

### **Step 1: Create Spring Boot Project using Spring Initializr**

1. Go to Spring Initializr.
2. Fill in the project metadata:
  - Group: com.example
  - Artifact: student-management
3. Choose the following dependencies:
  - Spring Web
  - Spring Data JPA
  - MySQL Driver
4. Click Generate to download the project zip file.
5. Extract the downloaded file to a suitable location.

### **Step 2: Import Project into Eclipse IDE**

1. Open Eclipse IDE.
2. Go to File > Import....
3. Select Existing Maven Projects and click Next.
4. Browse to the location where you extracted the project and select the root directory (where pom.xml file is available).
5. Click Finish to import the project.

### **Step 3: Copy Code into Project**

1. Copy provided Java files to src/main/java/dataManagement.dm.
2. Copy stddata.html to src/main/resources/static.
3. Copy application.properties to src/main/resources.

### **Step 4: Configure Dependencies in pom.xml**

1. Ensure pom.xml contains dependencies for:
  - Spring Boot Starter Web
  - Spring Boot Starter Data JPA
  - MySQL Connector Java
  - Spring Boot Starter Test
  - Dependencies for handling file uploads

### **Step 5: Configure Application Properties**

1. Open application.properties and set MySQL database connection properties according to your local setup.

### **Step 6: Run the Application**

1. Locate DmApplication.java in src/main/java/dataManagement.dm.
2. Right-click on DmApplication.java and choose Run As > Java Application.

### **Step 7: Test the Application**

1. Access defined RESTful endpoints:
  - <http://localhost:8080/api/students/> to get all students.
  - Use other endpoints for CRUD operations and file uploads as described in StudentController.java.

### **Step 8: Verify Functionality**

1. Verify CRUD operations and file upload/download functionality.

### **Run the Application:**

1. Select the project folder (student-management).

Employee data management project notes

2. Right-click, choose Maven, then Update Project... to update dependencies.
3. Right-click DmApplication.java, located in src/main/java/dataManagement.dm.
4. Choose Run As > Java Application.

**Access the Application:**

1. Once the application is running, open a web browser.
2. Go to <http://localhost:8080/api/students/html> to access the application.

By following these corrected steps, you should be able to set up and run the Spring Boot project in Eclipse effectively.

Thank You!