ENSF607 API Milestone Report

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Overview

This report intends to provide some explanations and demonstrate our API is capable of providing standard HTTP requests such as put, post & etc.. These demonstrations are shown through Postman.

A Postmen collection for corresponding APIs will be uploaded to github.

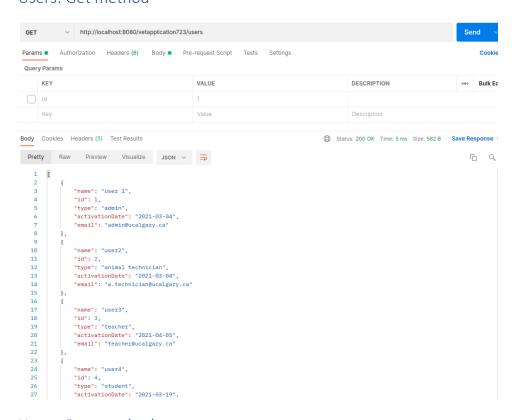
Demonstration

Manage Users

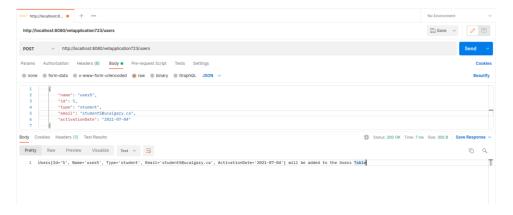
Users and Comment tables from sample data sheet are used for the "Manage Users" epic. The Comment table is renamed to Alert for providing alerts for users. They are programmed in the same way and therefore Users table will be shown as example runs here.

The APIs for "Manage User" has four methods implemented: get, post, put and delete.

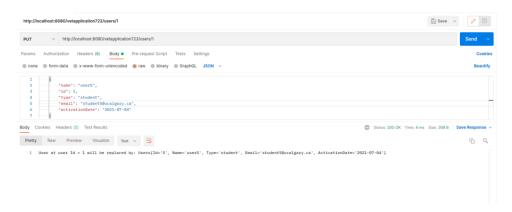
Users: Get method



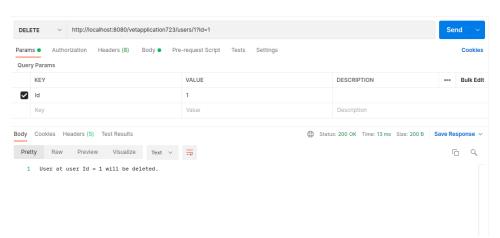
Users: Post method



Users: Put method



Users: Delete method



Treatment

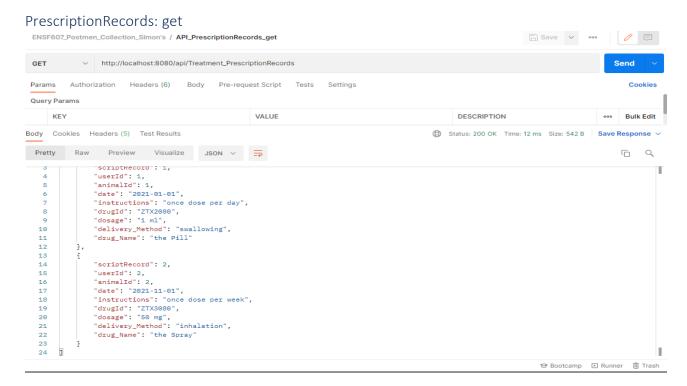
The epic of Treatment includes user stories of diagnose/prescribe animals, tracking injuries status for teaching, and alert users of animal diseases and problems.

The APIs for Treatment includes CommentController, PrescriptionRecoredsController, TreatmentMethodController and MedicalRecordsTypeController.

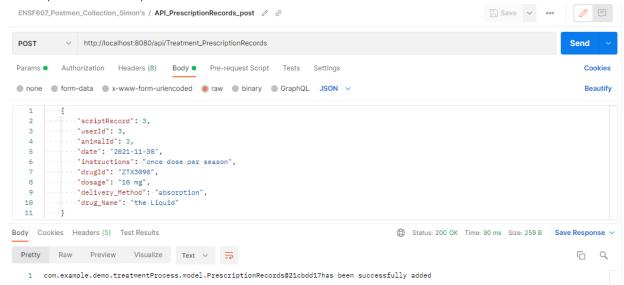
- Story of Diagnose/prescribe may be satisfied by APIs: MedicalRecordsTypeController TreatmentMethod Controller and PresciptionRecoredsController.
- 2. Story of tracking injuries status may be satisfied by APIs: MedicalRecordsTypeController
- 3. Story of Alert Users may be satisfied by: CommentController, please be noticed that this comment controller is solely used for alert.

The APIs are implemented using Spring Boot and based on MVC architecture. To test the performance of API, "Repository" is implemented in the form of List object to mimic databases. We acknowledge that a real database is completely different, and hence the APIs will be adjusted once a real database is constructed.

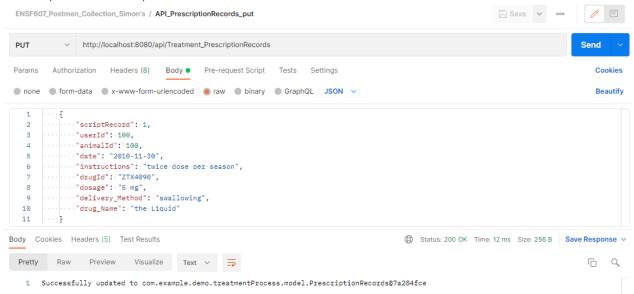
PrescriptionRecords, TreatmentMethod, MedicalRecords and Comment are implemented in a similar way. PrescriptionRecords is chosen to demonstrate GET, POST, PUT and DELETE operations in this report.



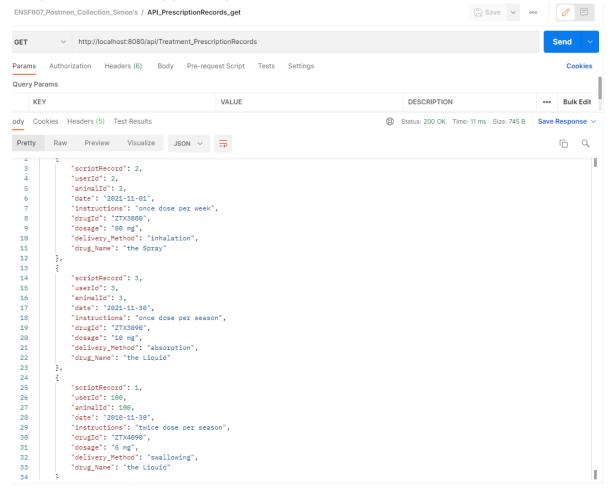
PrescriptionRecords: post



PrescriptionRecords: put



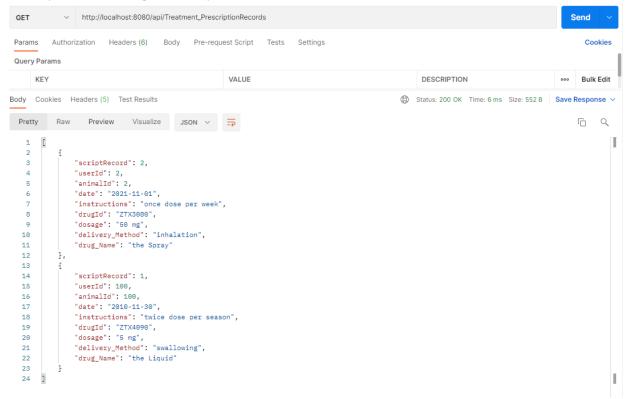
PrescriptionRecords: verify put and post



PrescriptionRecords: delete



PrescriptionRecords: get – verify delete



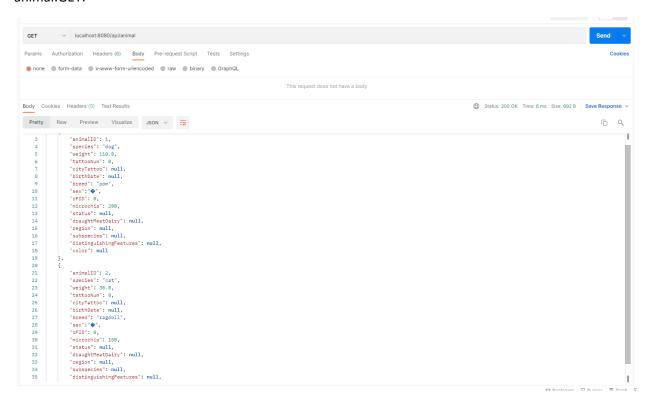
Animal Management

There are multiple endpoints related to Animals in this API, including:

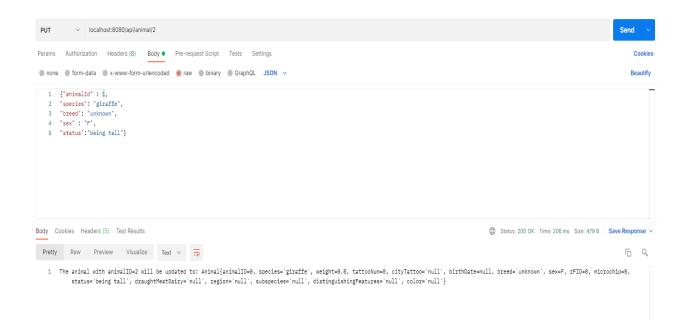
- Animals
- Images
- AnimalStatus
- AnimalStatusImages
- ExamHistory

The GET, POST, PUT, DELETE requests are implemented for each end point. Demonstrations are shown below for the /api/v1/animal endpoint:

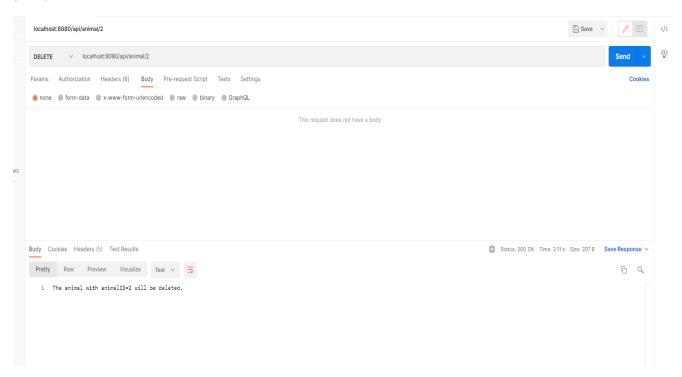
animal:GET:



animal: PUT:



animal: DELETE:



animal:POST:

