

# **TECHNICAL SPECIFICATION DOCUMENT**

## **Movies Project**

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## Table of Contents

Introduction.....	3
Requirement Specification.....	3
Scope definition .....	3
Dependencies .....	3
Setup.....	3
End-to-End diagram .....	5
Class diagram.....	6

## 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

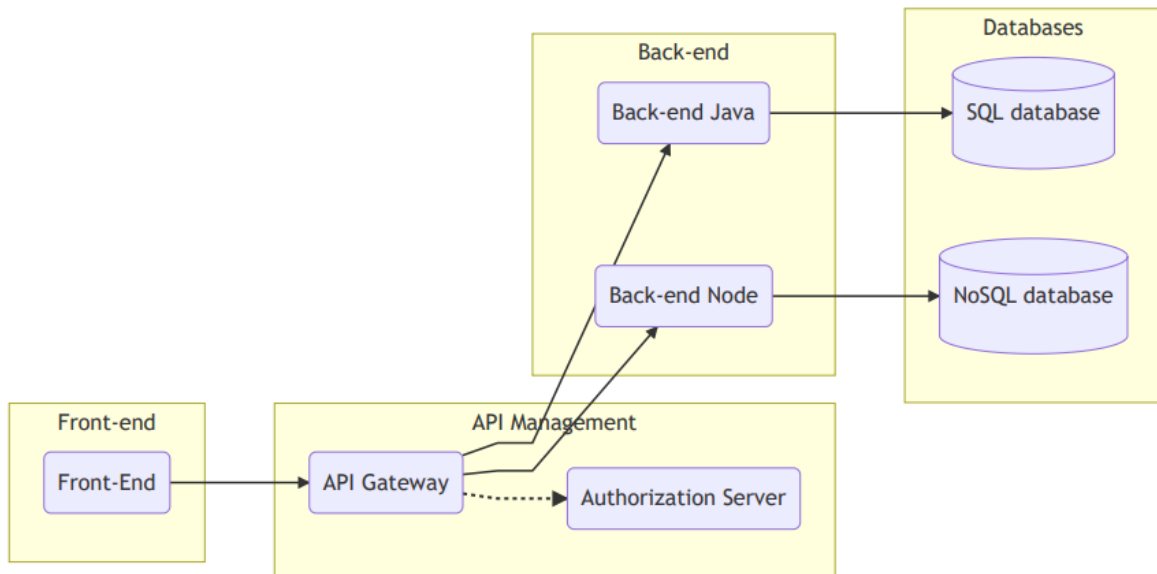
### Software Requirements

<b>Front End</b>	React
<b>Backend</b>	Java 8 and Nodejs
<b>Database</b>	PostgreSQL DBeaver Console, MongoDB cluster and collection
<b>Version Control</b>	GIT
<b>Testing</b>	JUnits

### Hardware Requirements

<b>Hardware</b>	<b>Requirement</b>
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

