**STATEMENT OF PURPOSE**

**Microservice Requirements:**

* IntelliJ IDE
* H2 Database
* JDK 1.8
* Spring Boot
* Junit dependency
* Thymeleaf
* Spring Boot DevTools
* Gradle

**Microservice Development Plan:**

1. Build Gradle project from the spring initializr website, setting the language to Java and adding in all the required dependencies.
2. Generate project and extract all into the necessary folder.
3. Open file in IntelliJ and begin creating new packages and classes required for the microservice.
4. Create and apply the methods necessary to build the microservice.
5. Create HTML files under the templates folder to exhibit outputs to the webpage.

**What the microservice will do:**

This microservice acts as a personal planner which enables the user to input their daily tasks and take down notes as a reminder of the upcoming tasks for that current day.

**What business problem it addresses:**

With ongoing duties needed to be fulfilled on a daily basis, this microservice will help assist individuals execute and keep track of the number of tasks and responsibilities they have listed.

**The target audience:**

This application is aimed more towards business individuals in the corporate world that tend to have an excessive number of duties to carry out and would often need a reminder of how many tasks to complete.

**Microservice features:**

* Intake of user input such as the current date to enable user to list tasks set out for that day.
* Ability to store more than one set of tasks in microservice which allows user to input as many daily duties as possible.
* Enables user to update notes or tasks incase of errors made.

**Implementation Plan:**

1. I generated my Gradle project from the spring initializr website.

2. I then created a new GitHub repository and named it ‘FinalProject’ and stored my Gradle project into that folder.

3. Once I opened up IntelliJ, I imported my ‘FinalProject’ folder into my IDE, and from there, I created my packages:

- controller

- model

-repository

-service

and then created my classes within those packages:

-Under controller package – PlannerController

-Under model package – Planner

-Under repository package – PlannerRepository

-Under service package – PlannerService, and PlannerServiceImpl

4.

**Acknowledgments:**

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