TECHNICAL SPECIFICATION DOCUMENT

Movies Project

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# Introduction

Movies Project is an application is developed during SE 3rd semester using React, Nodejs, Express, MongoDB, Java and PostgreSQL

# Requirement Specification

User registration and authentication: Allow users to create accounts, log in securely, and maintain their personal information.

Video catalog: Provide a comprehensive library of movies, TV shows, and other video content.

Recommendations and ratings: Use algorithms and user data to suggest personalized content based on viewing history, ratings, and other metrics.

Security and privacy: Ensure that user data is protected and comply with relevant data privacy regulations.

# Scope definition

Topics within scope of project

* + User registration
  + User login
  + Watch trailers
  + Navigate to latest movies, recommended movies, top 10 most popular movies and top 10 most rated movies

# Dependencies

## Setup

* Install Nodejs
* Install Java 8
  + MonogoDB cluster and collection on MongoDB Atlas
  + Install PostgreSQL
  + Install IntelliJ and Visual Studio Code

Software and hardware requirements

### Software Requirements

|  |  |  |
| --- | --- | --- |
| **Front End** | | React |
| **Backend** | | Java 8 and Nodejs |
| **Database** | | PostgreSQL DBeaver Console, MongoDB cluster and collection |
| **Version Control** | | GIT |
| **Testing** | | JUnits |
| **Hardware Requirements** | | |
|  | **Hardware** | **Requirement** |
| Operating System | Windows, Linux, Mac |
| RAM | Min. 256 MB |
| Disk space | Min. 500 MB |
| Processor | 64 Bit, four core, 2.5 GHz min per core |

# End-to-End diagram

Diagram

Description automatically generated

# Class diagram

Diagram

Description automatically generated