## Meeting 3: Review of Use Case Diagrams and Architectural Planning

**People who attended:**

Member 1: CloudTables-Customer

Member 2: CloudTables-Service and GitHub Repository

Member 3: CloudTables-Manager

**Focus of meeting**

-go over and communicate over the use case diagrams for each sub system

Discuss any issues or concerns any members may have

-begin first plan of the microservices-based architectural design

-delegate tasks for producing uml activity diagrams

**Summary of meeting**

-all member have completed their first use case diagram for there given sub system

**Use case diagram review**

CloudTables-Customer (Member 1):

Presented us a use case diagram with aspects such as booking, food ordering, payment, and leaving reviews.

Provided Feedback: add an additional use case for user registration and login to further ensure security measures are covered and robust.

CloudTables-Service (Member 2):

Presented a use case diagram for View Orders, Update Order Status, and Reservation Assistance.

Given Feedback: Add use cases for staff login and notifications for pending orders for a more comprehensive scope.

CloudTables-Manager (Member 3):

Presented a use case diagram covering table management, performance metrics, and inventory oversight.

Given Feedback: Include a use case for system configuration to allow managers to adjust restaurant settings dynamically.

**Design**

Each subsystem will have its own set of microservices to handle specific functionalities:

CloudTables-Customer (Member 1): Microservices for Booking Management and Order Processing.

CloudTables-Service (Member 2): Microservices for Order Status Updates and Notifications.

CloudTables-Manager (Member 3): Microservices for Performance Reporting and Inventory Management.

**Future steps**

-Each team member will select and do a use case diagram for their given sub system and create a uml activity diagram along with it

We will each document and display each important microservice and its unique purpose for functioning within the subsystem.

Member 1: This member will create and finalise the use case diagram for the customer app to involve the actions of registering a user and there login while also starting to begin the booking process

Member2-staff login will be implemented into the use case diagram for the service staff while also introducing notifications for new orders and other order status necessities like updates to the Miroservice.

Member 3: They should add system configuration into there manager interface and into the diagram and should begin the first steps to developing the performance reporting section.

**Focus of next meeting**

-receiving all activity diagrams

finishing the architectural specifications and strategising the first discussions of UML diagrams for the systems.