### CRUD Application: Test Plan

#### Introduction

The application is a simple CRUD application where a user can create, read, update and delete a note. A note can have a title, content and a created date.

This document will describe the test plan for the application described above.

#### Tech stack

* Maven/Java project
* Postman for API testing
* GitHub

#### Test Objectives

Since this is a CRUD application that relies on database and CRUD operations, the main testing objectives will be to test if a user can use the application for its purpose.

**Functional testing**

* Test if the user can create a note with the correct input
* Tests to see if the user can access a note if a correct and valid ID is provided
* Test if the user can delete a note if a correct and valid ID is provided
* Test if the user can update a note if a correct and valid ID is provided

**API testing**

Much of the functional testing is to test the functionality of the application and if the user can communicate with the database through API. Therefor we also need to test if:

* The API returns correct HTTP status codes for different scenarios
* Confirm data validations (if the user misses something)
* Test error handling and edge cases

**Non-functional testing: Security**

* Only with a valid and existing username and password provided in Postman before note is created
* Valid and existing username and password provided in Postman before being allowed to update note. Username should also be owner of note
* Only owner can delete

#### Scope

#### Resources

#### Risk