

02 - Creating A Data Rest Project

🔑 Steps to Create a Spring Data REST Project:

1. Create a Maven Project:

- Create a new Maven project.
- Provide the necessary Group ID and Artifact ID.

2. Add Required Dependencies in pom.xml:

- Add the necessary dependencies in the pom.xml file to include Spring Data JPA, Spring Data REST repositories, Lombok, and PostgreSQL driver.

```
<dependencies>
  <!-- Spring Data JPA -->
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-jpa</artifactId>
  </dependency>

  <!-- Spring Data REST -->
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-rest</artifactId>
  </dependency>

  <!-- Lombok -->
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <scope>provided</scope>
  </dependency>

  <!-- PostgreSQL Driver -->
  <dependency>
    <groupId>org.postgresql</groupId>
    <artifactId>postgresql</artifactId>
    <scope>runtime</scope>
  </dependency>
```

3. Database Configuration in application.properties:

- Add the PostgreSQL database configuration in the application.properties file located in the src/main/resources directory.

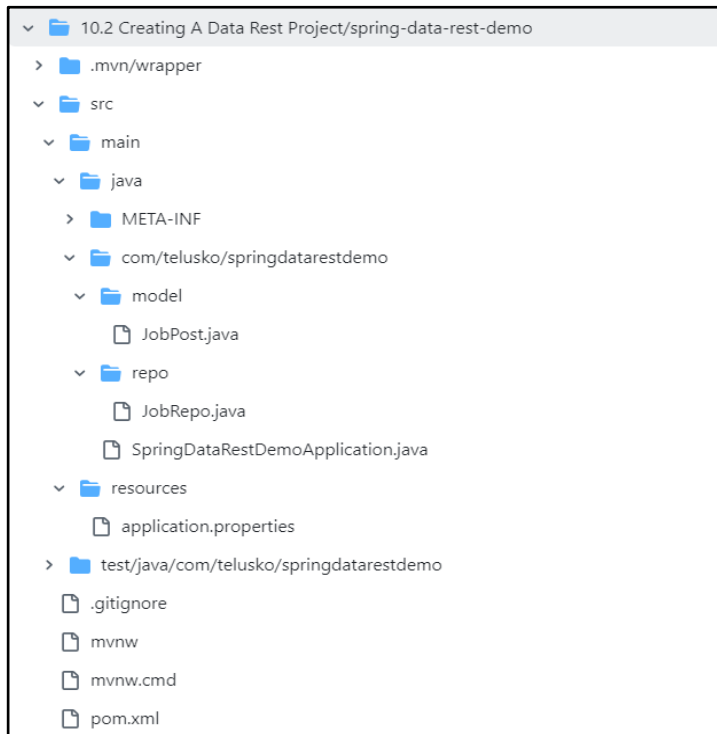
Database configuration

```
spring.datasource.url=jdbc:postgresql://localhost:5432/your_database_name
spring.datasource.username=postgres
spring.datasource.password=your_password
spring.datasource.driver-class-name=org.postgresql.Driver
```

JPA and Hibernate configuration

```
spring.jpa.show-sql=true
spring.jpa.hibernate.ddl-auto=update
```

👉 Project Structure:



Link for the Code:

<https://github.com/navinreddy20/spring6-course/tree/c6690e4f2c70d8f530d70623f13d14ff0ffd7e7d/10%20Spring%20Data%20Rest/10.2%20Creating%20A%20Data%20Rest%20Project/spring-data-rest-demo>