

ITP 303: Final Project Summary

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The purpose of this website is mainly for anime users where they want to search up anime series or movies based on certain keywords or write reviews that they can look for future references. It's a simple way to find new anime and get new information through searching.

All the pages have the same layout except for the login/signup page which is approved on Piazza. If the user started off a different page and hasn't signed on yet, the current page will tell the user to login first. In the login/sign up page, users can either login with valid credentials (username: Kara, password: ITP) or create a new account that has a unique username and password. If not met those requirements, depending on what button the user has clicked, the page will tell the error right below the buttons.

After signing up or logging in, there's a homepage where users can search up anime. There's 3 different boxes, one for title, one for status, and one for score. All are optional and clicking on the search button will give the search results on the bottom. The results will give a title, number of episodes, status, score, link, and image. There will be only a max of 10 results. The link is clickable and goes to a new page which gives more information about the anime associated with the link. The "Delete All" box just clears up the search result table.

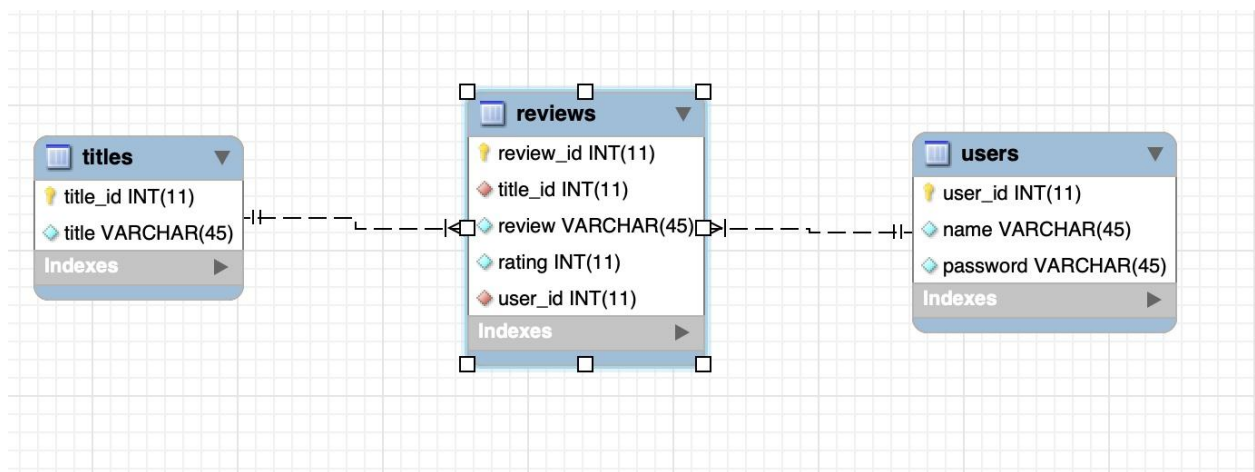
On the top right, there's a dark green box called Anime Finder and it serves as a navigation bar. To go to other pages, the user has to hover over the Anime Finder box and click on the desired section.

When clicking on the "Review" section, it shows a page where users can add, update, or delete reviews. All the reviews already shown in the table are reviews that the user has previously inputted. All the boxes must have input before creating a new review, otherwise in the review confirmation page, the page will say that there's a missing input. If the user puts in an anime title that already has a review, the comment and rating will just update instead of creating another review. Else, a completely new review will be created. Next to each review, there's a delete button where clicking on it

will go to a confirmation page saying that the review is deleted. The review page will update again, not showing the deleted review.

The source of the data added comes from the users and the searching comes from the API. So when I search anime in the home page, the api populates the table with the information needed and in the review section, the sql populates the table that originally came from the user input. My database uses three tables: titles, reviews, and users. The users and titles are linked to reviews by normalization. Each of the tables have data populated already where users have unique usernames and passwords, titles are assigned to a unique id, reviews are sorted in order of creation and can be organized by user_id. Reviews can be updated, deleted, or destroyed if wanted to.

Database Diagram:



The extras that I used are using a JSON API (counting as 2) and using sessions. The API that I used is called Jikan API. The documentation is <https://docs.api.jikan.moe/> and the requests are unlimited as long as it's at most 3 requests per second and 60 requests per minute. The parameters that I use are the title (q), the status (status), and the score (score) which help me narrow down the search for anime. The other extra that counts as the third one is sessions. When a user logs in or signs up, a session starts and I check in every page that a session has started before showing what a typical logged in user would see in case the user didn't log in. If the user hasn't logged in, the session giving null username, the page would tell the user to log in. The session helps

in the review section where the sql statements know which reviews to populate the table based on the username the session has provided. When the user logs out, the session is destroyed and a confirmation page is displayed and gives a link back to the login page.

For the CSS frameworks, I use Bootstrap which contributes to the website's current design. The original file link is

<https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css>.