Institute of System Science National University of Singapore

USER GUIDE

Aniverse

Image Content Generation Website

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User Guide

1. Requirement

1.1 Python server configuration

(1) First, check the system's pre-installed python version, Ubuntu typically comes with Python 3 pre-installed. You can check if it's already installed by running the following command in your terminal.

<python3 --version>

If you system already has Python3, you can skip 2 and processed to step 3.

(2) Then install python with the following command:

<sudo apt update>

<sudo apt install python3>

(3) After that, let's install and use venv module to create a virtual environment for python.

<sudo apt install python3-venv>

<python3 -m venv myenv>

This will create a virtual environment named myvenv in the current directory. And we can use this script to activate the virtual environment:

<source myenv/bin/activate>

Now, you can use pip to install Python package within the virtual environment without affecting the system-wide Python installation. For example, to install a package , you can run:

<pip install package_name>

1.2 MySQL configuration

First, open a terminal, and update the package list by running the following command in the terminal to ensure your system's package list is up to date.

<sudo apt update>

And then install MySQL server by running the following command:

<sudo apt install mysql-server>

During the installation, you will be prompted to set a password for the MySQL root user. Remember this password, as you will need it to log in to the MySQL server.

Once the MySQL server is installed, it should start automatically, you can use the following command to make sure MySQL is running:

<sudo systemctl status mysql>

Now, you have successfully installed MySQL on Ubuntu. You can use the MySQL client to connect to the server, manage databases, and data.

1.3 Vue.js configuration

First, you need to install Node.js, which include npm(Node Package Manager), as a package from the Ubuntu repositories:

<sudo apt update>

<sudo apt install nodejs>

<sudo apt install npm>

Once Node.js and npm are installed, you can use npm to install Vue CLI globally, which allow you to create and manage Vue.js projects.

<sudo npm install -g @vue/cli>

After that, you should install Yarn to manager you project. Yarn is a package manager for JavaScript and Node.js projects, it was designed to be a more efficient and reliable alternative to the npm.

To install Yarn on ubuntu, you can use the official method provided by Yarn, which involves adding the Yarn repository and then installing it.

<curl -sS https://dl.yarnpkg.com/debian.pubkey.gpg | sudo apt-key add ->

<echo “deb https://dl.yarnpkg.com/debian/ stable main” | sudo tee /etc/apt/sources.list.d/yarn.list>

After that, update your package list and install Yarn:

<sudo apt update>

<sudo apt install yarn>

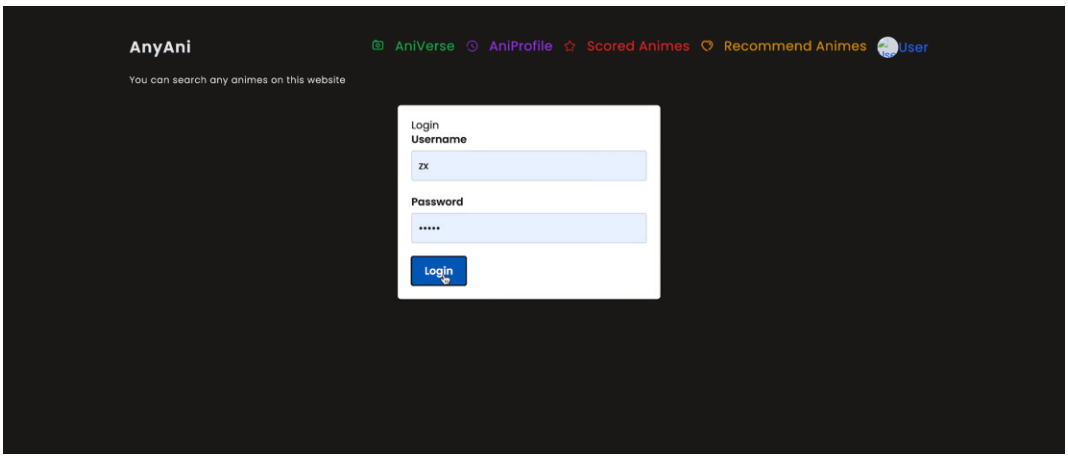
1.4 Browser requirement

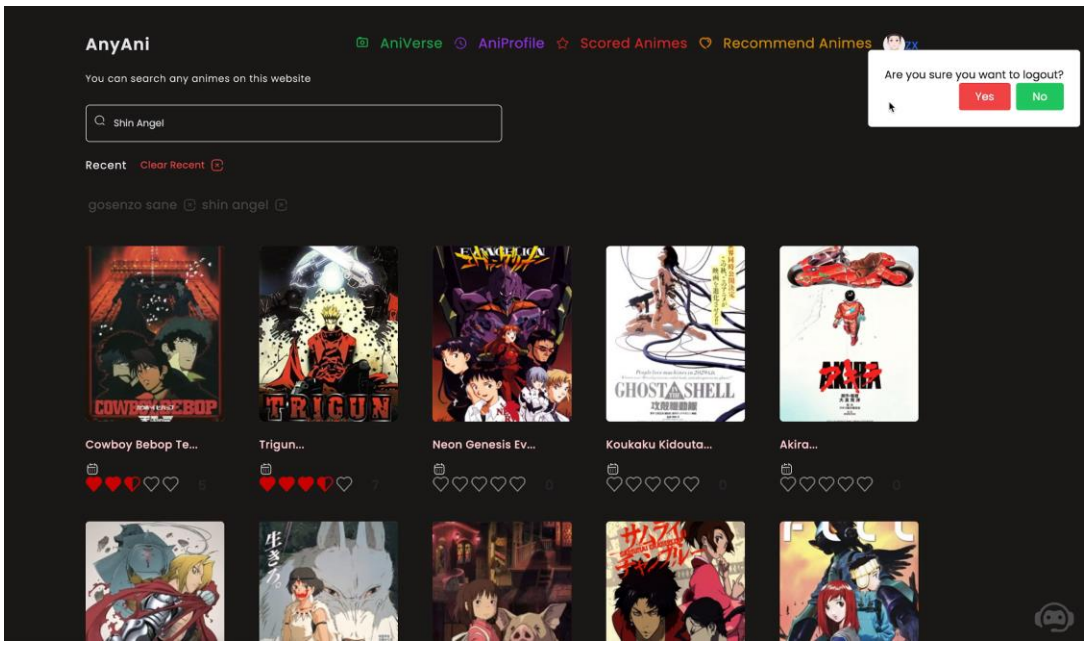
IE10, IE11, Edge, Firefox, Chrome, safari, opera

2. Best Practice

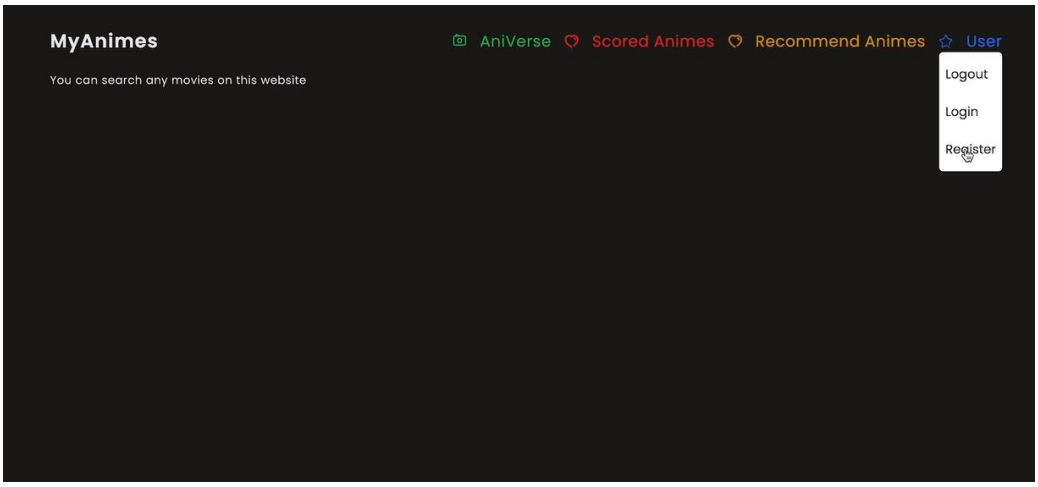
2.1 User Information

2.1.1 Login/Logout

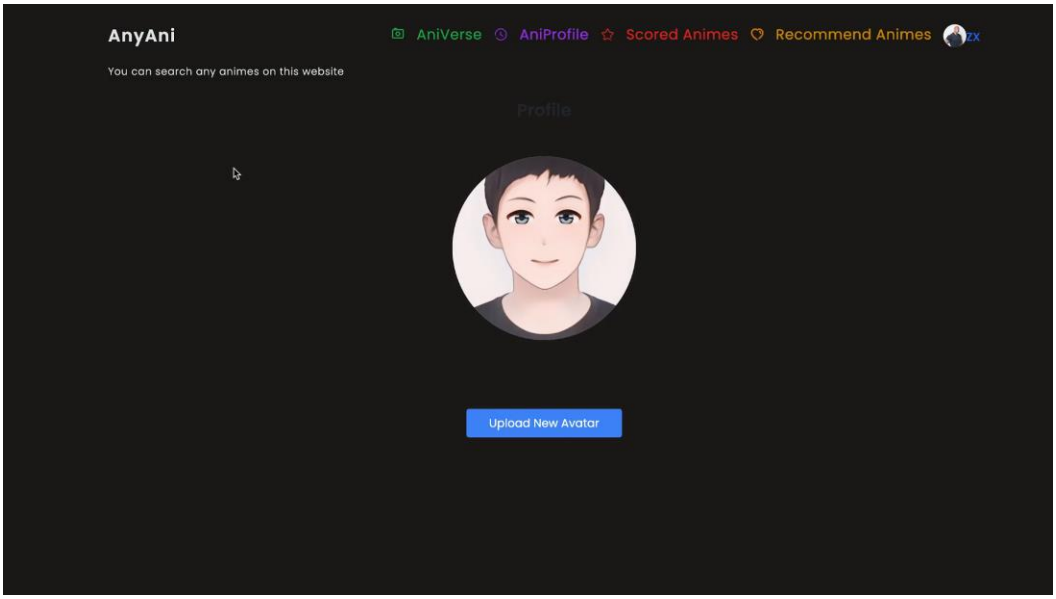




2.1.2 Register

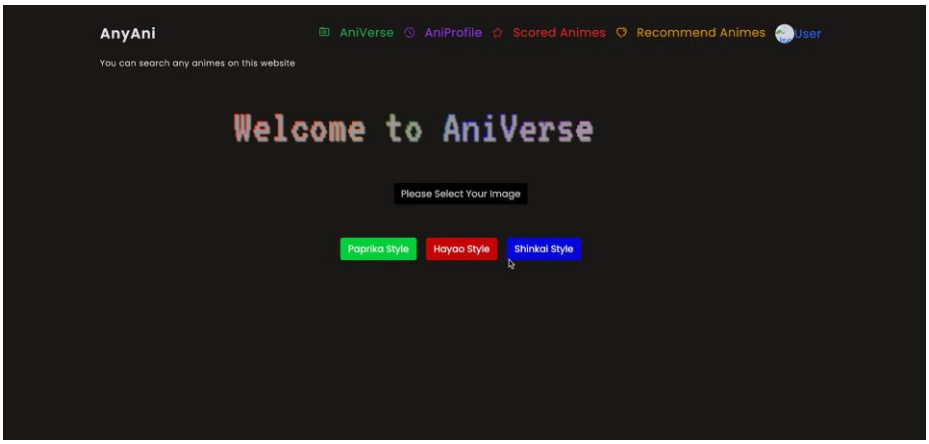


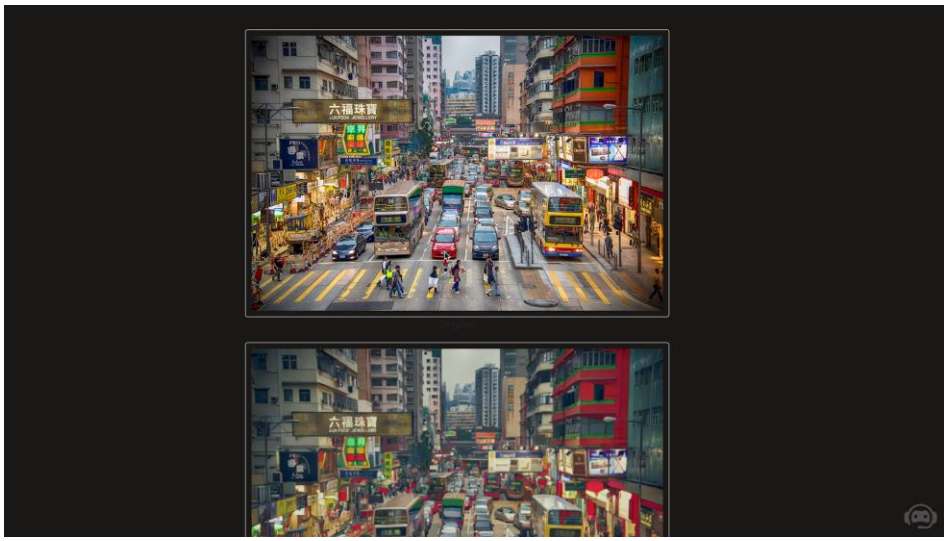
2.1.3 Profile



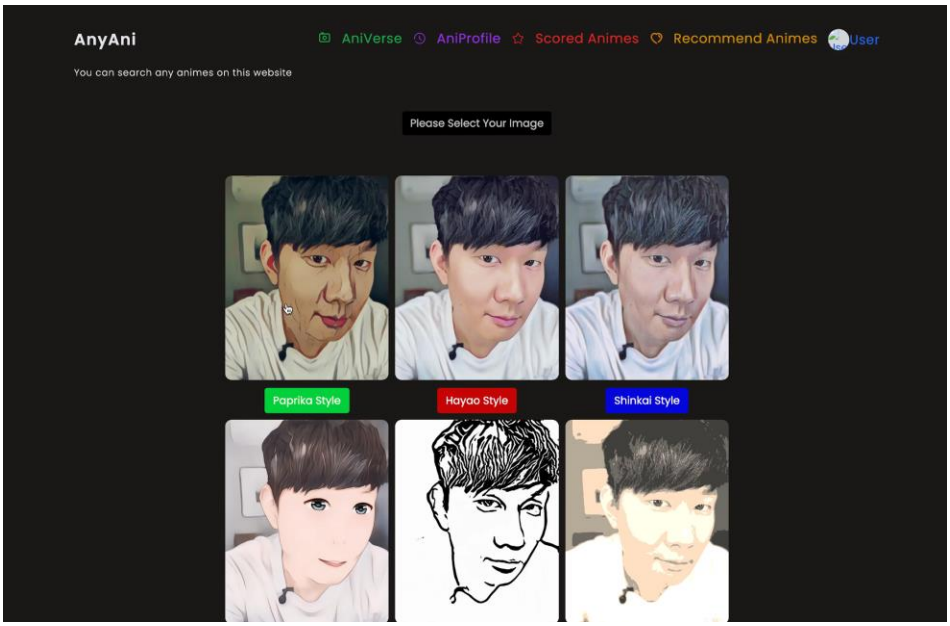
2.2 Aniverse & AniProfile

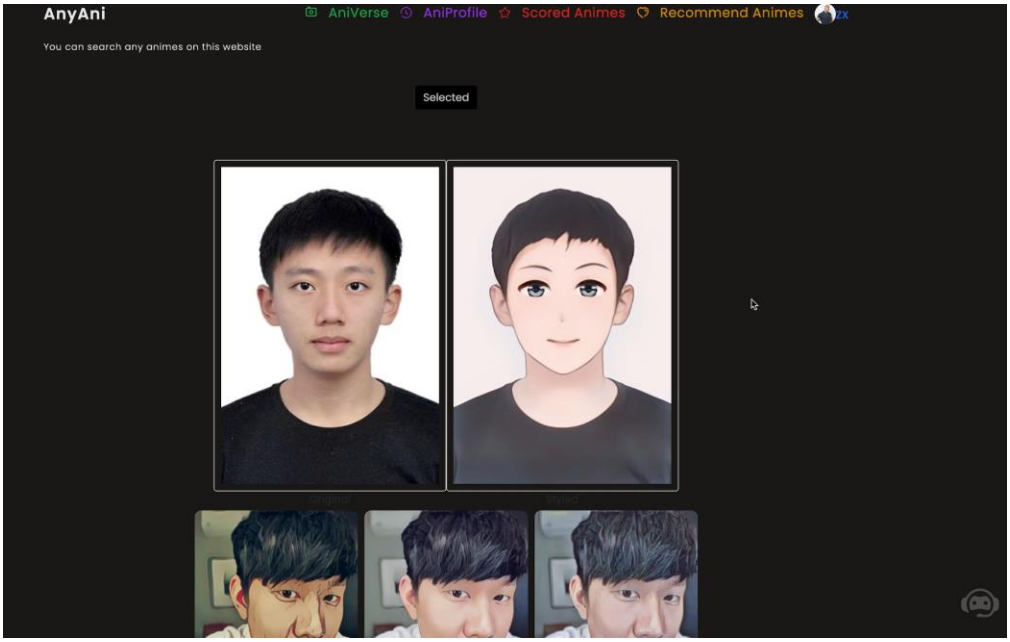
2.2.1 Aniverse





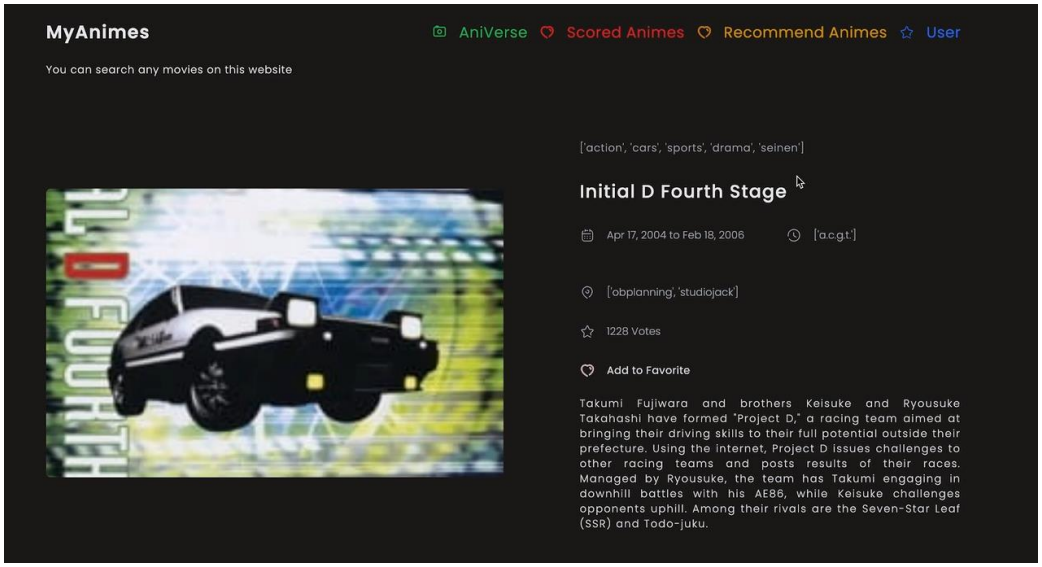
2.2.2 AniProfile



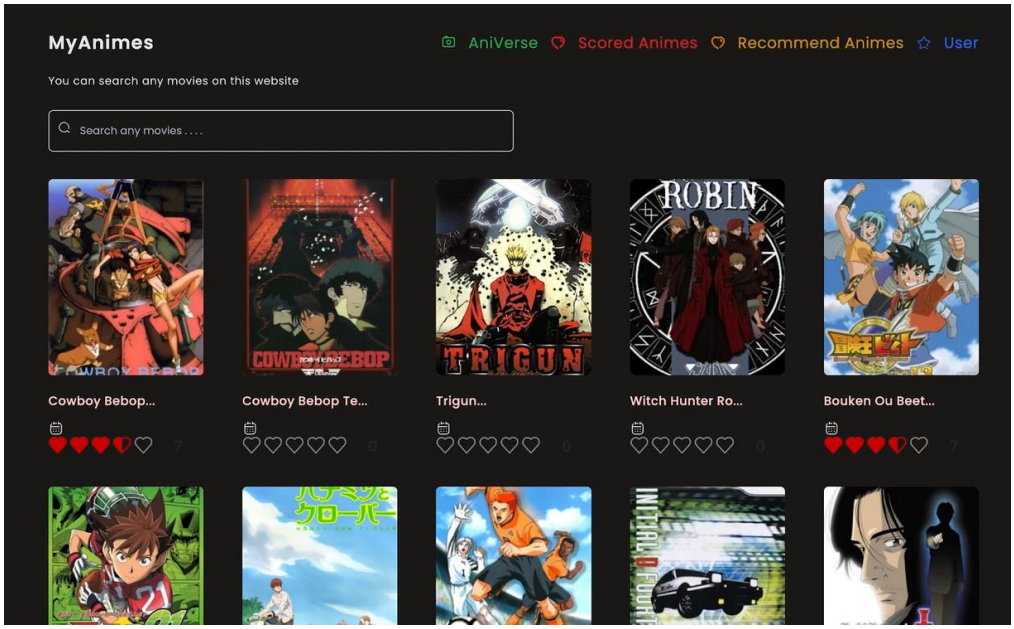


2.3 Rating & Anime Information

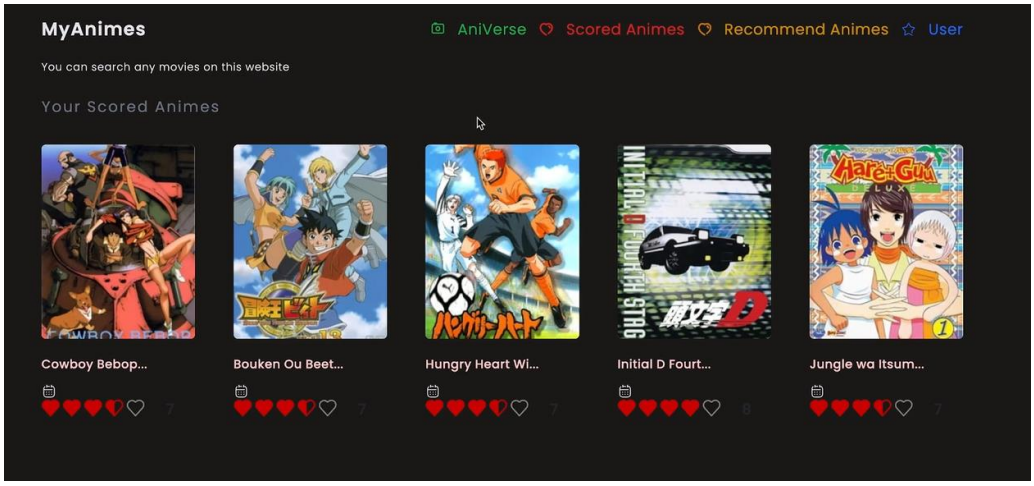
2.3.1 Anime details



2.3.2 Rating anime

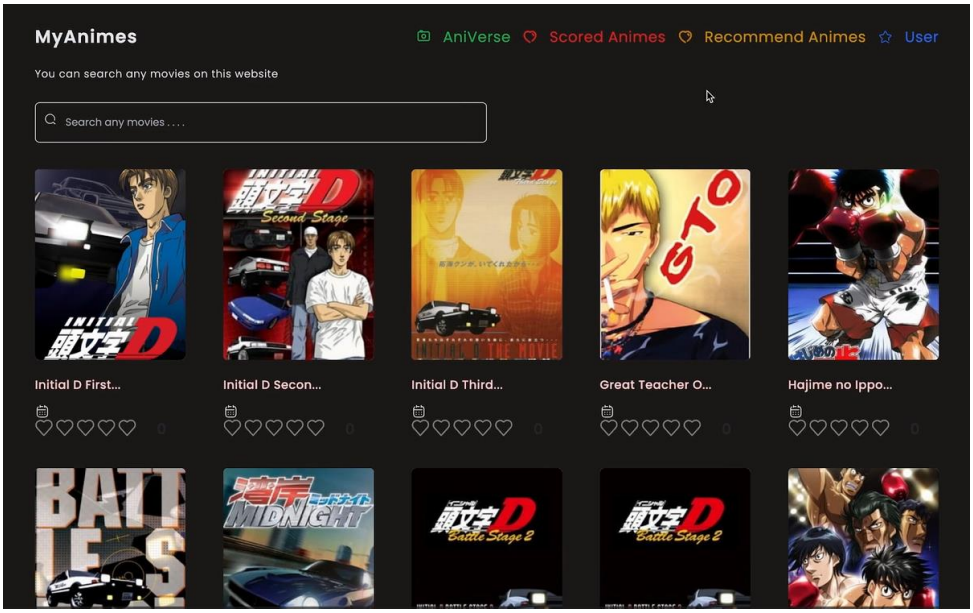


2.3.3 Scored anime

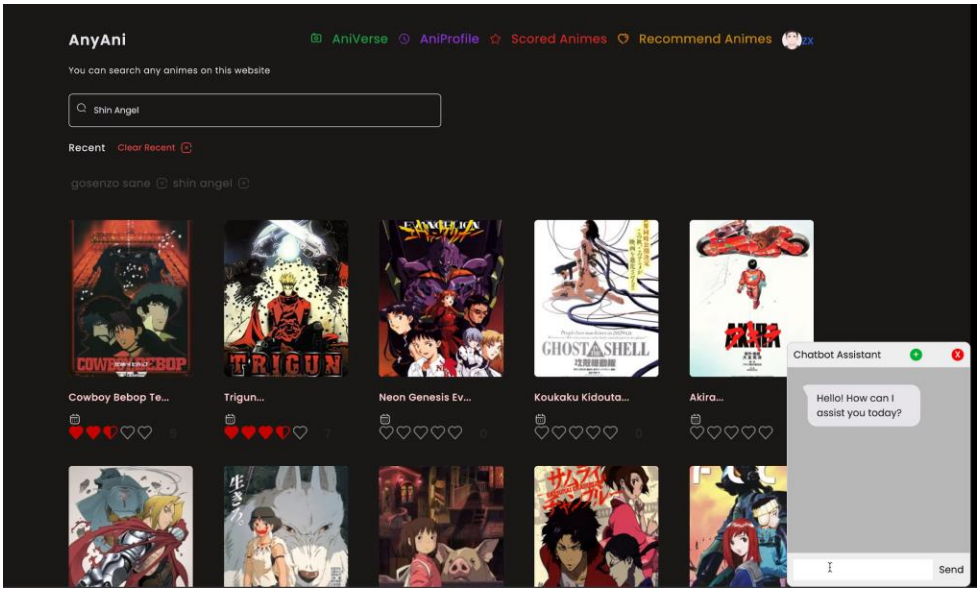


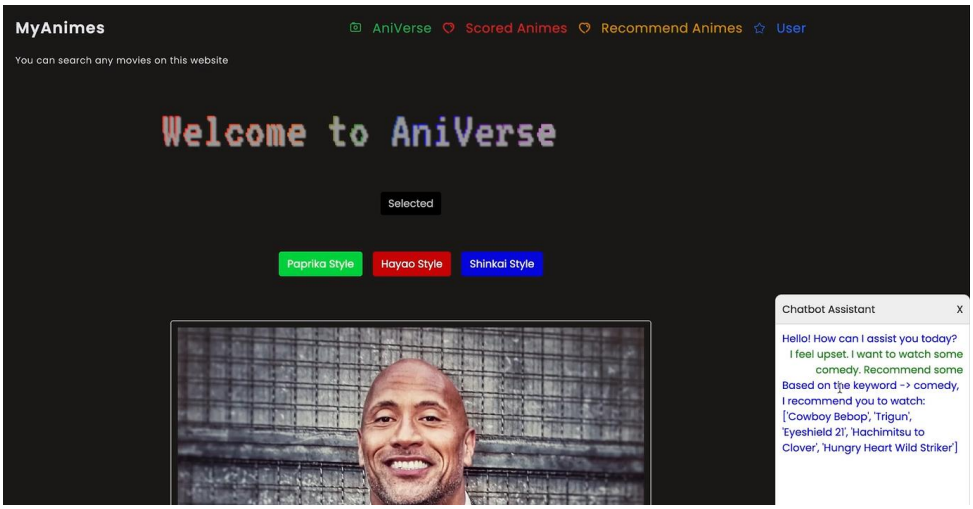
2.4 Recommendation function

2.4.1 Get recommendation by rating



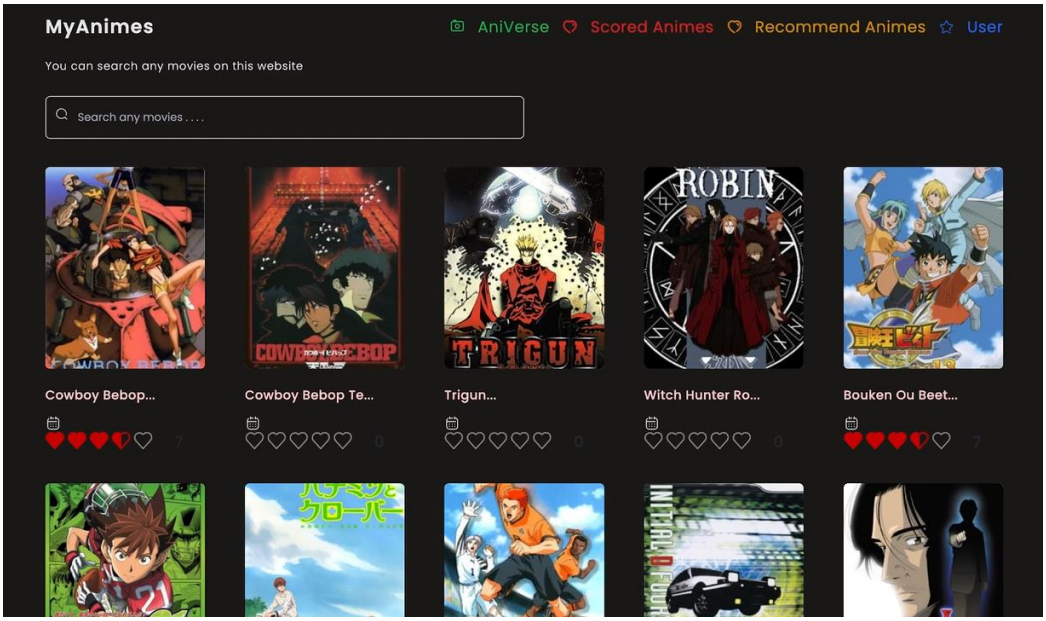
2.4.2 Get recommendation by chatbot





2.5 Functions of system

2.5.1 Search video



3. Interface document

Method	URL	parameters	remarks
POST	**/login**	**{ "username" : "145", "password" : "145" }**	**Login**
POST	**/register**	**{ "username" : "145", "password" : "145", "email" : 123@163.com }**	**Register**
GET	**/detail**	**None**	**detail**
GET	**/anime**	**None**	**anime**
GET	**/recommend**	**None**	**recommend**
GET	**/get_userid**	**None**	**Get_userid**
GET	**/rating/fetch_ratings/<account_id>/<anime_id></anime_id></account_id>**	**None**	**Fetch_ratings**
POST	**/rating/upload_ratings**	**{ "accound_id" : "145", "anime_id" : "145", "score" : 10 }**	**Upload_ratings**
GET	**/rating/nonzero_rating/<account_id></account_id>**	**None**	**Nonzero_rating**
POST	**/Anyani/upload_image**	**{ "image" : file }**	**Upload_image**
POST	**/chatbot**	**{ "userMessage" : text }**	**chatbot**
POST	**/Anyani/upload_image_aniverse**	**{ "image" : file }**	**Upload_image_aniverse**
GET	**/content/outputs/<filename></filename>**		**Get_outputs_images**