

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

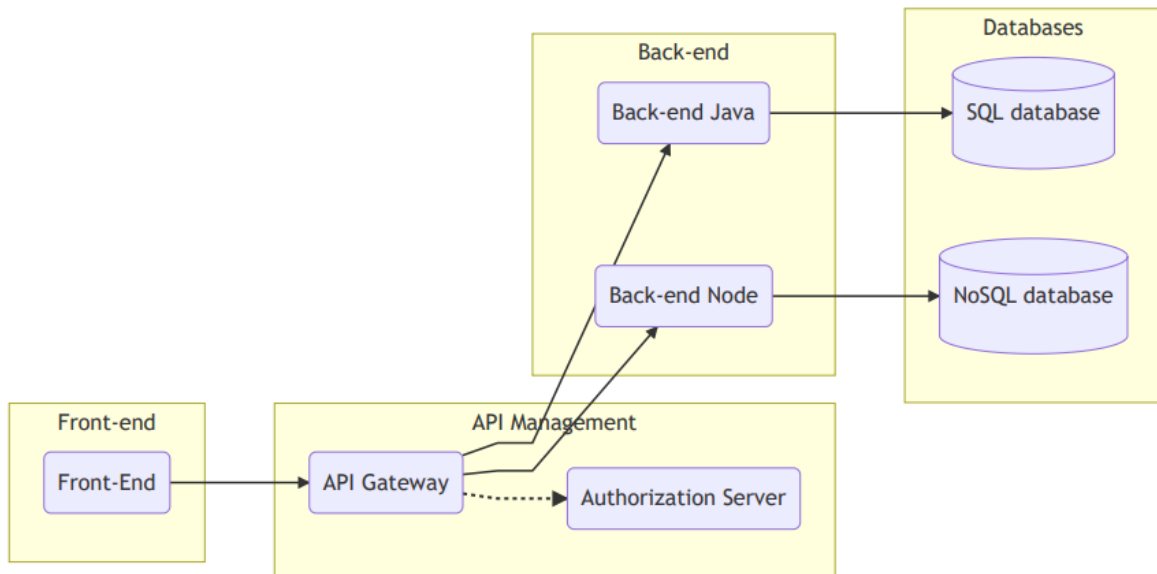
Software Requirements

| | |
|------------------------|--|
| 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



Class diagram

