

## Job Assignment: Java Developer

**Objective** Develop a simple REST application using Spring Boot for managing pets. The application must expose REST APIs for creating, updating, deleting, and retrieving pet information.

### Requirements

- The candidate must implement a Spring Boot application with Java 17+.
- Use of a relational database. For the purpose of this exercise, it is sufficient to mock database access services.
- Exposure of REST APIs using Spring Web.

### Additional Requirements

- A refactoring of the application has already been planned to replace the chosen database with a non-relational one. The code should be somewhat prepared for this eventuality.

**Project Description** The application must manage a **Pet** entity with the following properties:

- **id** (Long, auto-generated)
- **name** (String, required)
- **species** (String, e.g., "Dog", "Cat", "Rabbit", required)
- **age** (Integer, optional, must be greater than or equal to 0)
- **ownerName** (String, optional)

The application must provide a set of REST APIs for accessing the **Pet** entity.

### Additional Considerations

- The code should be well-structured and readable.
- The requirements are intentionally minimal, allowing the candidate the freedom to implement the project following the best practices they consider important.

### Delivery Mode

- The candidate must submit the code via a public or private GitHub/GitLab repository (in the latter case, access must be shared).
- The estimated completion time is between **2 and 3 hours**.
- The candidate has **7 days** to complete the task from the receipt of this document.

### Evaluation Criteria

- Adherence to the specified requirements
- Code quality (readability, organization, best practices)
- Correct implementation of the APIs
- Use of the required technologies

If the candidate has any questions or needs clarifications, they can contact the technical team.

Good luck!