Abstract
(Movies and Shows Database)

Course Code: CS254 **Course Title:** DBMS LAB

Semester: B. Tech 4^{th} Sem **Section:** S2

Academic Year: 2020-21 **Course Instructor:** Dr. Annappa B and Mr. Sharath Yaji

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Brief Description:

The project we'll be working on is related to information on movies and tv shows. Popular movies and TV shows will be listed with their cast members, trailers, pictures, trivia and much more. Movies and TV shows will be sorted in the order of their ratings and genre. Movies can be found by selecting one or multiple genres, cast, director, release date.

We will be maintaining a database in MySQL containing data about various movies and tv shows. We will be displaying the ratings of multiple films/shows and their brief description. We will be providing a link to the respective Amazon Prime or Netflix portal for a movie(You need your own subscription though). We will also be including features such as most watched movies and recently added movies so users can find them easily. We will be keeping an authentication setup. Once a user registers, he/she can log back in anytime as per his/her wish. We will be developing our frontend with the help of HTML, CSS and bootstrap. For backend, we are using node.js, express.js, MySQL as a database. And we will use ORM sequelize to connect to MySQL. We will be using Amazon Web Services(AWS) S3 bucket for storing static files like images. We are using amazon IMDb as a base for our project. We will use an online movie database to get our data from.

Key Features:

1. Login facility
2. User rating for movies and shows

3. Tags for movie selection
4. Link for the selected movie/show
5. Most watched movie
6. Recently added
7. Feedback/rating facility

Software Specifications:

- Frontend: HTML5,CSS ,Bootstrap
- Backend: Node.Js, MySQL

References:

1. https://nodejs.org/en/docs/
2. https://getbootstrap.com/docs/4.1/getting-started/introduction/
3. https://dev.mysql.com/doc/
4. https://sequelize.org/
5. https://www.imdb.com/

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