Ahsanullah University of Science & Technology
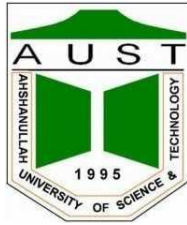## Department of Computer Science & Engineering

Internet Movie Database

Database Lab (CSE 3104)

Submitted By:

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Abstract

Internet movie database will be a database of world films and television series which will include cast and their respective category and ratings. Data into the database can be contributed by volunteer contributors. The database will have information about the role of an actor and will show the names of the movies they have been a part of. Additional information will also be included such as movies and TV shows adaptions from books, awards won by actors, actor management and movie production companies and actors as voice actors in audiobooks. All of these data will be interconnected allowing us to seamlessly browse through and search for data in the database.

Design & Motivation

The design to the database software will enable the user to access data easily without showing unnecessary information. The design layout will be simple which will allow data retrieval and data entry to be done easily.

Platforms

Programming Language: JAVA

Database: SQL Server

Tools: Netbeans IDE, Microsoft SQL server

Features

Features will be separately accessible to three types of users – Generic, Registered and Admin.

Admin: (exclusive to this type of users only)

- Add new movie/TV shows/actors/companies and their details into the database
- Update any data in the database

Registered: (accessible to Admin type as well)

- Add reviews and ratings to movies and TV shows
- Mark movies and TV shows as favorites

Generic: (accessible to all users):

- obtain any information from the database

Schema Translation:

Actors (*Actor_ID, DOB, Nationality, Name, Years Active*)

Awards *(Award_ID, Name, Category, Year*)

Movies *(Name, Release Date, Length, Language, Director, Producer, Rating, Genre*)

Companies *(Company_ID, Founder, Year of Establishment, Products, Services*)

TV Shows *(Name, Release Date, Number of Seasons, Language, Director, Producer, Rating, Genre)*

Books (*ISBN, Author, Name, Year Published, Genre, Language*)