***Software Requirement Specification***

***Project: Marketing Master App***

Problem Statement

Marketing Master App is to build a platform to analyse the customer trends on purchase across the nation and market the product accordingly. It needs to provide the marketing team some insights about customer details, potential products based on age, product ranges, statewide interest

Features

* User Registration: Allows users to create an account to access the application's personalized features.
* Sales Search: User needs to search based on various categories like state, occupation, age group etc
* Summary Sales Data: Users can maintain the statewide summary of sales for further analysis
* Managing Summary: Users can view and delete the summary sale data.
* Updating Personal Details: Users can update their personal information as needed. User should be able to reset the password
* Secure Login/Logout: Data access is secured through registration and login processes. Users must be able to log out/time out after inactivity

Microservices

* User Profile Service:

/addUser POST

/updateUser UPDATE

/DeleteUser/ DELETE

/GetUser/UserId GET

/ViewByState GET

Model Class:

* User Id
* User Name
* Email Address
* Age
* gender
* state
* occupation
* phone Number
* Zone
* Authentication Service:
* For generating token. End points

/addUser - Post

/login - Post

ModelName: User

* username
* Password
* userid (primary key)
* phone
* country
* age
* **Sales Service:**

/Product Category GET

/User Id GET

/State GET

/Age Group GET

/Zone GET

* **Summary Service:**
* /add - Post
* /view/{userid} - Get
* /delete/{userid}/ - Delete
* /viewByState -GET
* ViewByProductCategory -GET
* /UpdateByProductCategory -UPDATE
* UpdateByZone -UPDATE
* /Delete/State -DELETE

Model Class:

* User Id
* User Name
* Email Address
* Product Category
* State
* Zone
* Age Group
* **API Gateway Service:** Manages routing and load balancing for microservices.
* **Discovery Service:** Enables service registration and discovery using Eureka.
* **Centralized Configuration Service:** Manages configuration settings across microservices. (Optional)