



# CS454 Proposal

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# Find My Anime

- Simple and easy to use anime searcher
- Over 17000 animes to choose from
- Advanced search feature to allow for better results
- Post search filtering which allows the user to prioritize a data type

# The data

- All of the data for our website was scraped from myanimelist.net
- I literally took all 17665 anime from the website except for the extra 1435 that was just hentai (porn)
- The data categories are as follows:  
Title, Rating, Link, Picture, Episode count, Airing Dates, Genres, Description and Producers

# The data continued




- Each data category was picked for its relevance to user searching
- This data was saved in a csv file but will be converted into an index using whoosh for our backend
- This is a snippet of some of the data that is scraped.

	Title	Rating	Link	Picture	Episodes	Airing Dates	Genres	Description
2	1 Fullmetal Alchemist: Brotherhood	9.16	<a href="https://myanimelist.net/anime/5114/Fullmetal_Alchemist__Brotherhood">https://myanimelist.net/anime/5114/Fullmetal_Alchemist__Brotherhood</a>	<a href="https://cdn.myanimelist.net/images/anime/1223/5114.jpg">https://cdn.myanimelist.net/images/anime/1223/5114.jpg</a>	64	5-Apr-09 to 4-Jul-10	Action, Adventure, Comedy, Drama, Fantasy, Military, Shounen	After a horrific alchemist
3	2 Gintama	9.09	<a href="https://myanimelist.net/anime/28977/Gintama">https://myanimelist.net/anime/28977/Gintama</a>	<a href="https://cdn.myanimelist.net/images/anime/3/7207.jpg">https://cdn.myanimelist.net/images/anime/3/7207.jpg</a>	51	8-Apr-15 to 30-Mar-16	Action, Comedy, Sci-Fi, Historical, Parody, Samurai, Shounen	Gintoki, Shinpachi, and
4	3 Shingeki no Kyojin Season 3 Part 2	9.09	<a href="https://myanimelist.net/anime/38524/Shingeki_no_Kyojin_Season_3_Part_2">https://myanimelist.net/anime/38524/Shingeki_no_Kyojin_Season_3_Part_2</a>	<a href="https://cdn.myanimelist.net/images/anime/1517/38524.jpg">https://cdn.myanimelist.net/images/anime/1517/38524.jpg</a>	10	29-Apr-19 to 1-Jul-19	Action, Drama, Fantasy, Mystery, Military, Super Power, Shounen	Seeking to restore humanity
5	4 Steins;Gate	9.09	<a href="https://myanimelist.net/anime/9253/Steins_Gate">https://myanimelist.net/anime/9253/Steins_Gate</a>	<a href="https://cdn.myanimelist.net/images/anime/5/7315.jpg">https://cdn.myanimelist.net/images/anime/5/7315.jpg</a>	24	6-Apr-11 to 14-Sep-11	Drama, Sci-Fi, Suspense, Psychological	The self-proclaimed mad
6	5 Fruits Basket: The Final	9.07	<a href="https://myanimelist.net/anime/42938/Fruits_Basket__The_Final">https://myanimelist.net/anime/42938/Fruits_Basket__The_Final</a>	<a href="https://cdn.myanimelist.net/images/anime/1085/42938.jpg">https://cdn.myanimelist.net/images/anime/1085/42938.jpg</a>	13	6-Apr-21 to 29-Jun-21	Comedy, Drama, Romance, Slice of Life, Supernatural, Shounjo	Hundreds of years ago
7	6 Gintama'	9.06	<a href="https://myanimelist.net/anime/9969/Gintama">https://myanimelist.net/anime/9969/Gintama</a>	<a href="https://cdn.myanimelist.net/images/anime/4/5036.jpg">https://cdn.myanimelist.net/images/anime/4/5036.jpg</a>	51	4-Apr-11 to 26-Mar-12	Action, Comedy, Sci-Fi, Historical, Parody, Samurai, Shounen	After a one-year hiatus:
8	7 Hunter x Hunter (2011)	9.06	<a href="https://myanimelist.net/anime/11061/Hunter_x_Hunter_2011">https://myanimelist.net/anime/11061/Hunter_x_Hunter_2011</a>	<a href="https://cdn.myanimelist.net/images/anime/11/336.jpg">https://cdn.myanimelist.net/images/anime/11/336.jpg</a>	148	2-Oct-11 to 24-Sep-14	Action, Adventure, Fantasy, Super Power, Shounen	Hunter x Hunter is set
9	8 Ginga Eiyuu Densetsu	9.05	<a href="https://myanimelist.net/anime/820/Ginga_Eiyuu_Densetsu">https://myanimelist.net/anime/820/Ginga_Eiyuu_Densetsu</a>	<a href="https://cdn.myanimelist.net/images/anime/13/13.jpg">https://cdn.myanimelist.net/images/anime/13/13.jpg</a>	110	8-Jan-88 to 17-Mar-97	Drama, Sci-Fi, Military, Space	The 150-year-long story
10	9 Gintama': Enchousen	9.03	<a href="https://myanimelist.net/anime/15417/Gintama__Enchousen">https://myanimelist.net/anime/15417/Gintama__Enchousen</a>	<a href="https://cdn.myanimelist.net/images/anime/6/7517.jpg">https://cdn.myanimelist.net/images/anime/6/7517.jpg</a>	13	4-Oct-12 to 28-Mar-13	Action, Comedy, Sci-Fi, Historical, Parody, Samurai, Shounen	While Gintoki Sakata is
11	10 Gintama: The Final	9	<a href="https://myanimelist.net/anime/39486/Gintama__The_Final">https://myanimelist.net/anime/39486/Gintama__The_Final</a>	<a href="https://cdn.myanimelist.net/images/anime/1245/39486.jpg">https://cdn.myanimelist.net/images/anime/1245/39486.jpg</a>	1	8-Jan-21	Action, Comedy, Drama, Sci-Fi, Historical, Parody, Samurai, Shounen	New Gintama movie.

# Webpage style

- We are keeping a similar style to myanimelist with slight changes
- They keep a simple setup and then include all the data on an individual web page for that anime
- They include more than the top 10 per page, but we will be showing only 10 results per page
- Not sure if we will include all data on the same page or do what myanimelist does.

Any advice?

Search Results				[1] 2 3 4	
	Title		Type ↕	Start Date ↕	
	<b>Gyakuten Sekai no Denchi Shoujo</b> <a href="#">add</a> Japan, 2019, just before the dawn of a new era. Suddenly, a rift to another dimension appears in the sky, revealing an alternative world "Shinkoku Nippon," with the sky and the earth upside down. This... <a href="#">read more</a> .		TV	10-11-21	
	<b>Dou Shen Ji</b> <a href="#">add</a> At the end of the 21st century, the discovery of a new energy source called "DG energy" (short for "divine grace energy") has revolutionized Earth's economy and allowed humanity to colonize space. How... <a href="#">read more</a> .		ONA	10-11-21	
	<b>Bright: Samurai Soul</b> <a href="#">add</a> In the early years of Japan's Meiji Restoration, a human ronin must unite with an orc assassin to save an elf orphan from their common adversary. (Source: Netflix)		ONA	10-12-21	

# Advanced search

- Myanimelist has an excellent advanced search feature.
- Ours will look extremely similar except for the data that we don't have such as status and type.

Users will use search bar for description based queries and advanced search for specific kinds of animes

The image shows a screenshot of the MyAnimeList advanced search filters. The interface is divided into several sections:

- Filters:** A sidebar on the left containing dropdown menus for Type, Score, Status, Producer, Rated, Start Date, End Date, and Columns. The Columns dropdown is currently open, showing options: Type, Eps, Score, Start Date, and End Date.
- Content Filter:** A section with a link to "More Info" and a dropdown menu set to "Include selected".
- Genres:** A grid of checkboxes for various anime genres. "Adventure" is checked, while all other genres (Action, Avant Garde, Award Winning, Boys Love, Comedy, Drama, Fantasy, Girls Love, Gourmet, Horror, Mystery, Romance, Sci-Fi, Slice of Life, Sports, Supernatural, Suspense, Work Life) are unchecked.

# Data filtering

- Similar to advanced search
- Will allow user to prioritize the kind of data they want to see first
- As shown below a user can click on Start Date and the data will be filtered to show the newest anime first, and if clicked again it will show the oldest first
- Given that we have rating and episode count as well, those will also be included in filtering data
- Data can be ordered newest to oldest or oldest to newest interchangeably on all three filterable data types

Search Results

[1] 2 3 4

Title

Type ⬆ Start Date ⬆

# Data filtering



## Anime search



[Advanced Search](#)

**Genres**

<a href="#">Action (4,048)</a>	<a href="#">Adventure (3,117)</a>	<a href="#">Avant Garde (548)</a>	<a href="#">Award Winning (3)</a>	<a href="#">Boys Love (146)</a>
<a href="#">Comedy (6,335)</a>	<a href="#">Drama (2,706)</a>	<a href="#">Fantasy (3,520)</a>	<a href="#">Girls Love (115)</a>	<a href="#">Gourmet (101)</a>
<a href="#">Horror (476)</a>	<a href="#">Mystery (756)</a>	<a href="#">Romance (1,971)</a>	<a href="#">Sci-Fi (2,675)</a>	<a href="#">Slice of Life (2,039)</a>
<a href="#">Sports (743)</a>	<a href="#">Supernatural (1,536)</a>	<a href="#">Suspense (148)</a>	<a href="#">Work Life (2)</a>	