Project Requirement Document

# MyMovieList

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## Project Description (Udaypal Singh)

Our proposed project is MyMovieList, a social media web application for both avid and casual moviegoers!
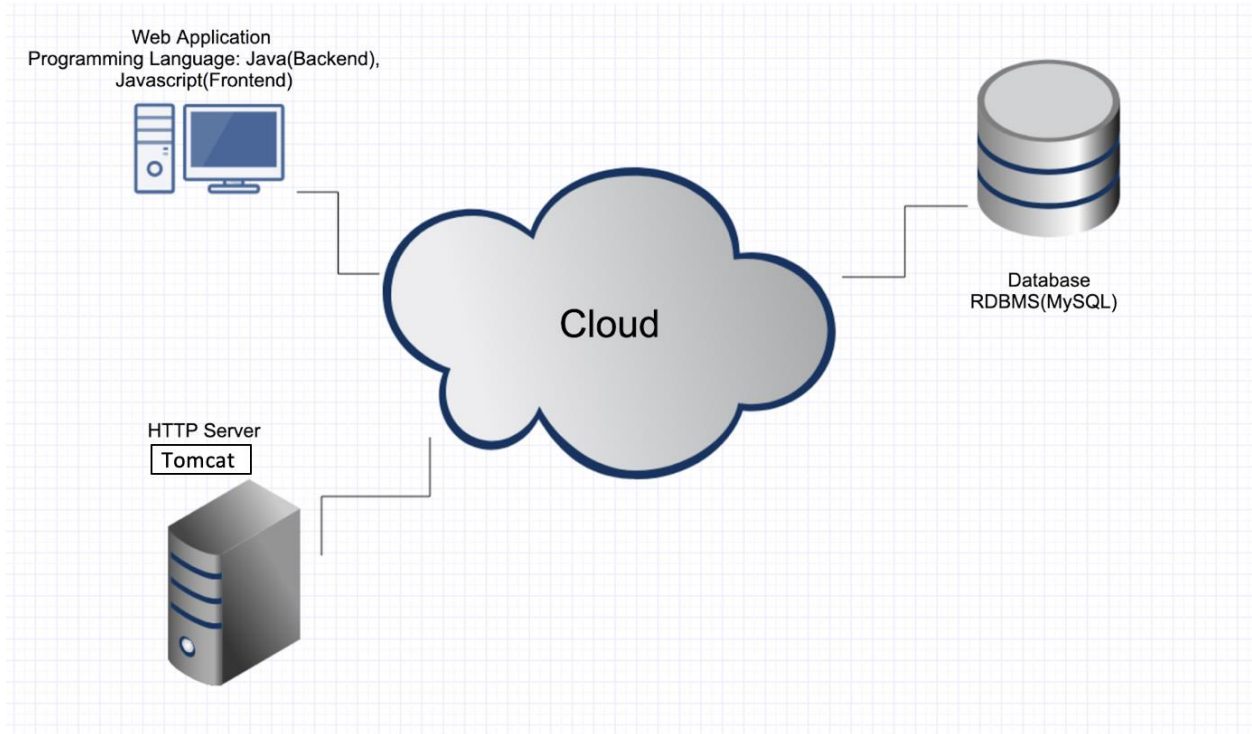
The purpose of MyMovieList is to give movie watchers a platform to show off all the movies and tv shows they have watched, as well as leave reviews for these movies and tv shows. Ultimately, we want this application to be one that people will use for their movie inquiries and connecting people with similar interests.

The stakeholders for this web application will be mostly teens and young adults, along with movie enthusiastic people. Stakeholders can be anyone from a general population to a professional critic. The targeted audience for this web application is passionate movie and film viewers.

Many tend to forget which movies they have watched, so using this web application will allow them to track the list of movies they have watched with the rating given by the user. Often, people have the same interest as their friends, so people can look at their friends' movies list and look at the reliable rating and suggestions made by their friend.

## System Environment
Structure of System

Hardware and Software Used:

- HTTP Apache Tomcat
- Windows

RDBMS Used:

- MySQL

Application Languages Use:

- Java Servlet
- JSP
- HTML
- CSS
- SQL

# Non-functional Issues

Graphical User Interface:

  The user interface of this application will be user-friendly and easy to use. The search bar for searching movies would be placed on top of the web application for easy accessibility. The features of the application such as movie list would be visible to the user by sorting based on latest, oldest, and rating. There will be dedicated buttons "Invite" which will take the user to his or her friend's list and allow user to invite other users to watch a movie together. To minimize complexity, the rating will be shown next to the movie title and can also be accessed to edit or change reviews of a movie. The rating will be shown in sets of star shape ranging from 1 to 5. This will increase the accessibility and interaction of user with our web application.

Security:

  The user must login with username and password to access his or her movie list. The user must provide a valid email account to create a login credentials for this web application. This prevents others to gather information about the user and maintains confidentiality. The user will have an option to view his or her profile with the other users in the friend's list. The HTTP server uses TCP/SSL connection which ensures the data will be encrypted, and it will not be easily decrypted by an attacker. TCP also ensures the connection from both ends, server and the client, so the data will be delivered to the client securely without losing the packet throughout the process.

Access Control:

  A user will be able to access his or her own movie list, and movies from the database. A user can also share movie list with friends and other users. However, a user cannot change or edit another users' movie list. Every user will only have access to their own list, with read and write permission.