03 - Running the Project

In Spring Data REST, there is no need to create controllers manually. The repository layer is automatically exposed as RESTful web services, making it simpler to interact with data entities.

👉 Accessing Data via URL:

- Once the project is running, we can access and retrieve data by visiting specific URLs.
- For example, if we have a JobPost entity and repository, we can retrieve all job posts by visiting:

  http://localhost:8080/jobPosts

👉 HATEOAS Support:

- Spring Data REST automatically provides **HATEOAS (Hypermedia as the Engine of Application State)**. This means that the API responses not only provide the requested data but also include links to related resources, such as:
  - Self-links to the resource.
  - Links to related entities or actions (e.g., GET, POST, DELETE).
- It makes it easier to discover related resources and perform other operations.

👉 Steps to Run the Spring Data REST Project:

1. **Run the Spring Boot Application:**
   - Use the IDE to run the Spring Boot application.
2. **Access the Data:**
   - Open the browser or a tool like Postman and visit the appropriate URLs (e.g., http://localhost:8080/entityName) to interact with the automatically exposed RESTful endpoints for entities.

3. **HATEOAS Links:**
    - In the responses, we will notice **HATEOAS links**, which provide additional URLs to related resources, making it easier to navigate between different entities or actions in the application.

Link for the Code:
https://github.com/navinreddy20/spring6-course/tree/c6690e4f2c70d8f530d70623f13d14ff0ffd7e7d/10%20Spring%20Data%20Rest/10.3%20Running%20The%20Project/spring-data-rest-demo