# CS355 Databases

# Fall 2019

# Project Proposal

**[Content Recommendation System]**

Affan Amir Mir (am04405)

Muhammad Ahsan Syed (ms02743)

# *Submitted to*

Ayaz Khan

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Habib University, Karachi

**Introduction**

A preference selection database that will allow users to search for the category of content they like. It will also give them the option to specify the number of seasons, episodes, production studio and it will retrieve items from database according to the selected preferences. Users will also have the option to create different Watch lists accordingly and add and remove different shows/movies in it.

**Example for a content:**

TV Show: Dragon Ball Super

Category: fall 2019 etc..

Genre: Action etc..

Description: In this anime the protagonist X does Y while trying to xyz….

Audio: Dubbed

Number of seasons: 2

Status: On going

Production: Toei Animtion

**Instructor's Comments: In addition to the problem statement and objectives of the project, you were also required to write the business scenario that can be used to draw the system's ERD and design the interfaces. So, you should include the complete business scenario with details of entities and its attributes, business processes, relationships, and constraints.**

**Business Scenario:**

* Important details about a business scenario:
  + Situation description:  
      
    We aim to create a platform where anyone will be able to search and save what content they would like to see. This searching may be specific to number of seasons or in general, like searching any content based on genre.
  + All actor roles and sub-measurements

We have identified two main roles in our scenario. One is the admin that will be responsible for adding all the content in the database. The other is the user that will be searching the content based on their preference.

* + All services required

The main services in this scenario are adding content, looking content based on preference, adding watch list, adding content to watch list and deleting content from watch list

* + Breakdown

Each content will belong to some genre. There may be different types to a content like a content may be a movie or a TV show. Further information may also be added like number of parts or any movie, number of seasons of any TV show, there production houses, actors, directors etc.

* The critical steps between actors
  + Looking up

Once the admin adds any content with some information about it in database user will be able to search according to any parameter of the information added by the admin

**Front-end Development**

Our current application will be a ‘Content Recommendation System’ which will be a Windows application form that will be used to search shows & movies depending on user preference and then a view details form will be implemented showing all details of selected movie/show and the option to add it to your own personalized Watch list.

**User interface:**

User interface will consist of options to search any content. This content may be either searched by title or type of content, i.e. Animated, Movie, TV show. They will also be able to see any content based on number of parts of any movies, number of seasons of any TV show or animated TV show, they will also be able to see content based on production houses, i.e. Netflix, HBO, Kyoto Animation etc. Furthermore, user interface will also give a user to create one or more watch lists. A user can add and delete any content to this watch list.

**Admin interface:**

The main task of the admin interface is to enter and remove content in the database. They may enter content Based on type.

If it is a movie then further information will be added, animated or not, like description, production house, parts of movie (if any) as well as actors and directors etc.

If it is a TV movie then further information will be added, like description, animated or not, production house, number of seasons, as well as actors and directors etc.

**Tools& Technologies**

Back-end: SQL Server

Front-end: C# Windows Application form