

g3t1-oop SETUP GUIDE

Backend - Starting the Spring Boot Server

This guide will provide instructions on how to start our backend springboot monolithic server.

Prerequisites

1. Install [Java](#)
2. Install [Maven](#)

Recommended Visual Studio Code Extensions

1. Install the [Spring Boot Extension Pack](#)
2. Install [SonarLint](#)

Running the Project

1. Open the terminal in Visual Studio Code
2. Navigate to the project's root directory
3. Run the command `mvn clean install` to build the project.
4. Run the command `./mvnw clean install spring-boot:run` or `./mvnw spring-boot:run` to start the application.

Running Tests

1. Open the terminal in Visual Studio Code
2. Navigate to the project's root directory
3. Run the command `mvn clean test` to run all tests and coverage check
4. Run the command `mvn jacoco:report` to generate a coverage report which can be found in the `target/site/jacoco` directory (useful if you cant meet coverage requirements)

Dependencies/Plugins used

1. [Project Lombok](#)
 2. [Spring Data MongoDB](#)
 3. [Spring Web](#)
 4. [Jacoco](#)
 5. [Spring Boot DevTools](#)
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Frontend - Starting the React Application

This guide will provide instructions on how to start our backend springboot monolithic server.

Prerequisites

1. Install [Node.js](#)
2. Install [NPM](#) package manager

Recommended Visual Studio Code Extensions

1. [ESLint](#)
2. [Prettier - Code formatter](#)
3. [Vetur](#)
4. [Reactjs code snippets](#)
5. [Debugger for Chrome](#)

Running the Project

1. Open the terminal in Visual Studio Code
2. Navigate to the frontend folder
3. Run the command `npm install` to install project dependencies.
4. Run the command `npm start` to start the application.