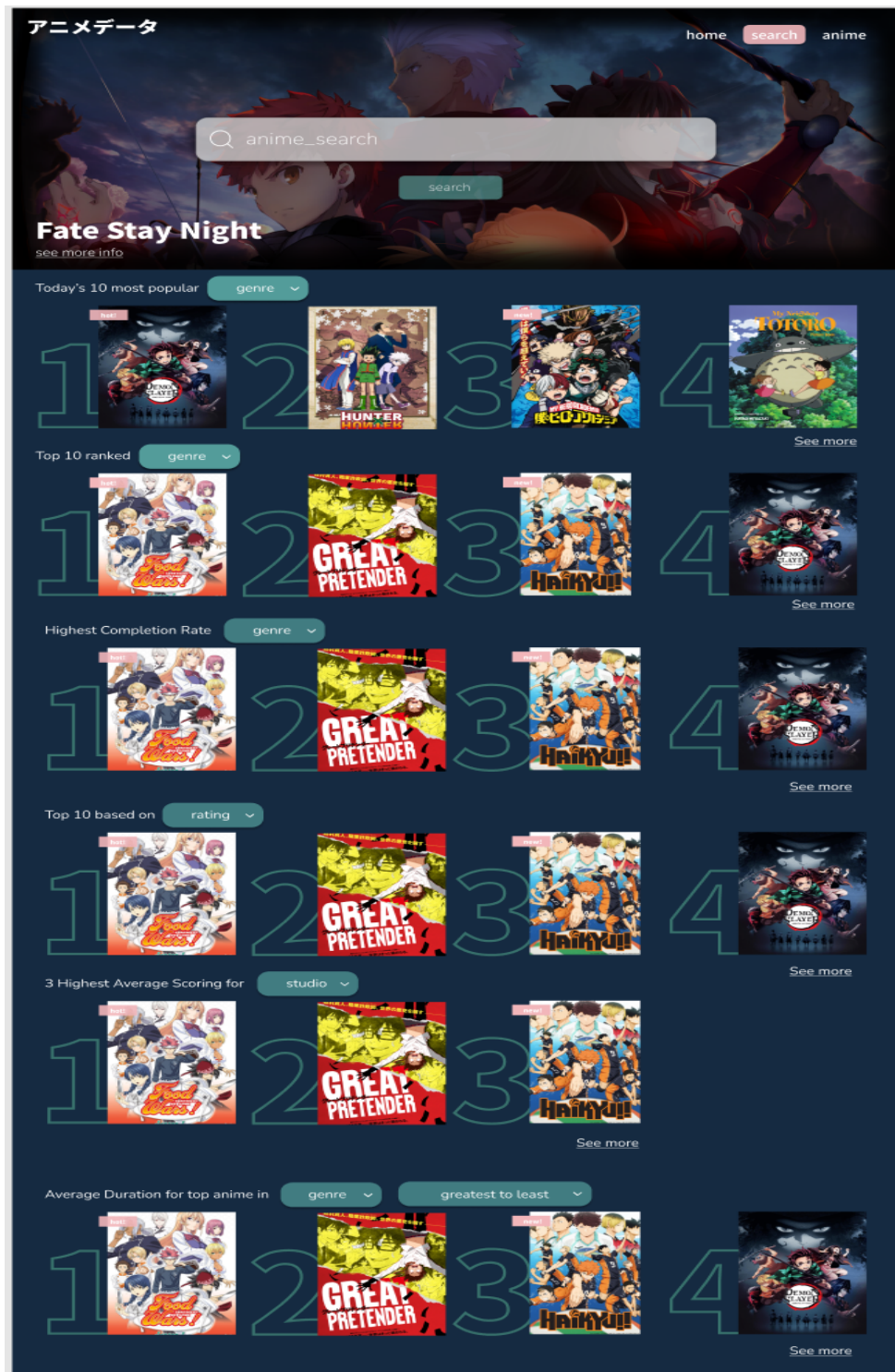
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### Features to implement in next sprint:

- **Feature 1:** As a user, I want to select a genre and find out the top 10 most popular anime in that genre.
- **Feature 2:** As a user, I want to know what is the average duration for the top anime in a given genre.
- **Feature 3:** As a user, I want to know which anime has the highest completion rate for every given genre.
- **Feature 4:** As a user, I want to know what are the top 3 highest average scoring anime for every studio.
- **Feature 5:** As a user, I want to know what are the top 10 highest average scoring anime from each respective type (TV, OVA, Movie, etc.).
- **Feature 6:** As a user, I want to select a rating and find out the top 10 animes with that rating.

## GUI Design:

**Analytics:** Note that the actual web pages will be cut off, but the user will be able to scroll down and sideways to reveal more options.



## User Test Cases

- **Feature 1 Test Cases:** As a user, I want to select a genre and find out the top 10 most popular anime in that genre.
  - **Test case 1:** As a user, in the anime page, I click on the “Filter” button.
    - Correct Output: The website displays a drop down menu with all the sorting options I can choose.
  - **Test case 2:** As a user, I click “top rated” from the drop down menu.
    - Correct Output: The website displays a list of anime that has been sorted by top 10 rating.
  - **Test case 3:** As a user, I click the “top rated” from the drop down menu again.
    - Correct Output: The website displays a list of anime that has been sorted by default.
- **Feature 2 Test Cases:** As a user, I want to know what is the average duration for the top anime in a given genre.
  - **Test case 1:** As a user, in the anime page, I click on the “Filter” button.
    - Correct Output: The website displays a drop down menu with all of the genres that I can choose from.
  - **Test case 2:** As a user, I select a genre from the drop down menu
    - Correct Output: The website displays a list of anime ranked based on average duration for the inputted genre.
- **Feature 3 Test Cases:** As a user, I want to know which anime has the highest completion rate for every given genre.
  - **Test case 1:** As a user, in the anime page, I click on the “Filter” button.
    - Correct Output: The website displays a drop down menu with sorting options and genre list.
  - **Test case 2:** As a user, I select rank based on highest completion and choose a genre from the drop down list.
    - Correct Output: The website displays a list of anime ranked on highest completion based on genre.
  - **Test case 3:** As a user, I click the “highest completion” from the drop down menu again.
    - Correct Output: The website displays a list of anime that has been sorted based on highest completion by default.

- **Feature 4 Test Cases:** As a user, I want to select a genre and find out the top 3 most popular anime in that genre.
  - **Test case 1:** As a user, in the anime page, I click on the “Filter” button.
    - Correct Output: The website displays a drop down menu with all the sorting options I can choose.
  - **Test case 2:** As a user, I click “top rated” from the drop down menu.
    - Correct Output: The website displays a list of anime that has been sorted by top 3 rating.
  - **Test case 3:** As a user, I click the “top rated” from the drop down menu again.
    - Correct Output: The website displays a list of anime that has been sorted by default.
- **Feature 5 Test Cases:** As a user, I want to know what are the top 10 highest average scoring anime from each respective type (TV, OVA, Movie, etc.).
  - **Test case 1:** As a user, in the anime page, I click on the “Filter” button.
    - Correct Output: The website displays a drop down menu with all of the anime types that I can choose from.
  - **Test case 2:** As a user, I choose a type from the drop down menu.
    - Correct Output: The website displays a list of anime that has been sorted by score based on anime type.
  - **Test case 3:** As a user, I click the “type” from the drop down menu again.
    - Correct Output: The website displays a list of anime that has been sorted by default.
- **Feature 6 Test Cases:** As a user, I want to select a rating and find out the top 10 animes with that rating.
  - **Test case 1:** As a user, in the anime page, I click on the “Filter” button
    - Correct Output: The website displays a drop down menu with the rating options.
  - **Test case 2:** As a user, I choose a rating that I want to rank by.
    - Correct Output: The website displays a list of anime ranked based on the selected rating.
  - **Test case 3:** As a user, I click the “rating” from the drop down menu again.
    - Correct Output: The website displays a list of anime that has been sorted by default.

- **TODO List**

**Done list of last sprint:**

- Frontend program for insert function.
  - [finished by Michelle Chu and verified by everyone]
- Frontend program for update function.
  - [finished by Michelle Chu and verified by everyone]
- Frontend program for delete function.
  - [finished by Michelle Chu and verified by everyone]
- Frontend program for import function.
  - [finished by James Ooi and Jengrung Tu and verified by everyone]
- Frontend program for backup function.
  - [finished by James Ooi and Jengrung Tu and verified by everyone]
- Frontend program for studio/producer search.
  - [finished by Michelle Chu and verified by everyone]
- Frontend program for score search.
  - [finished by Michelle Chu and verified by everyone]
- Frontend program for modify page.
  - [finished by everyone and verified by everyone]
- Backend program for insert function.
  - [finished by Yuteng Wu and verified by everyone]
- Backend program for update function.
  - [finished by James Ooi and verified by everyone]
- Backend program for delete function.
  - [finished by Jengrung Tu and verified by everyone]
- Backend program for backup function.
  - [finished by Jengrung Tu and Michelle Chu and verified by everyone]
- Backend program for import function.
  - [finished by Jengrung Tu and Michelle Chu and verified by everyone]
- Backend program for studio/producer search.
  - [finished by Michelle Chu and verified by everyone]
- Backend program for score search.
  - [finished by Michelle Chu and verified by everyone]
- Mockups for modify page GUI.
  - [finished by Karsten Widjanarko and James Ooi and verified by everyone]

**ToDo task list for the next sprint:**

- Edit previous program to not generate the json after add, delete, and edit.
- Edit previous program to backup and import only when the button is pressed.
- Frontend program for analytics page.
- Frontend program to select a genre and find out the top 10 most popular anime in that genre
- Frontend program for finding what is the average duration for the top anime in a given genre.
- Frontend program for finding which anime has the highest completion rate for every given genre.
- Frontend program for finding the top 3 highest average scoring anime for every studio.
- Frontend program for finding the top 10 highest average scoring anime from each respective type (TV, OVA, Movie, etc.).
- Frontend program to select a rating and find out the top 10 animes with that rating.
- Backend program to select a genre and find out the top 10 most popular anime in that genre
- Backend program for finding what is the average duration for the top anime in a given genre.
- Backend program for finding which anime has the highest completion rate for every given genre.
- Backend program for finding the top 3 highest average scoring anime for every studio.
- Backend program for finding the top 10 highest average scoring anime from each respective type (TV, OVA, Movie, etc.).
- Backend program to select a rating and find out the top 10 animes with that rating.