**Project: Recipes**

# **Introduction:**

This document given detail information about the Recipes Project. Recipes is project which gives privilege to the User to add the recipe, delete the recipe, update the recipe, get the required recipe and get the recipe based on filters.

# **Technical Overview:**

Recipes project is implemented using SpringBoot and REST API’s. Each service is implemented as micro service and exposed as standalone application.

Here SpringBoot is chosen to implement the project because SpringBoot provides more flexibility to implement REST API services. In addition to that SpringBoot has security features like OAuth2 and JWT token based authentication in addition to certificate based authentication.

# **Architecture:**

Please find below High Level Architecture of Recipes Project.

REST API

Embedded Tomcat Server

Database

Call HTTP(POST,PUT,GET,DELETE) Request JSON

Response JSON

Recipes Project is implemented using multitier architecture to decouple code each layer and incorporate future needs.

Below diagram gives more detail information about each layer.

DAO Layer

Service Layer

Controller

View Layer

Consumer

Database