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.

```xml
<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:**
   o Add the PostgreSQL database configuration in the application.properties
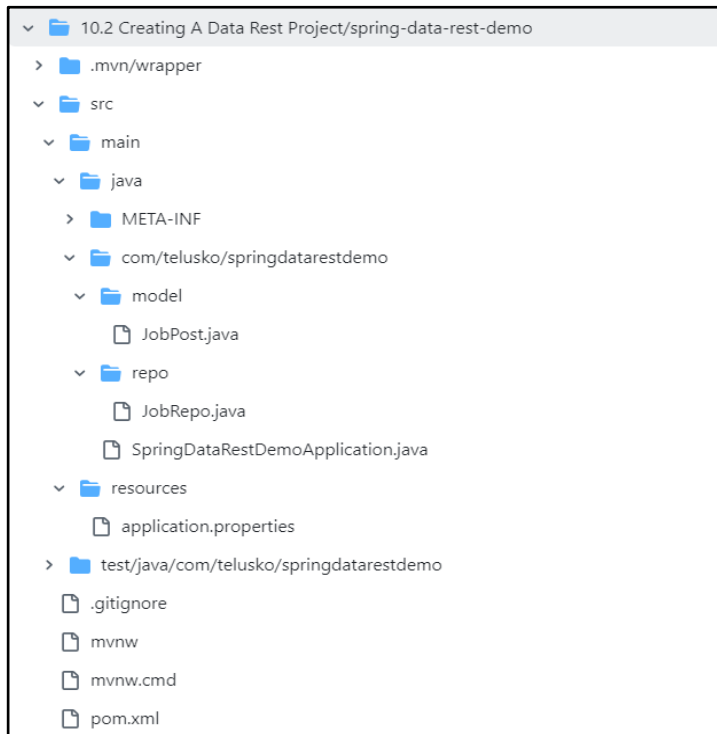   file located in the src/main/resources directory.

```
# 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:**

```
✓ 📁 10.2 Creating A Data Rest Project/spring-data-rest-demo
  > 📁 .mvn/wrapper
  ✓ 📁 src
    ✓ 📁 main
      ✓ 📁 java
        > 📁 META-INF
        ✓ 📁 com/telusko/springdatarestdemo
          ✓ 📁 model
              📄 JobPost.java
          ✓ 📁 repo
              📄 JobRepo.java
            📄 SpringDataRestDemoApplication.java
      ✓ 📁 resources
          📄 application.properties
    > 📁 test/java/com/telusko/springdatarestdemo
    📄 .gitignore
    📄 mvnw
    📄 mvnw.cmd
    📄 pom.xml
```

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