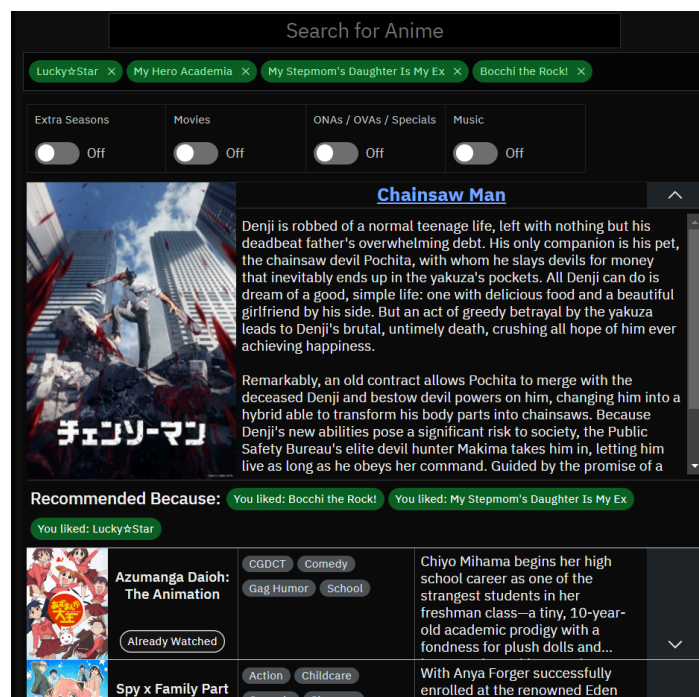


SQR Project: Anime Recommendation App “AniRecs”

Project Description:

AniRecs helps users find new anime titles based on their preferences. It suggests anime titles to users based on their viewing history, genre preferences. Users can make profiles to customize their preferences, save favorite anime titles. The application also includes a database of anime titles with detailed information and API integration for accessing additional data. The app lets users search for specific types of anime easily, share with others, and make personalized lists. Something like this: [Sprout Anime Recommender](#)



Possible functional requirements:

- Simple user registration and login functionality.
- Profile management for users to customize preferences and save favorite titles.
- Recommendation system based on viewing history, genre preferences, and community ratings.
- Manual add/edit list of anime titles recommendations .
- Database of anime titles with detailed information, including images, descriptions, genres, ratings.
- Access estimation about anime titles through API calls to other API.
- Search functionality for easily finding specific types of anime.
- Sharing feature to share recommendation list of anime titles with others.
- Ability for users to create personalized lists of anime titles.
- Gather statistics on anime genre based on user preferences.

Quality Requirements:

Maintainability:

- Code coverage: More than 60%
- Technical Debt: Less than 15% via SonarQube
- Code reviews: 2 per pull request

Reliability:

- Uptime: 98% excluding scheduled maintenance
- Mean time to recovery: 1 hour
- Error rate: Less than 5%

Performance:

- Page load time: Less than 2 seconds
- Response time: Less than 500 milliseconds
- Concurrent users: 100

Security:

- Data Encryption: Implement encryption for all user data.
- Authentication and Authorization: Achieve a minimum of 95% success rate in user authentication processes.
- Input Validation: Ensure 100% coverage in input validation to prevent SQL injection and cross-site scripting (XSS) vulnerabilities.