

Social Network for Movie

Version 0.2

Akshay Kumar Tadapathri
Binita Nayak
Gauri Lahare
Nithin Bhardwaj Sridhar
Sumuka Gummarajju

VERSION CONTROL

Version Number	Date of change	Document Type
0.1	27/11/2018	Draft
0.2	05/12/2018	Final

Contents

1. INTRODUCTION.....	4
1.1 Purpose	4
1.2 Intended Audience.....	4
1.3 Scope.....	4
1.4 Overview	4
1.5 Definitions and Acronyms.....	4
2. SYSTEM OVERVIEW AND ARCHITECTURE	4
2.1 Architectural Design.....	4
2.2 Use Case Diagram	5
2.3 Application Flow Diagram	6
3. DATA DESIGN	7
3.1 Data Schema	7
4. USER STORIES.....	7
5. NICE TO HAVEs.....	8

1. INTRODUCTION

1.1 Purpose

Social Network for Movies (SNM) is an application whose intent is to provide a seamless experience to the movie lovers. It aims at simplifying a common man's decisions or plannings pertaining to movies of his choice.

The purpose of this document is to present the design description of Social Network for Movies application.

1.2 Intended Audience

- SNM project supervisor
- Project team members
- All other stakeholders who are interested in this project

1.3 Scope

This document describes the detailed design of the project. The application architectures, interfaces and the database layer are explained in this document.

1.4 Overview

This document describes the system architecture, data design, scope for the next iteration of the project and the user stories aimed to be fulfilled in this project.

1.5 Definitions and Acronyms

Acronym	Definition
SNM	Social Network for Movies
JVM	Java Virtual Machine
CLI	Command Line Interface
ORM	Object Relational Mapping

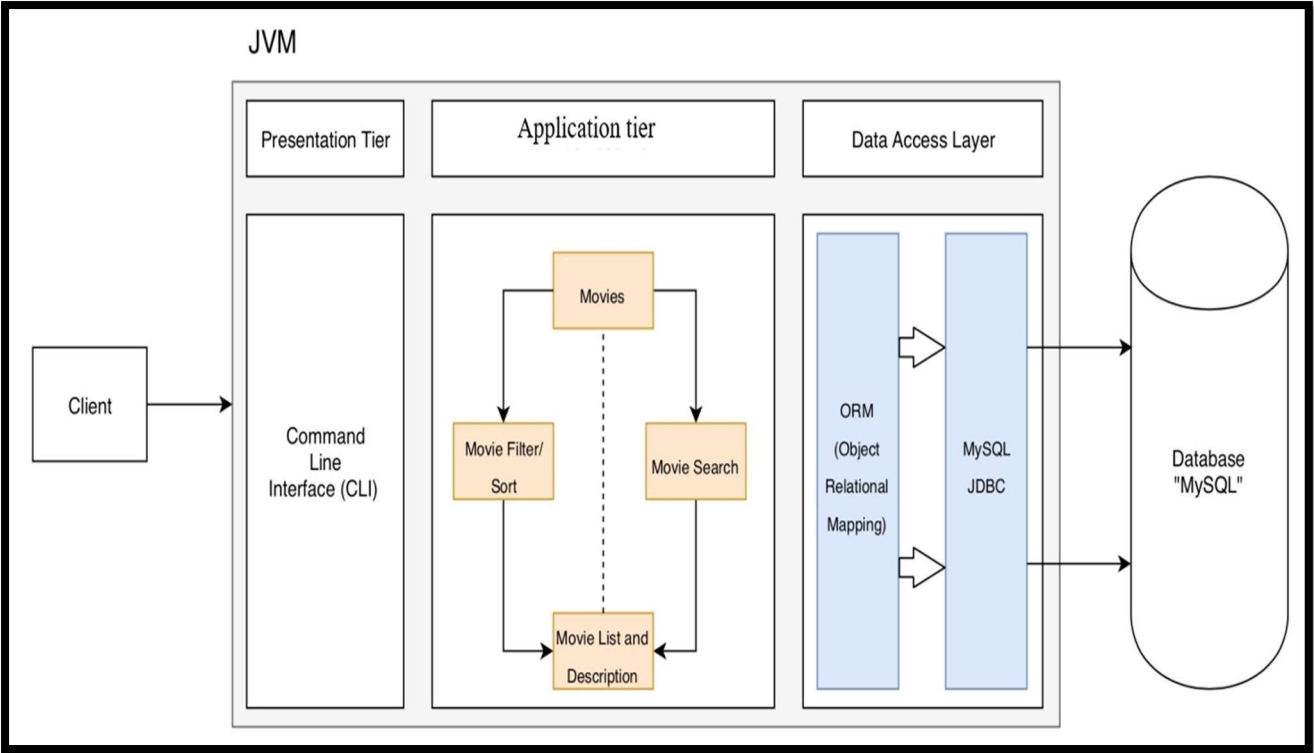
2. SYSTEM OVERVIEW AND ARCHITECTURE

The architectural design, use case diagram, application flow diagram are mentioned in this section.

2.1 Architectural Design

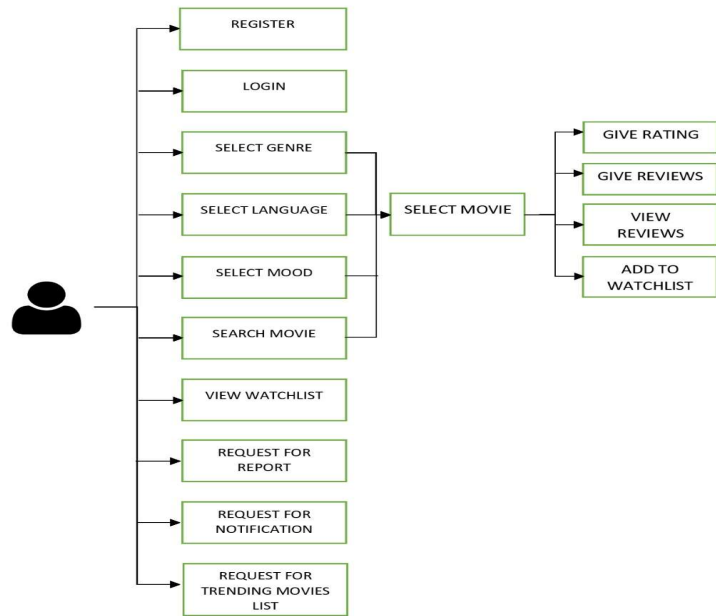
SNM is a Core Java application hosted on JVM, utilizing JDBC to run the data access layer, Hibernate as the ORM tool, Maven as the software project management and comprehension tool , a few external libraries, Dynamic Jasper for report generation and CLI for the presentation layer.

SNM has different modules that come together to provide the required functionalities.



2.2 Use Case Diagram

This section describes the functionalities that the user is entitled to in the SNM application.

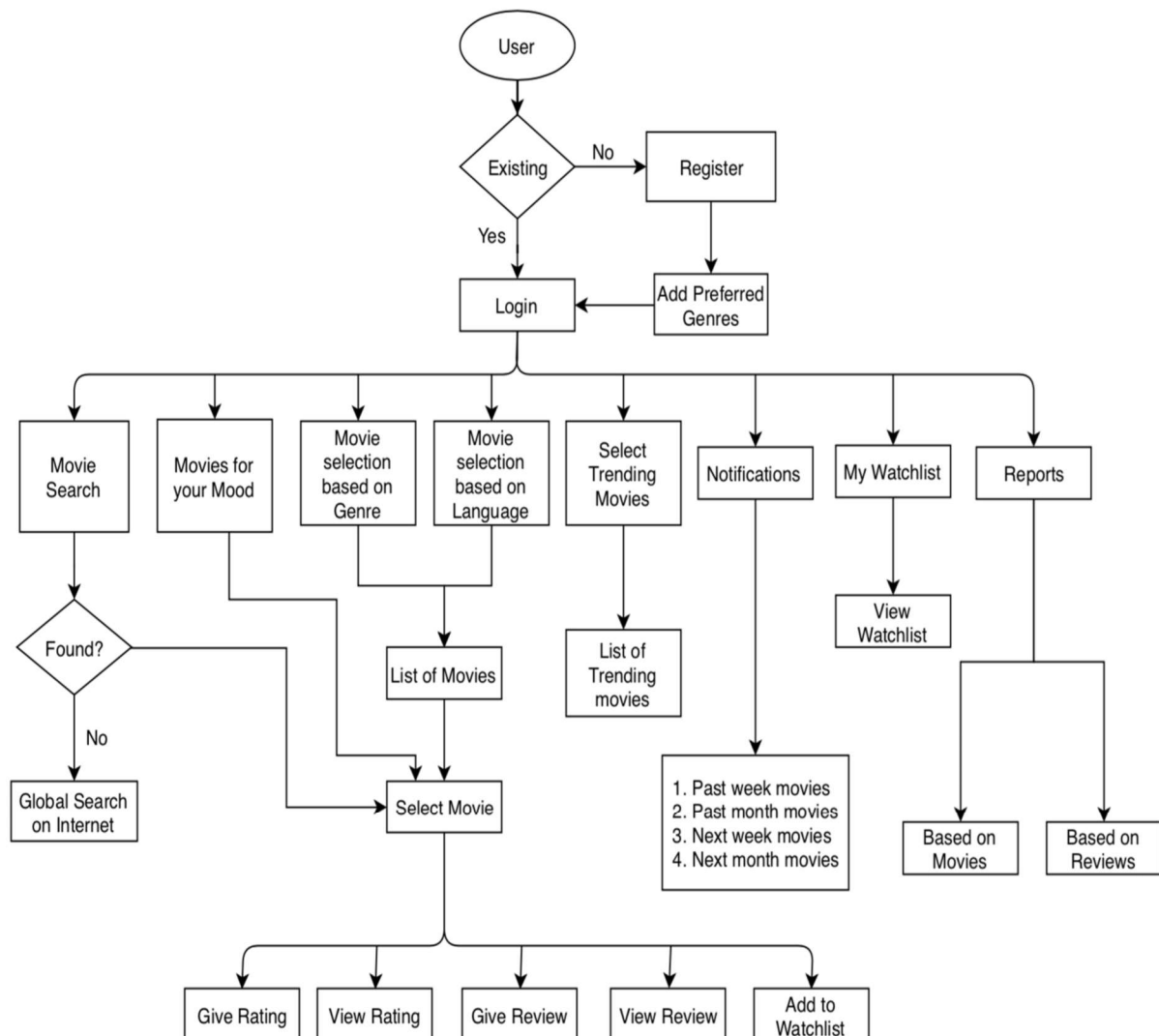


2.3 Application Flow Diagram

In this section the application flow is explained. The functionalities of the application can be divided into three parts broadly i.e the registration/login page, the dashboard, the exit page. The dashboard displays options such as

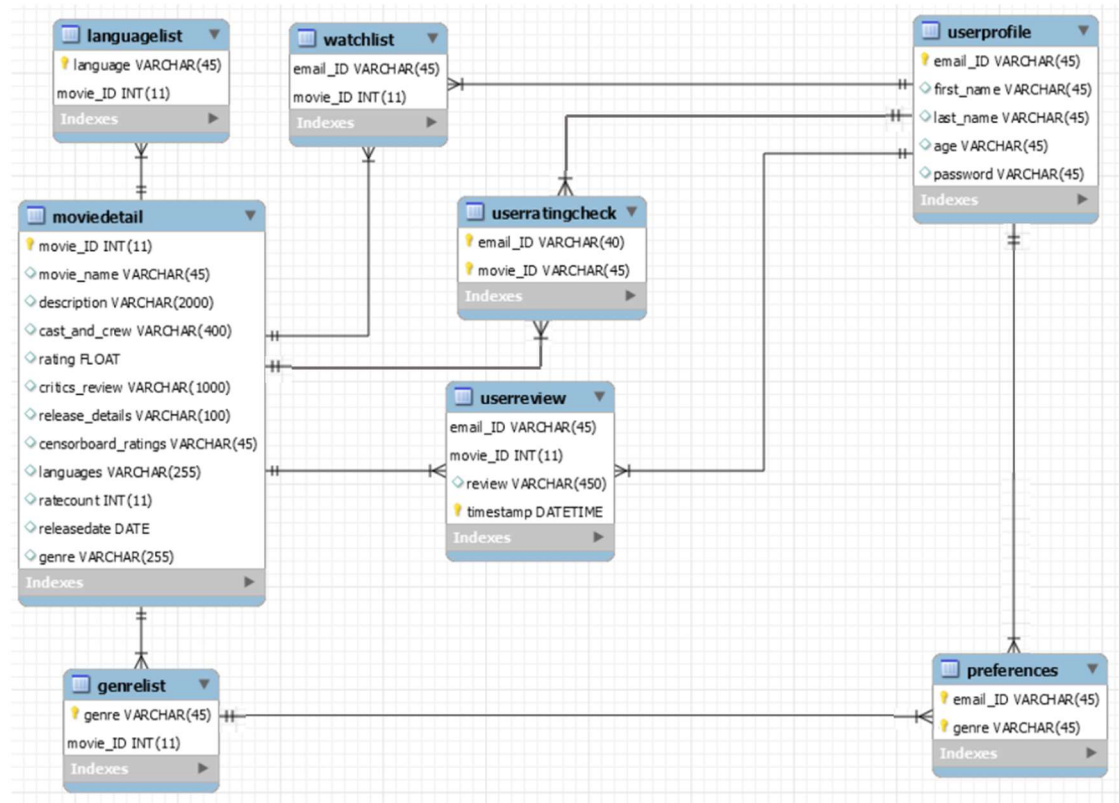
1. Genre
2. Language
3. Trending Now
4. Notifications
5. Movie Search
6. My Watchlist
7. Reports
8. Global Search
9. Movies for your mood

Based on various options , the user is redirected to other pages and further features are demonstrated accordingly.



3. DATA DESIGN

3.1 Data Schema



4. USER STORIES

USER STORY 1: As a User, I want to register onto the app, so that I can login from the next time and I don't have to provide all details again.

USER STORY 2: As a User, once I log in to the application, I should be able to select the Genre/Language based on which the list on movies are generated with filter and sort options, so that I can categorise the movies of my choice .

USER STORY 3: As a User, once I click on a specific movie, I should be able to see the details of the movie, so that I get overall idea of the movie and set my expectations right.

USER STORY 4: As a user, I would like to get a list of trending movies , so that I get to know the market value of the movies.

USER STORY 5: As a User, I would like to get notifications related to movies released in last week, released in last one month, to be released in next week and to be released in next one month , so that I can plan upon a particular movie if needed.

USER STORY 6: As a User, I should be able to add a movie of my choice to my watchlist, so that I have a track of the movies that I wish to watch in future.

USER STORY 7: As a User, I want to receive notifications regarding a movie based on genre of my choice and the reviews of movie of my choice, so that I get to know about views of others.

USER STORY 8: As a User, I want to search any movie to watch its trailer and get other information, so that I form general idea of the movie.

USER STORY 9: As a User, I want to rate a movie, so that it helps others to decide upon a particular movie.

USER STORY 10: As a User, I want to give and view reviews for a particular movie, so that I can interact with other movie lovers.

USER STORY 11: As a User, I want to search for a particular movie and get redirected to the various links if it is not there in the application database, so that I can get to know about that movie .

USER STORY 12: As a User, I want to search movies based on mood , so that I can change my mood by watching those movies.

5. NICE TO HAVEs

Few aspects of SNM application that are to be undertaken in the future iterations are –

- Providing a more interactive platform for the users by implementing the group discussions feature.
- Providing a better UI experience to the users by integrating the back-end code with front-end.
- Modify SNM application to support worldwide location coverage.