

Otaku Haven Proposal

1. The goal of the website on my end is to be a passion project to work with one of my favorite hobbies. Anime! Basically, what I want it to do, is provide its users with a never-ending list of anime that they can watch and will like. It will allow you to select anime you like, genres you like and give recommendations on new anime. Also, it will allow you to create a wish list of anime that you plan on watching, which will be able to be converted to a pdf or emailed.
2. The demographic of my users will be anime watchers, which tends to be people from 12 to early thirties, both genders.
3. I will get data from the Jikan API, which has endpoints for getting anime, genres, and even for recommendations. It is an API that scrapes My Anime List for information. I will also use pdfshift for a simple solution to satisfy the needs for a pdf download.
4. My approach to this will be:
 - a) My database Schema will have Users, Liked Anime (m2m relationship) and wishlist anime(m2m relationship)
 - b) Issues I might run into with my API is it is a little difficult to GET endpoints with something other than an ID, which it isn't easy to find an ID. Luckily I believe I found some good work arounds
 - c) Passwords will need to be secure, maybe emails too if a user opts in to having an email wishlist
 - d) My app will include recommendations, pdf download, email sending, wish list creating, and liked anime control

- e) The User will create an account, select some anime/genres that they like to configure the recommendations, then they can select anime that they will want to watch and save it to a wish list, which then they will be able to get as a pdf or email
- f) It is more than CRUD because of recommendations, creating and downloading a wish list, and the ability to search for anime in the search bar, or search by other factors. I have a lot of stretch goals for later down the road:

- Have friends or search other users
- Make wishlist, watched anime, and liked anime shareable or private
- People can rate the anime
- Maybe even incorporate manga from the same API
- Allow people to write their own web toons