



Software Requirement Specifications

Contents :

1. Introduction
2. Purpose of use
3. Project Utility
4. Movie Data References
5. Details of user logins

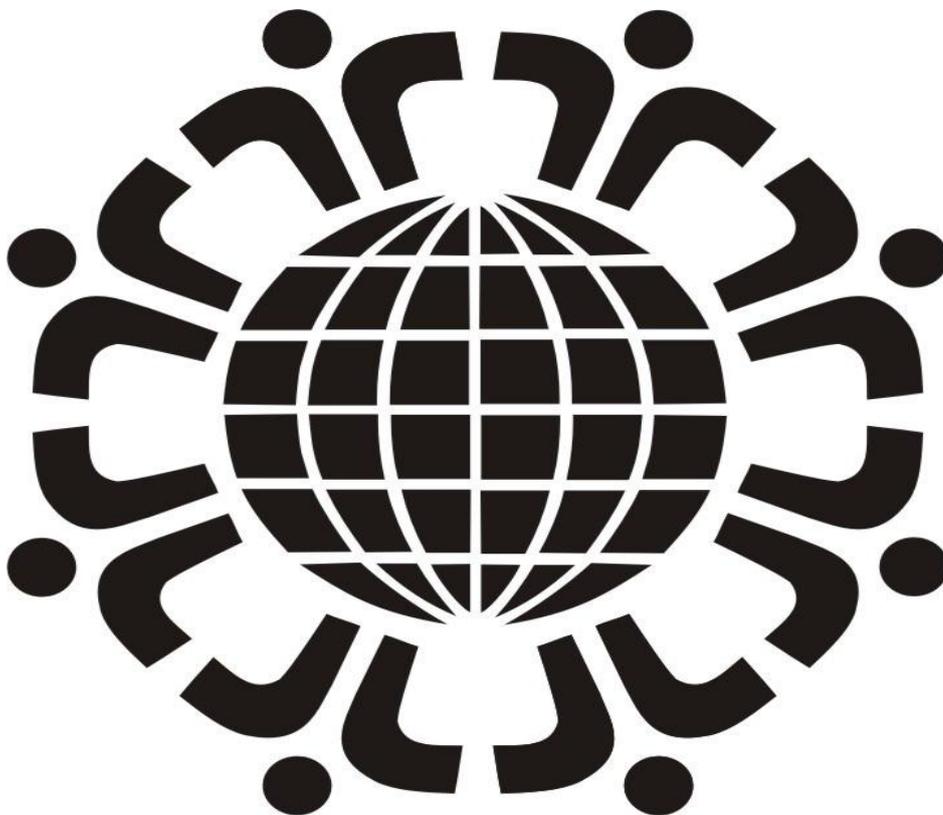
6. Problems we faced during project

7. Interface Platforms

8. Acknowledgement

- *Introduction*

Movie Library Management



Welcome to the world of **iitMdB** . We through this effort of ours wish to provide you with a good experience of managing and searching movies as you wish and make you enjoy a number of utilities we wish to provide you like searching movies based on your favourite actors, directors and release date. We are also inclined towards providing you with luxuries of reviewing with stars out of 5, make your own account, login as a guest etc for different movies. Hope our effort provides you with a joyful experience. Team effort by :- Pranay Nahar

Gurjot Singh Walia

Kanchan Khetan

Ram Pal Dahiya

- *Purpose of Use*

1.1 This document is about the system requirement specifications of software iitbMdB which intends to provide you a good movie management experience.

1.2 Intended user suggestions:

This software a public user friendly targeted towards the use by people from every field and spheres of life.

1.3 Project utility scope:

To build an interactive and user friendly database management system. This is an endeavour to build a *relational movie database accessing by the members and user logins.*

1.4 Movie data references: Basically data taken from open movie database sites eg IMDb etc. Movies credited to different actors, directors and genres.

- *Project Utility*

2.1 Details of movies in the library

A separate database for movies which contains the details about the movies like cast, director, release date etc. Also there we provide users to star rate a specific movie on the scale of 1 to 5.

2.2 Details of user logins

Separate login mechanisms and provisions for members, new member logins and guest users. We have also decided to plan out a way so that the password that a user enters doesn't come as it is but rather as a series of stars '*'. This was not able to be accomplished.

2.3 Members login

Members are allowed to login using their usernames and passwords. Members have the facility to update the database and also can edit and rate the database.

- *Movie Data References*

We got the data about the movies from the well known open source movie data base management applications and websites like IMDb, Dailymotion.com, Watch32.com etc.

- *Details of user logins*

Separate login mechanisms and provisions for members, new member logins and guest users.

Members login

Members are allowed to login using their usernames and passwords. Members have the facility to update the database and also can edit and rate the database. We have also devised a way to save the reviews of a user about a particular movie as a comment passed by the user.

- *Problems we faced during the project*

The biggest problem we faced was to learn to use SQL database and we are proud that we pulled it off.

Second problem was to make the sign up function and then record the data entered by the user in the data base table in a way

so as to **reduce the execution time and the memory space used by the program variables** .

- *Interface Platforms*

We have used Microsoft Visual Studio 2010 as our compiler program and coding platform.

Operating system : Windows 7 or higher versions, linux /Ubuntu.

Database : Versions of SQL .

Platform : Microsoft Visual Studio 2010

Linking the database created using `sqlcmd` to the C++ program

Accessing the database for specific information from the C++ program like searching certain columns and rows. Storing the database centrally for use by all the users. Memory for storage of database.

We have stored our recorded data which include movie data, usernames and passwords of different users , rating and reviews of different movies etc.

We have invoked a lot of different libraries and queries which include

stdio- This is the standard input/output header file library.

iostream- This is the standard header file to be included in every program.

conio - This is the header file which enables to show the input and output on the console.

cpp.conn/driver.h

cpp.conn.exception.h
resultset.h
statement.h
prepared_statement.h

We have connected to programs like **boostcpp.h**.

- *Acknowledgement*

We want to thank many people for the success of this project which include the members of our team of course, our TA Arun Babu and our teachers Prof. Supratik Chakraborty and Prof. Deepak Phatak. A very special thanks to Prakhar Nahar for giving his wise and timely suggestions and reviews about our project. Overall it was a fun and learning experience to be able to learn from such able and helping peers and teachers. Proud to be able to pull this off.