IT314 - Software Engineering

G28 – RESTAURANT RESERVATION SYSTEM

Lab 5 – Task : Sprints 1/2 Sequence and Class Diagram

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Sprint

▢ **Task:**

- Implement functionality for restaurant owners to add restaurant details (name, address, cuisine type, seating capacity, etc.).
- Implement functionality for restaurant owners to update restaurant details.
- Implement functionality for restaurant owners to delete restaurant details.
- Implement functionality for restaurant owners to view the list of their restaurants.

Function Type	Count	Weighting Factor	Weighted Value
External Input (EI)	3	3	12
External Output (EO)	4	4	16
External Query (EQ)	2	3	6
Internal Logical File (ILF)	2	7	14
External Interface File (EIF)	0	5	0
Unadjusted Function Point (UFP)			48

Note : As our group's Sprint 1 was already Login/Register, we have selected the Sprint 2

Sequence Diagram for Sprint 2

Entity Object
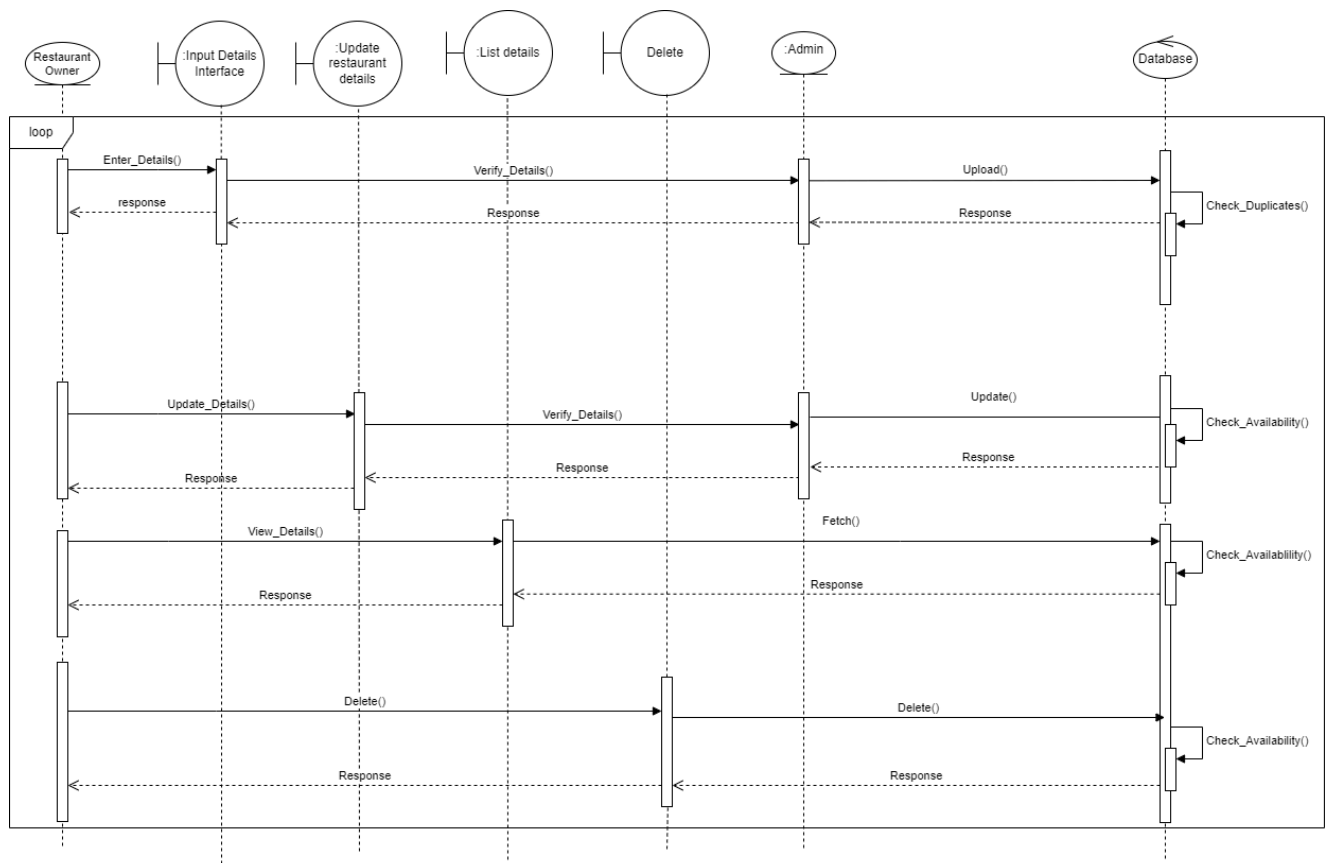- Restaurant Owner
- Admin

Boundary Object
- List Details
- Update Restaurant Details
- Delete Details
- Enter Details

Control Object
- Database

Class Diagram for Sprint 2

Restaurant

Restaurant id

Name

Address

Image URLs

Seating Capacity.

Cuisine Type

RestaurantOwner

Owner id

Name

Email

Add_Details()

Update_Details()

Delete_Details()

View_Details()

1...* Owned by 1...*

1

offers

1...*

Menu

Menu id

Category

1...*

contains

1...*

Items

Name

Price

Description