Pet Adopt

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Concept

- ♦ Fully utilize Java, Spring, HTML/CSS, JS to create a full stack system.
- ♦ Use API endpoints and use POST, GET, PUT, DELETE to manipulate data.
- ♦ Use AXIOS in the front end to access the API endpoints.
- Follow best coding practices
- ♦ Reach for at least 80% test coverage.

Consultant Journey

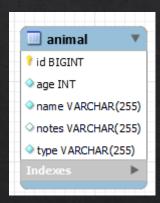
Technologies learned before and during the project:

- Spring Boot
- ♦ HTML/CSS
- ♦ JavaScript
- ♦ JSON
- ♦ API POST, GET, PUT, DELETE
- ♦ Postman

Documentation

UML

ERD



Animal

-id : long

-type : String

-name: String

-age: int

-notes: String

+getId()

+setId()

+getType()

+setType()

+getName()

+setName()

+getAge()

+setAge()

+getNotes()

+setNotes()

+hashCode()

+equals()

AnimalController

service: AnimalService

+create : Animal

+getAll: List<Animal>

+getById: Animal

+updateAnimal: Animal

+removeAnimal: Boolean

+findByType: List<Animal>

Animal Service

- repo : AnimalRepo

+create : Animal

+getAll: List<Animal>

+getById: Animal

+updateAnimal: Animal

+removeAnimal: Boolean

+findByType: List<Animal>



findAnimalByType : List<Animal>

«interface»

JpaRepository<Animal, Long>

Jira/Sprints

Refer to Jira page

Version Control

Refer to GitHub

Testing

- ♦ 97% Coverage was achieved.
- ♦ Both unit and integration testing were used for the back-end.
- ♦ Jacoco index.html generated for test results.
- ♦ Refer to test/main/java

Demonstration

Refer to the project

Review/Retrospective

- ♦ Achieved MVP tasks
- ♦ Reached more than 80% test coverage
- ♦ Adherence to best practice
- ♦ Utilized feature-branch model
- Utilized Jira's GitHub functionality

Future improvements:

- ♦ Filter by Type
- Different view based on admin or guest accessing the page
- Different functionality based on admin or guest accessing the page
- Create a different page for each entry
- Attach pictures to each entry
- Prettify the front-end more

Questions?