

Design Specifications

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Packages

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Dependencies

- **Front-End (Angular 4):**
 - **Node.js (version 6.9 or higher):** JavaScript runtime environment.
 - **npm (version 3 or higher)**
 - **Angular CLI (@angular/cli)**
 - **Angular Framework (@angular/*):** Includes the core Angular modules and libraries:
 - * @angular/core
 - * @angular/common
 - * @angular/compiler
 - * @angular/platform-browser
 - * @angular/platform-browser-dynamic
 - * @angular/router
 - * @angular/forms
 - * @angular/httpThese are managed by npm.
 - **TypeScript**
- **Back-End (Java/Spring):**
 - **Java 8 (JDK or OpenJDK):** The programming language and development kit.
 - **Spring Framework (Spring Boot):** The core Java enterprise framework. Key dependencies include:
 - * spring-boot-starter-webDependencies are managed by **Gradle**.
 - **Gradle:** Build automation tool for Java projects.
 - **Microsoft SQL Server JDBC Driver (sqljdbc42.jar):** A Java Database Connectivity driver for connecting to Microsoft SQL Server.
- **Database Management:**
 - **Microsoft SQL Server:** The relational database management system.
 - **Microsoft SQL Server Management Studio (SSMS)**
 - **DBeaver (Alternative):** Universal database tool.

Libraries

- **RxJS**