Anime Helper

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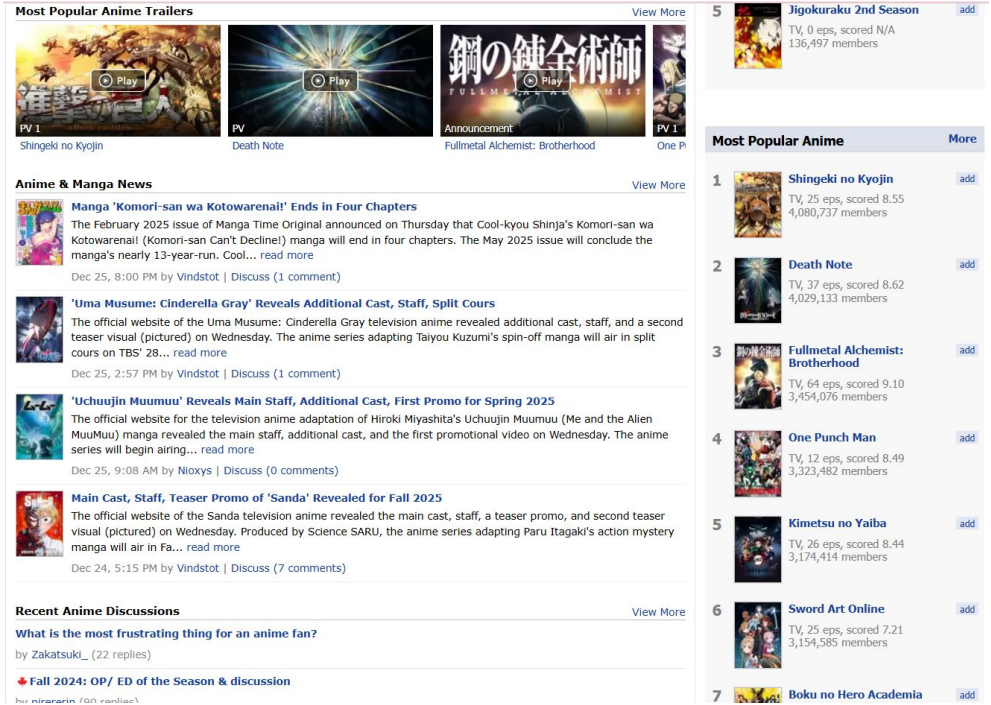
01

Main Idea

Why Anime Website?

現存大型動畫網站設計老舊、繁雜



MyAnimeList

Target

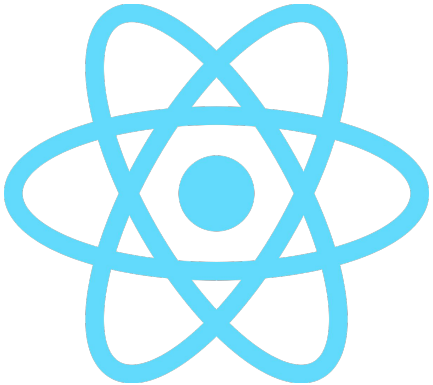
製作現代化、高互動性的動畫資料整合網站

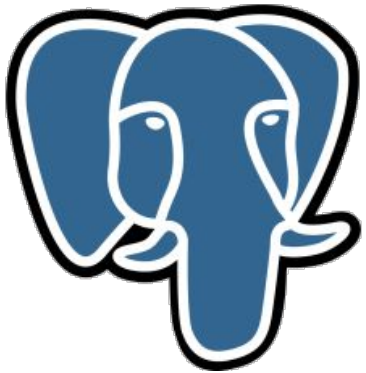
Target Audience

跟我們一樣喜愛動畫的觀眾

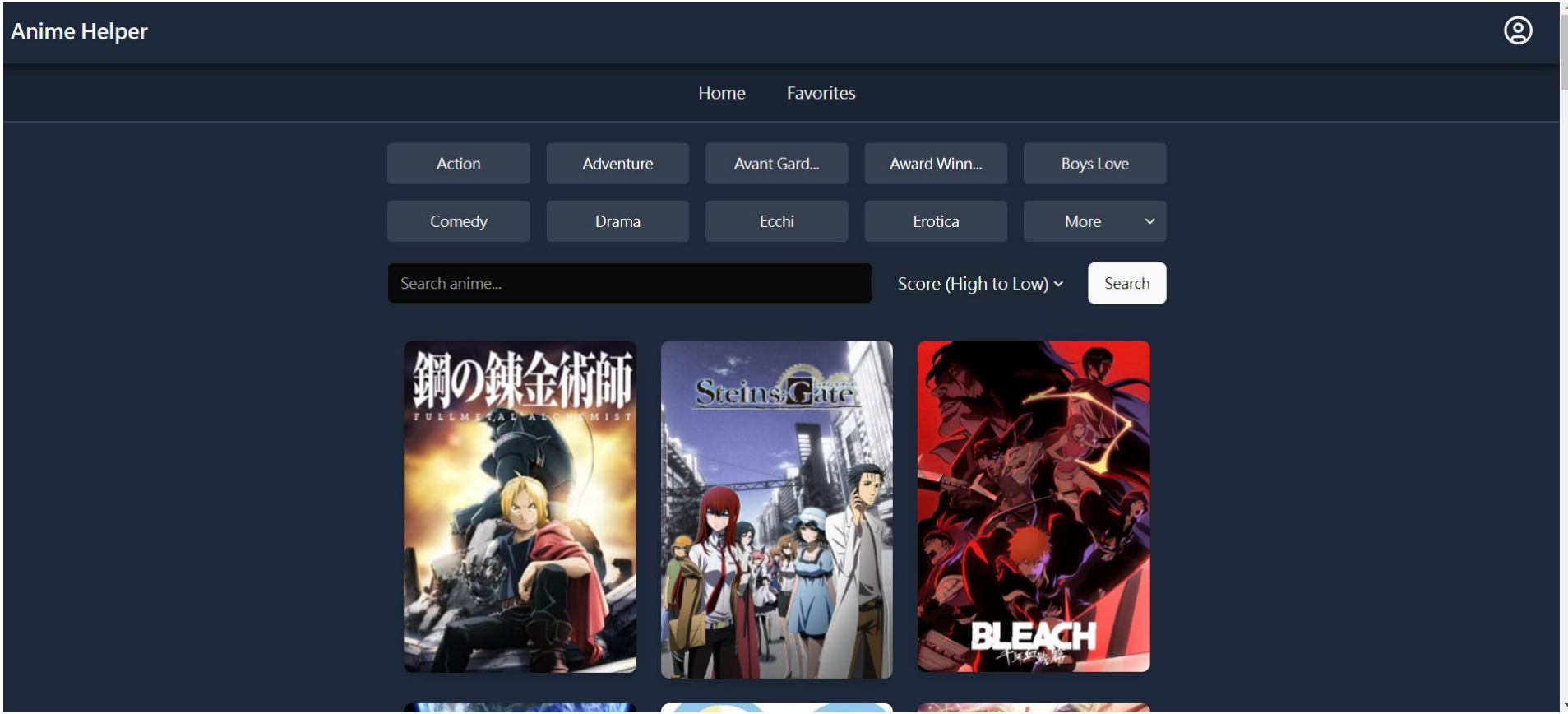
Apporach

React.js: 現代化前端的框架
Express.js: 高效易實作的後端框架
PostgreSQL: 高效率、功能多的資料庫





User Interface



02
Dataset & Database

Dataset

Anime Dataset 2023

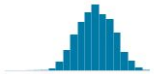
A Comprehensive Collection of Anime Information

Data Card | Code (71) | Discussion (2) | Suggestions (0)

About Dataset

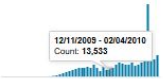
- 來源:
  - MyAnimeList
- 時間區段:
  - ~ 2025
- 內容:
  - 動畫資訊、使用者資訊、使用者評分...

Dataset Sample

anime_id Unique ID for each anime.	Name The name of the anime in its original language.	English name The English name of the anime.	Other name Other names or titles of the anime in different languages.	Score The score or rating given to the anime.	Genres The genres of the anime, separated by commas.	Synopsis A brief description or summary of the anime's plot.	Type The type of the anime (e.g., TV series, movie, OVA, etc.).	Episodes The number of episc in the anime.
 1 55.7k	24901 unique values	UNKNOWN 59% Promise 0% Other (10323) 41%	23796 unique values	 1.85 9.1	UNKNOWN 20% Comedy 9% Other (17697) 71%	No description av... 18% Furukawa Taku film. 0% Other (20358) 82%	TV 31% Movie 18% Other (12927) 52%	1.0 12.0 Other (11454)
5114	Fullmetal Alchemist: Brotherhood	Fullmetal Alchemist: Brotherhood	鋼の錬金術師 FULLMETAL ALCHEMIST	9.1	Action, Adventure, Drama, Fantasy	After a horrific alchemy experiment goes wrong in the Elric household, brothers Edward and Alphonse ...	TV	64.0
9253	Steins;Gate	Steins;Gate	STEINS;GATE	9.07	Drama, Sci-Fi, Suspense	Eccentric scientist Rintarou Okabe has a never-ending thirst for scientific exploration. Together wi...	TV	24.0
41467	Bleach: Sennen Kessen-hen	Bleach: Thousand-Year Blood War	BLEACH 千年血戦篇	9.07	Action, Adventure, Fantasy	Substitute Soul Reaper Ichigo Kurosaki spends his days fighting against Hollows, dangerous evil spir...	TV	13.0
28977	Gintama°	Gintama Season 4	銀魂°	9.06	Action, Comedy, Sci-Fi	Gintoki, Shinpachi, and Kagura return as the fun-loving but broke members of the Yorozuya team! Livi...	TV	51.0
38524	Shingeki no Kyojin Season 3 Part 2	Attack on Titan Season 3 Part 2	進撃の巨人 Season3 Part.2	9.05	Action, Drama	Seeking to restore humanity's diminishing hope, the Survey Corps	TV	10.0

包含鋼鍊、死神、巨人的知名作品

Dataset Sample

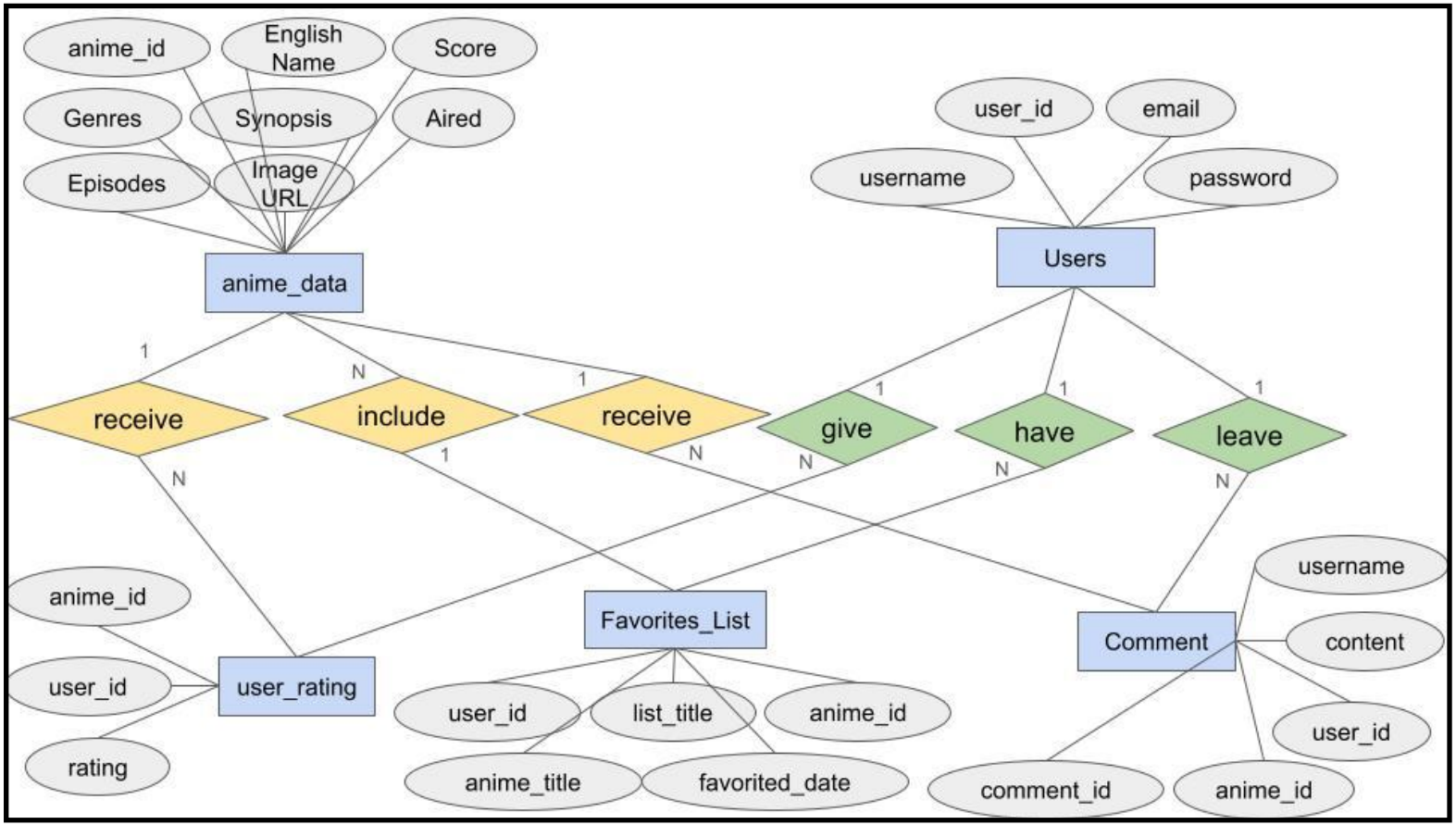
Mal ID Unique ID for each user.	Username The username of the user.	Gender The gender of the user.	Birthday The birthday of the user (in ISO format).	Location The location or country of the user.	Joined The date when the user joined the platform (in ISO format).	Days Watched The total number of days the user has spent watching anime.	Mean Score The average score given by the user to the anime they have watched.	Watching The number of anim currently being watc by the user.
 1 1.29m	731290 unique values	[null] 69% Male 17% Other (97399) 13%	 Invalid date 2100-03-15	[null] 79% Poland 0% Other (150348) 21%	 2004-11-05 2012-05-06	 0 105k	 0 255	 0
1	Xinil	Male	1985-03-04T00:00:00+00:00	California	2004-11-05T00:00:00+00:00	142.3	7.37	1.0
3	Aokaado	Male		Oslo, Norway	2004-11-11T00:00:00+00:00	68.6	7.34	23.0
4	Crystal	Female		Melbourne, Australia	2004-11-13T00:00:00+00:00	212.8	6.68	16.0
9	Arcane				2004-12-05T00:00:00+00:00	30.0	7.71	5.0
18	Mad				2005-01-03T00:00:00+00:00	52.0	6.27	1.0
20	vondur	Male	1988-01-25T00:00:00+00:00	Bergen, Norway	2005-01-05T00:00:00+00:00	73.1	8.06	11.0
23	Amuro		1988-02-22T00:00:00+00:00	Canada	2005-01-23T00:00:00+00:00	142.5	7.41	20.0
36	Baman	Male		Land of Rain and Fjords	2005-02-05T00:00:00+00:00	272.1	5.9	27.0
44	beddan	Male			2005-02-21T00:00:00+00:00	18.6	7.6	0.0
47	kei-clone	Male		31f288172a11dea9f2781a6d87e0a200	2005-03-09T00:00:00+00:00	34.5	6.84	15.0

MyAnimeList使用者的資料

Expected Function

1. 動畫分類、排名
2. 動畫關鍵字查詢
3. 使用者登入登出
4. 自定義收藏清單
5. 動畫資訊頁面
6. 評分系統
7. 留言系統

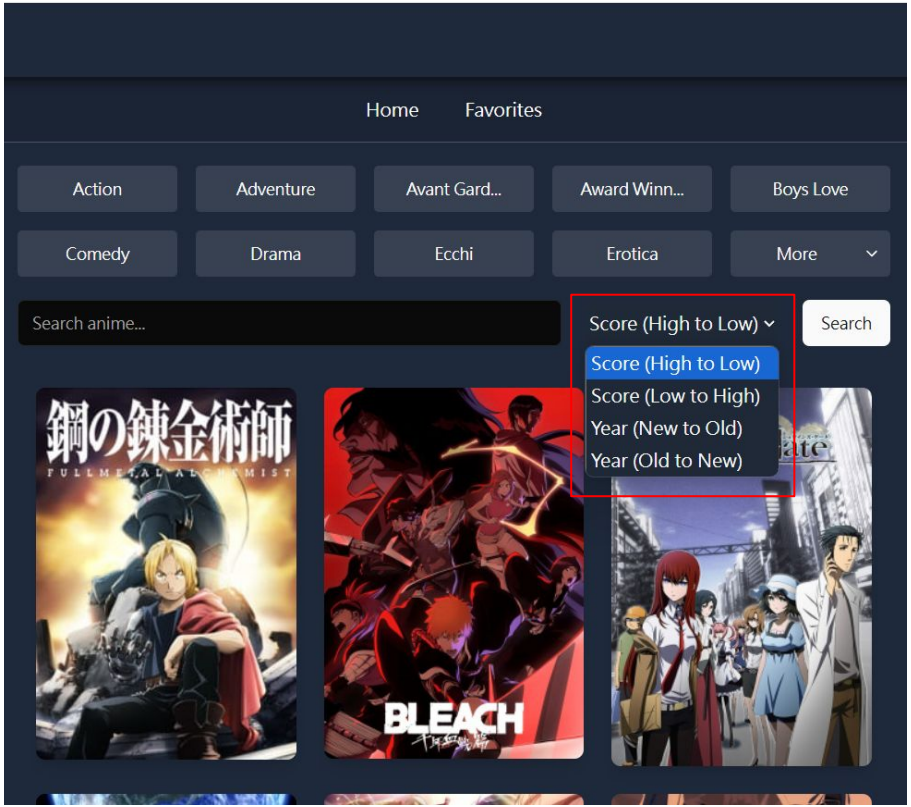
ER Model


anime_id
English Name
Score
Genres
Synopsis
Aired
Episodes
Image URL
anime_data
user_id
email
username
password
Users
receive
include
receive
give
have
leave
1
N
anime_id
user_id
rating
user_rating
Favorites_List
user_id
list_title
anime_id
anime_title
favorited_date
Comment
username
content
user_id
comment_id
anime_id

03

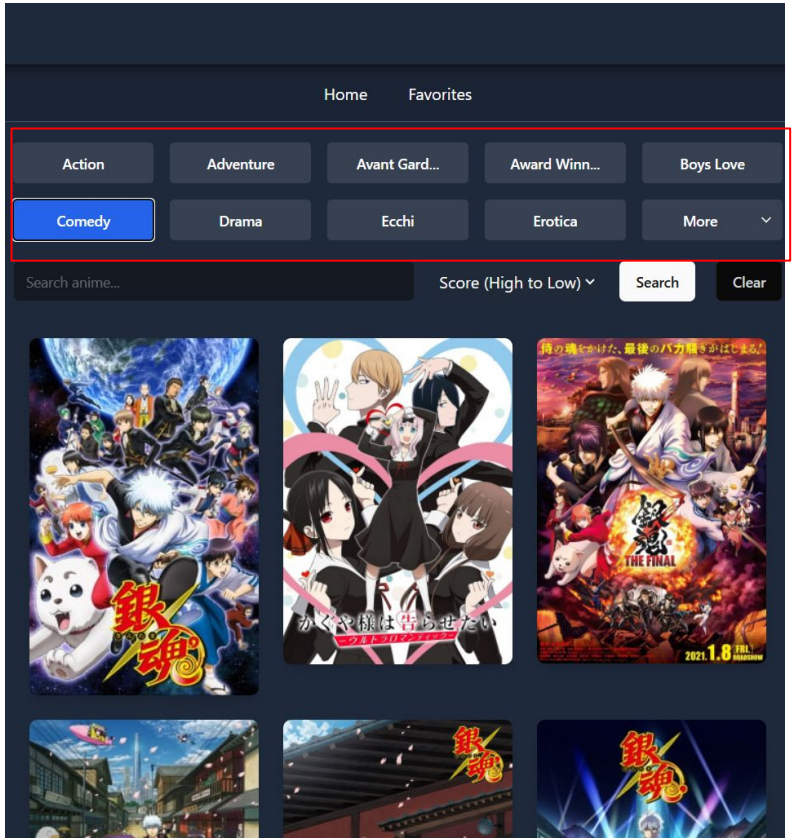
Function of Application

排名系統



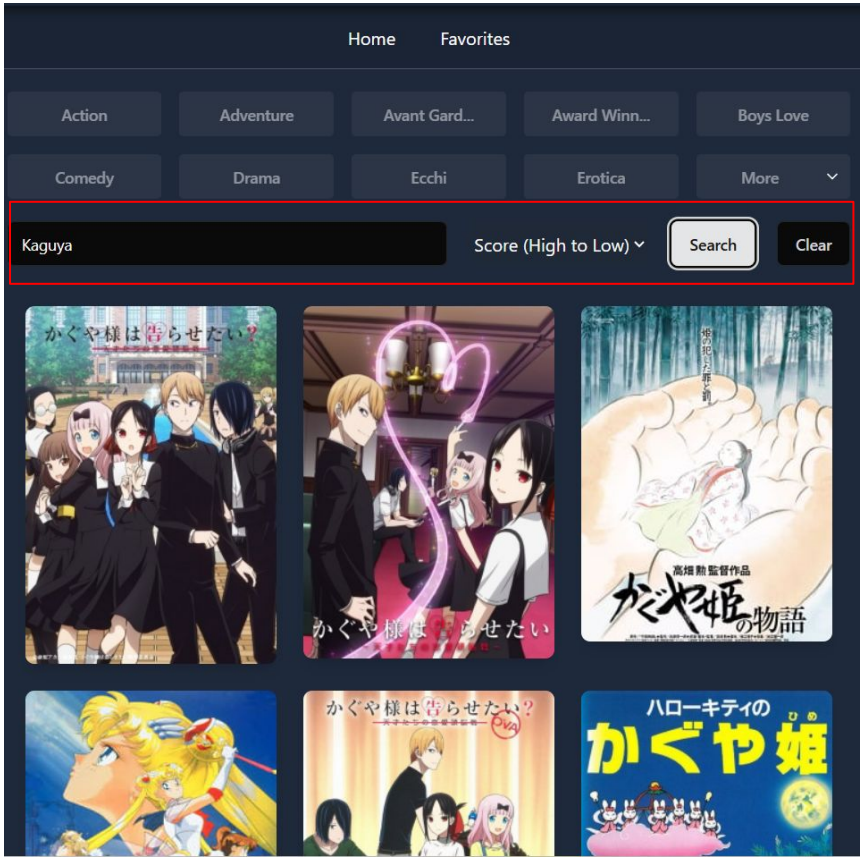

```
case 'score_desc':
    query = `
        SELECT "anime_id"
        FROM anime_data
        WHERE "Score" IS NOT NULL
        ORDER BY "Score" DESC;
    `;
```

分類系統



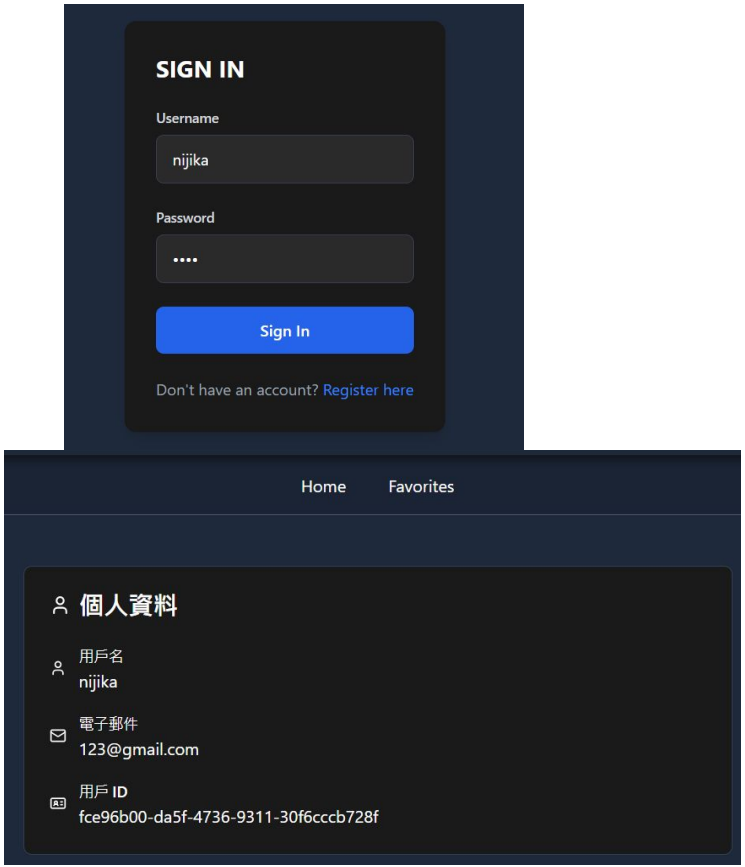

```
query = `
    SELECT "anime_id"
    FROM anime_data
    WHERE "Score" IS NOT NULL AND "Genres" ILIKE $1
    ORDER BY "Score" ASC;
`;
```

搜尋系統




```
    sortBy = `
        CASE
            WHEN "Aired" ~ ' to ' THEN TO_DATE(SUBSTRING("Aired" FROM '^(.+) to'), 'Mon DD, YYYY')
            WHEN "Aired" ~ ', ' THEN TO_DATE("Aired", 'Mon DD, YYYY')
            ELSE TO_DATE('Jan 1, ' || "Aired", 'Mon DD, YYYY')
        END
    `;
    sortOrder = "DESC";
}
const searchSQL = `
    SELECT anime_id, "Name", "Score"
    FROM anime_data_filtered
    WHERE "Name" ILIKE '%${keyword}%' AND "Aired" ~ '^\\w{3} \\d{1,2}, \\d{4}'
    ORDER BY ${sortBy} ${sortOrder};
`
```

登入登出



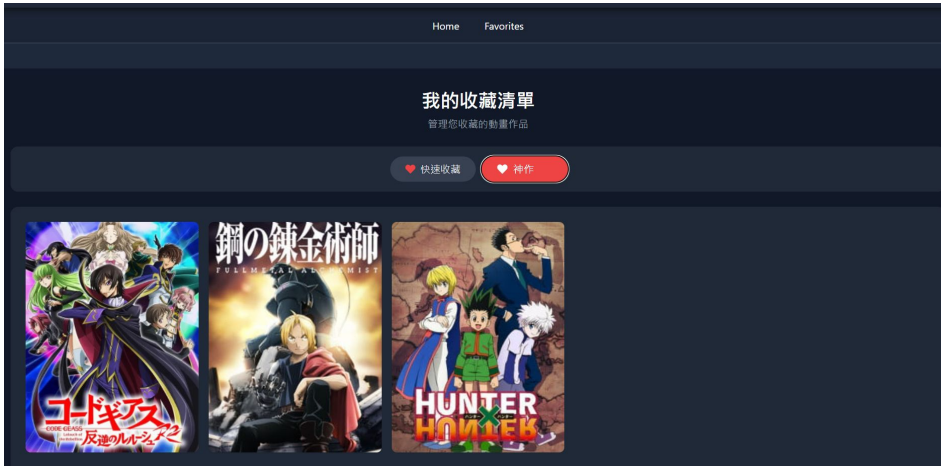

```
router.post('/login', checkUsersTable, async (req, res) => {
    try {
      const query = 'SELECT * FROM users WHERE username = $1';
      const { rows } = await pool.query(query, [username]);

      if (rows.length === 0) {
        return res.status(401).json({ error: 'Invalid username or password' });
      }

      const user = rows[0];

      //和加密過後的密碼比較
      const Match = await bcrypt.compare(password, user.password);

      if (!Match) {
        return res.status(401).json({ error: 'Invalid username or password' });
      }
```

動畫資訊頁面

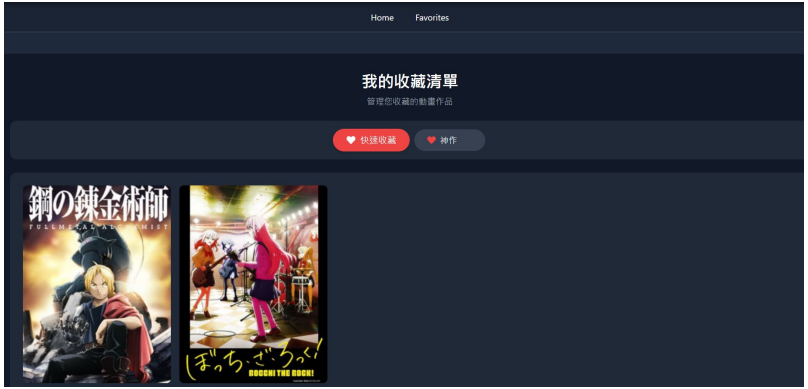
```
const query = `
    SELECT
        "Name",
        "Score",
        "Genres" as "Category",
        "Synopsis" as "Description",
        "Type",
        "Episodes",
        "Aired",
        "Image_URL"
    FROM anime_data
    WHERE "anime_id" = $1;
`;
```

收藏清單

Home
Favorites
已添加到快速收藏
Fullmetal Alchemist: Brotherhood
已收藏
加入清單
ID: 5114
集數: 64
評分: 9.10
開播: 2009-04-04
類別: TV
結束: 2010-07-03
類型
Action
Adventure
Drama
Fantasy
描述
After a horrific alchemy experiment goes wrong in the Elric household, brothers Edward and Alphonse are left in a catastrophic new reality. Ignoring the alchemical principle banning human transmutation, the boys attempted to bring their recently deceased mother back to life. Instead, they suffered brutal personal loss: Alphonse's body disintegrated while Edward lost a leg and then sacrificed an arm to keep Alphonse's soul in the physical realm by binding it to a hulking suit of armor. The brothers are rescued by their neighbor Pinako Rockbell and her
為這部動畫評分


Home
Favorites
我的收藏清單
管理您收藏的動畫作品
快速收藏
神作

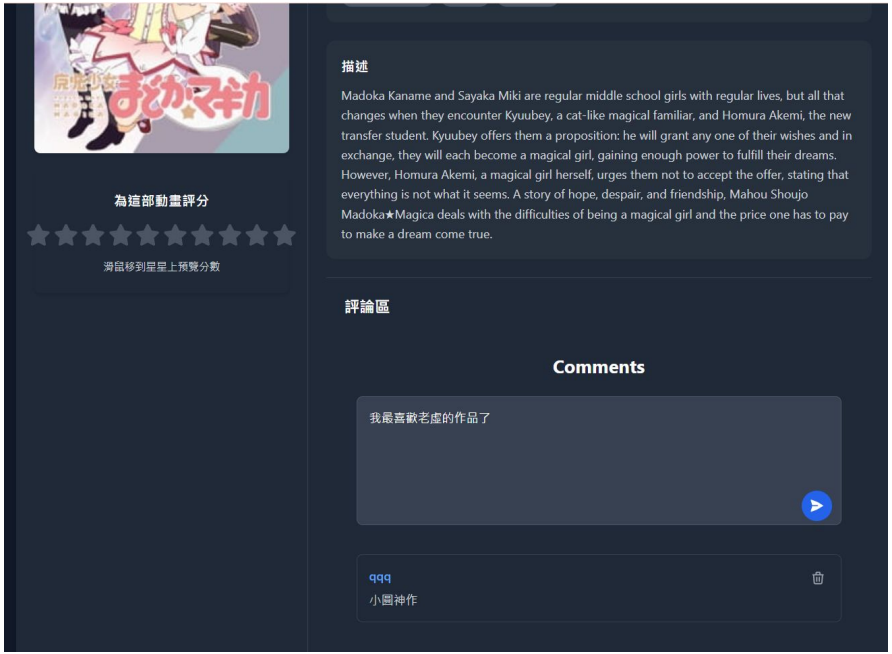
Fullmetal Alchemist: Brotherhood
已收藏
加入清單
ID: 5114
集數: 64
評分: 9.10
開播: 2009-04-04
2010-07-03
添加到收藏清單
選擇現有清單
asda
快速收藏
建立新清單
輸入清單名稱
建立
After a horrific alchemy experiment goes wrong in the Elric household, brothers Edward and Alphonse are left in a catastrophic new reality. Ignoring the alchemical principle banning human transmutation, the boys attempted to bring their recently deceased mother back to life. Instead, they suffered brutal personal loss: Alphonse's body disintegrated while Edward lost a leg and then sacrificed an arm to keep Alphonse's soul in the physical realm by binding it to a hulking suit of armor. The brothers are rescued by their neighbor Pinako Rockbell and her granddaughter Winry. Known as a bio-mechanical engineering prodigy, Winry creates prosthetic
為這部動畫評分
滑鼠移到星星上預覽分數


Home
Favorites
我的收藏清單
管理您收藏的動畫作品
快速收藏
神作

評分系統

```
it pool.query(`
UPDATE anime_data
SET "Score" = CASE
        WHEN "Scored_By" - 1 = 0 THEN NULL
        ELSE ((COALESCE("Score", 0) * COALESCE("Scored_By", 0)) -
    END,
    "Scored_By" = GREATEST(COALESCE("Scored_By", 0) - 1, 0)
WHERE "anime_id" = $2
```

留言系統



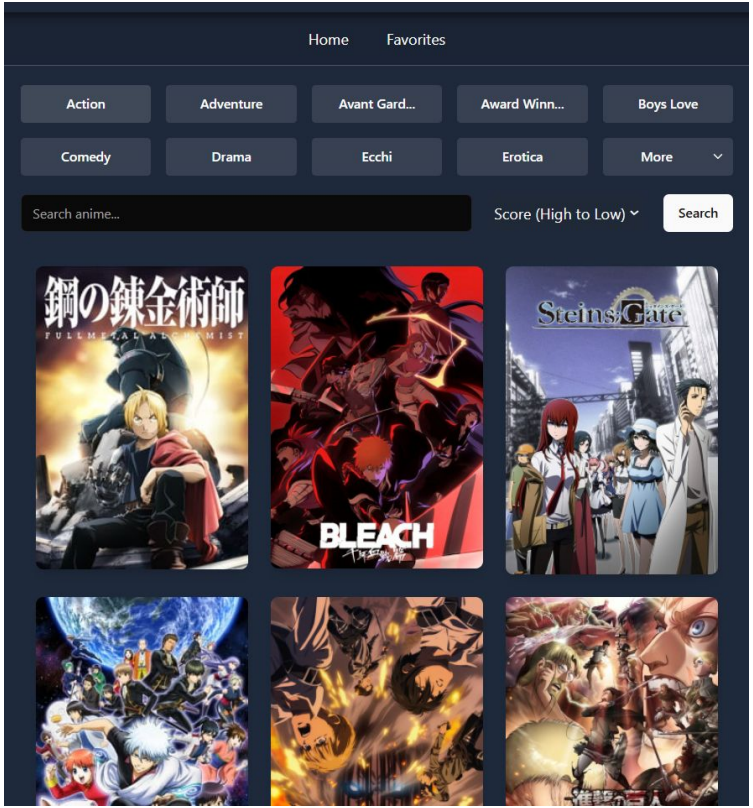
```
const addCommentQuery = `
    INSERT INTO "Comment" (anime_id, user_id, username, content)
    VALUES (${anime_id}, ${user_id}, '${username}', '${content}');
`;
```

04
Future Work

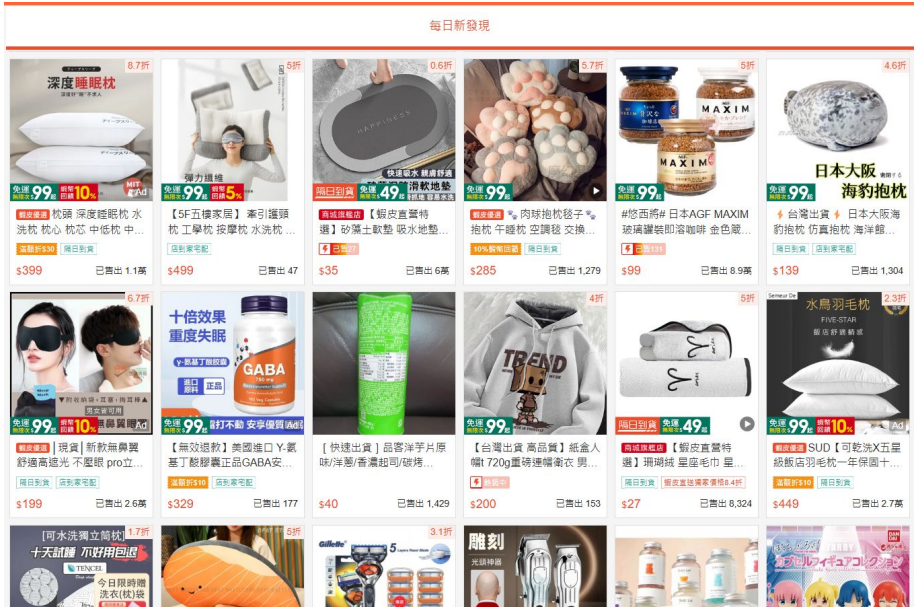
Future Trend

結合機器學習
讓網站更智慧

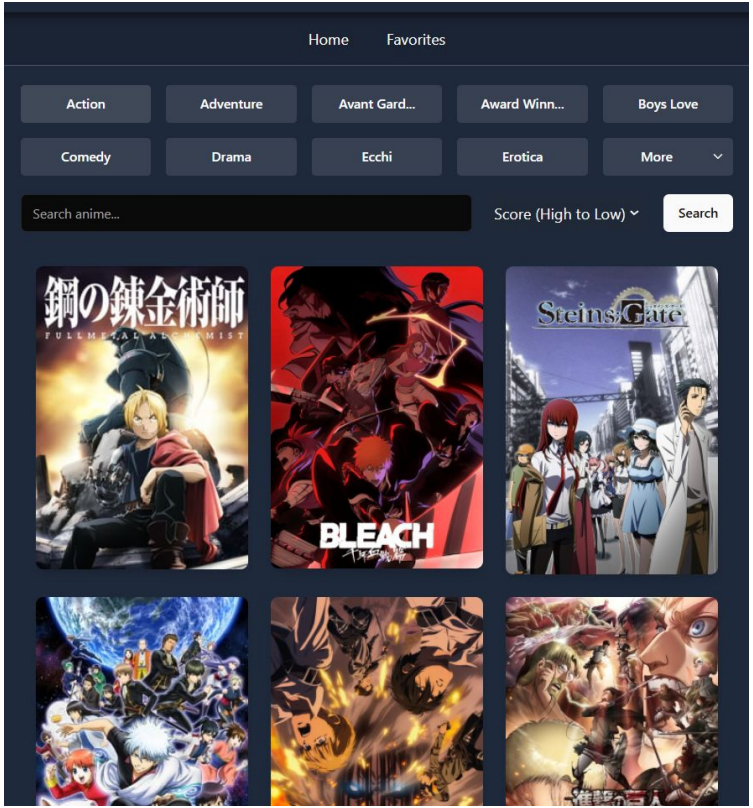
推薦系統



根據使用者紀錄，推薦動畫在首頁



智慧助手



懸浮在網頁上的客服機器人

05
Contribution

Contribution

- 前端
  - 廖漢軒
    - 主頁、註冊登入(功能)、評分系統(功能)、留言(功能)
  - 游翔宇
    - Favorite List製作、評分系統、註冊登入(介面)、Profile頁面
  - 徐柏安
    - Favorite List製作、網頁排版
- 後端
  - 謝侑哲
    - 資料清洗、資料庫建構、搜尋、收藏、留言API
  - 張程翔
    - 資訊&排序、分類、登入登出、評分API