

# COSC480 Project: Statement of Intent

## Anime Recommendation System

### **Background**

I chose this project because of my love for anime and my goal to help other fans find new shows they will enjoy. With so many anime titles available, it can be difficult to discover ones that match individual genre preferences. A dependable recommendation system can make it easier to discover and enjoy new anime that suits their tastes.

### **Outline**

The goal is to create a recommendation system for anime shows that are customized to individual user preferences and preferred genres. This will involve using a genre-based filtering technique to provide accurate suggestions. The project will include gathering data, preparing data, building and testing recommendation models, and finally, introducing a recommendation system for users.

### **Methodology**

- Anime datasets can be collected from Kaggle or similar websites, focusing on genres, ratings, and user reviews.
- Prepare the data by cleaning it up to address any issues and ensure it is suitable for analysis.
- Extract essential features like genre and user ratings to enhance the dataset.
- Build a model for a genre-based filtering technique to develop the recommendation system, grouping similar genres for better suggestions.
- Finally, build the system as a web application or GUI to allow users to interact with it.

### **Possible Roadblocks**

- The accuracy of recommendations may be affected by data issues like incomplete or messy data.
- It is important to ensure that the system can effectively handle a large amount of data, especially as more users and anime titles are added.
- Finding a middle ground between advanced algorithms and the need for quick, real-time suggestions.
- Making sure that the system meets the needs of diverse users, considering different preferences and avoiding bias towards popular genres.