ASD Part 1
Group 2

Group members:

William Forber Id: 22015706

Zahin Hussain Id: 22016373

Lewis Quick Id: 22016949

Tawfiq Esawy Id: 21017418
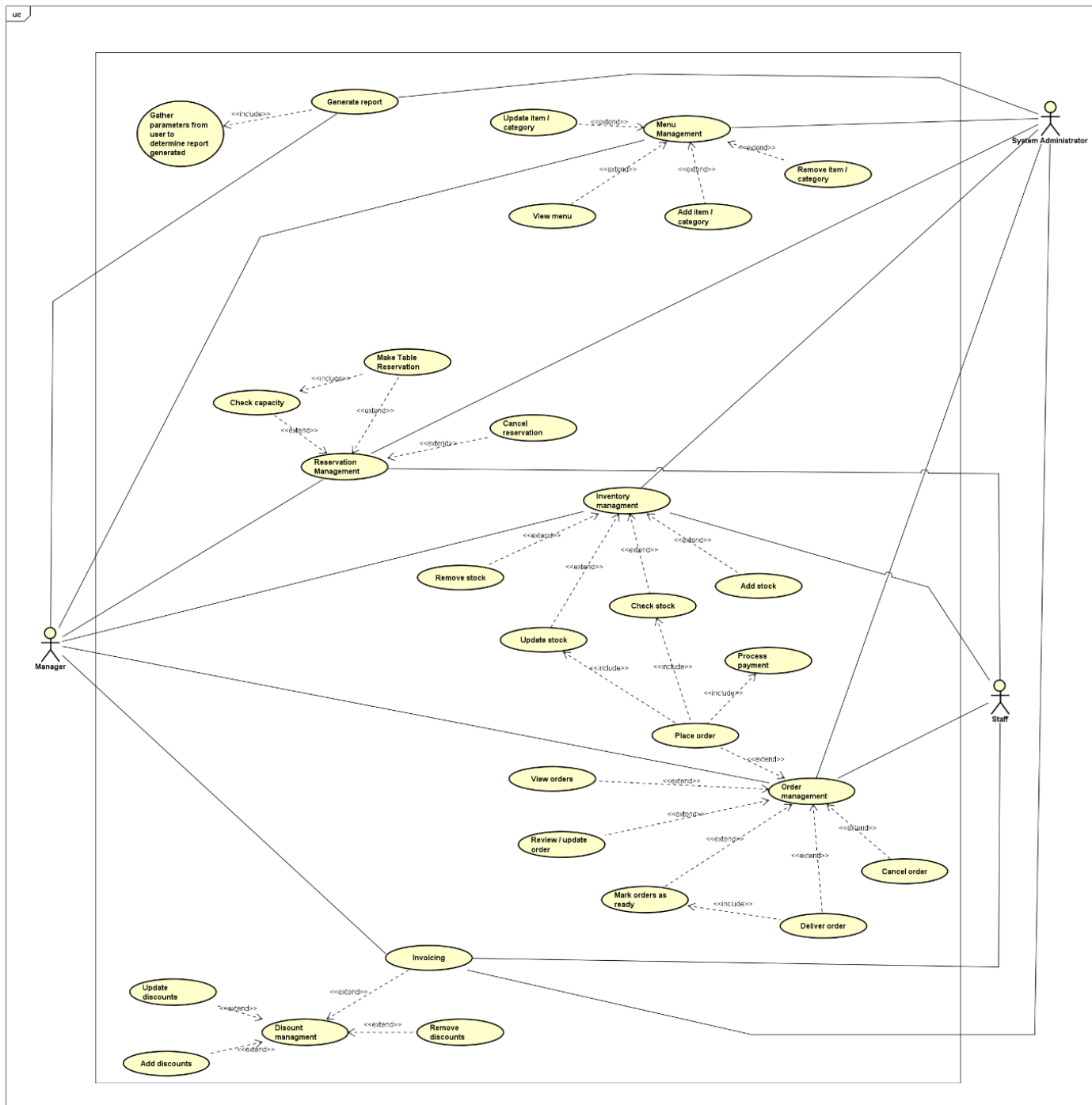
Beyzanur Kayaci Id: 22066921

Requirements Analysis:

The restaurant needs to have the following functionalities:

- Order Management
  - CRUD orders.
    - Customer, items, eat-in/delivery.
  - Order status, on what stage the order is at.
  -
- Inventory Management
  - CRUD stock.
- Reservation Management
  - CRUD reservations.
    - Check the required seats before booking at a specified time.
    - Make a reservation number with the table number.
- Menu management
  - CRUD dishes on the menu.
- Offer management.
  - CRUD offers.
    - Different offers for specific dishes
- Generate reports.
  - Sales
  - Inventories (stocks)
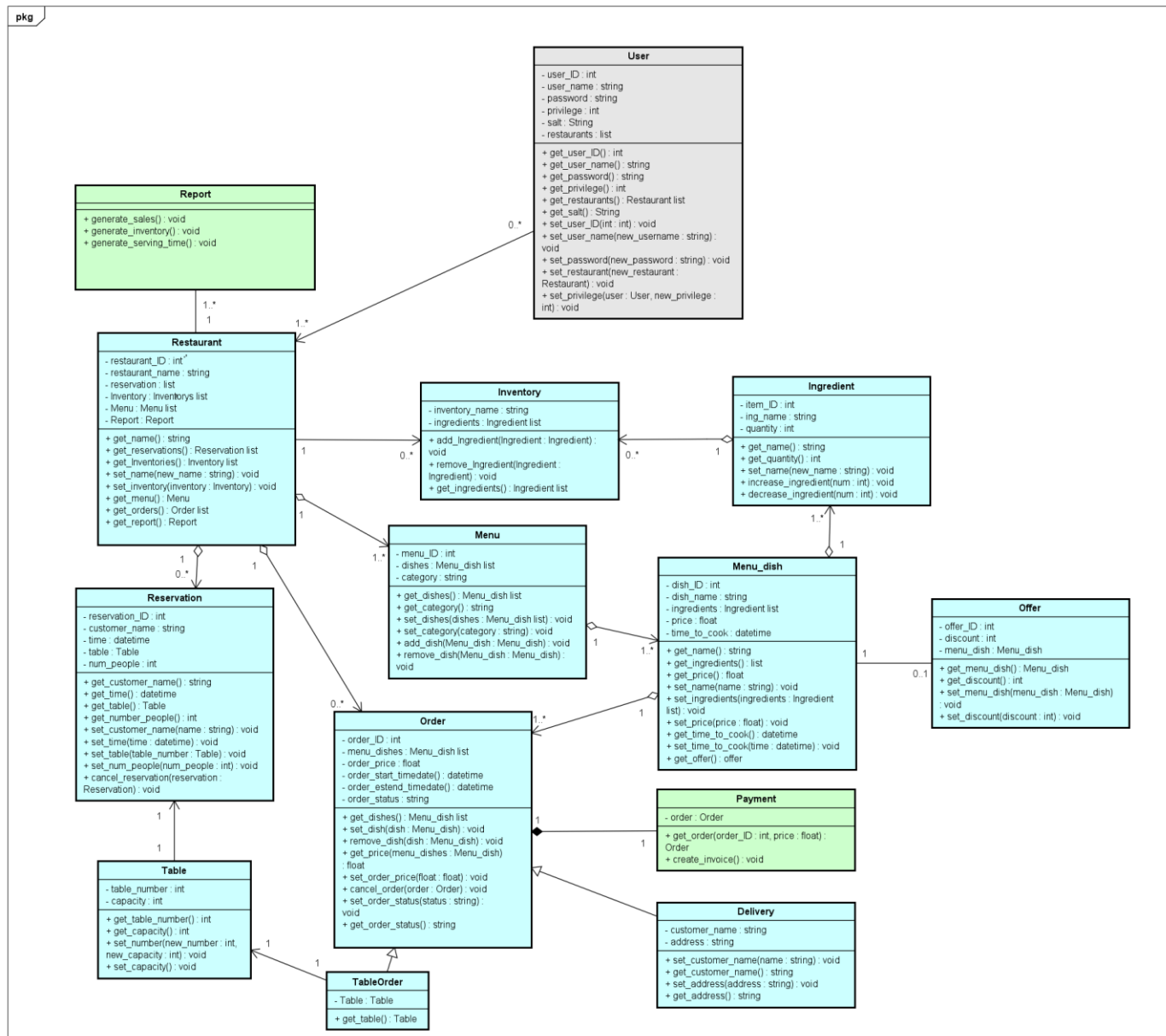 - Item / dish preparation times

Use Case Diagram:

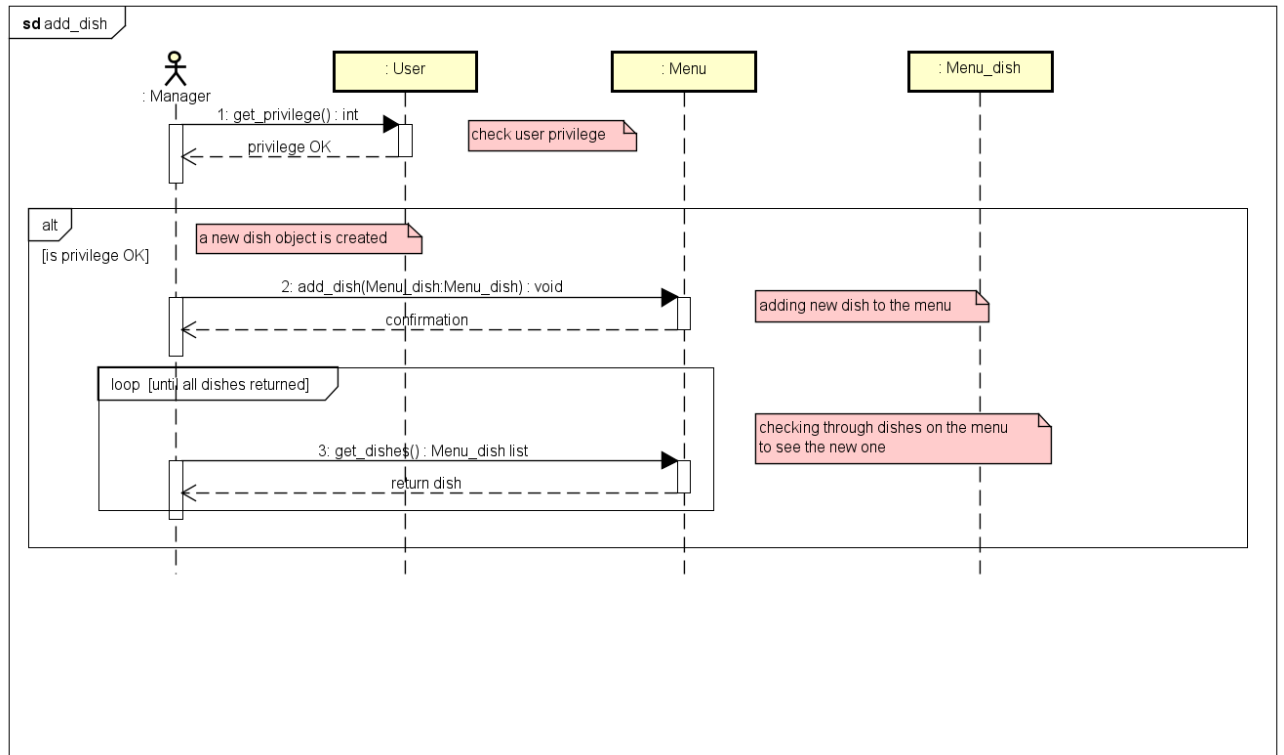William Forber, Zahin Hussain, Lewis Quick, Tawfiq Esawy , Beyzanur Kayaci

Class Diagram:

William Forber, Zahin Hussain, Lewis Quick, Tawfiq Esawy , Beyzanur Kayaci
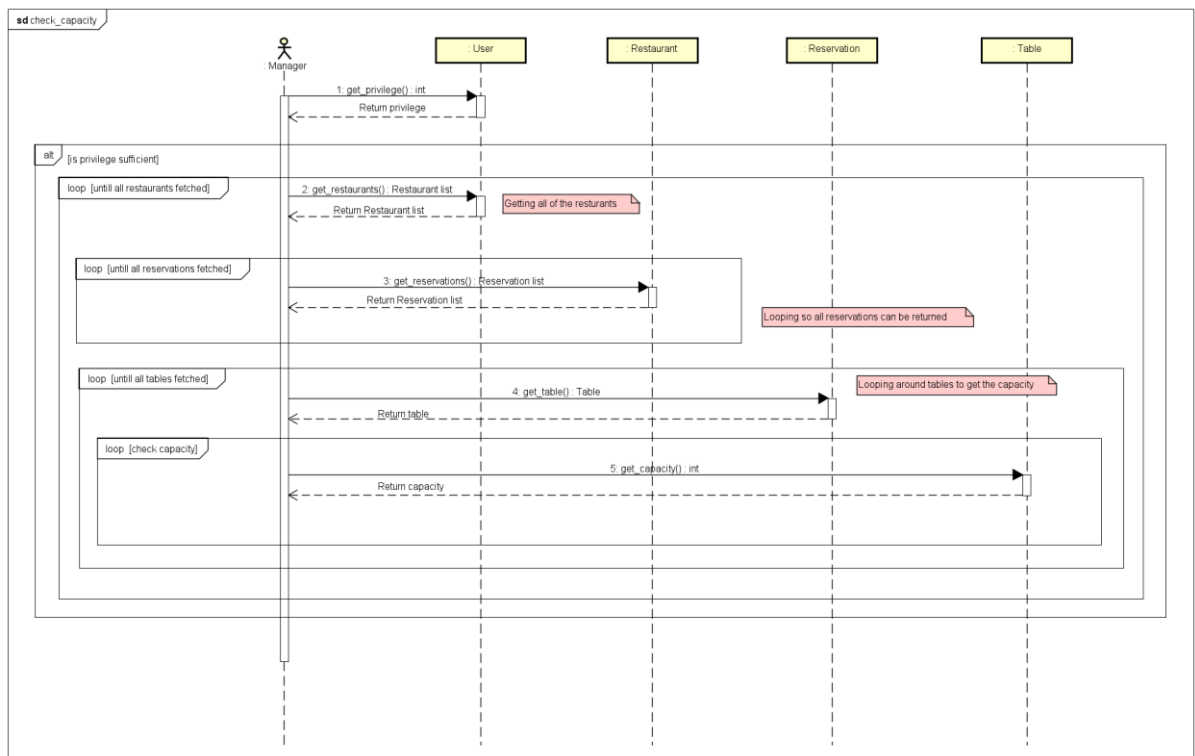
Sequence Diagrams:
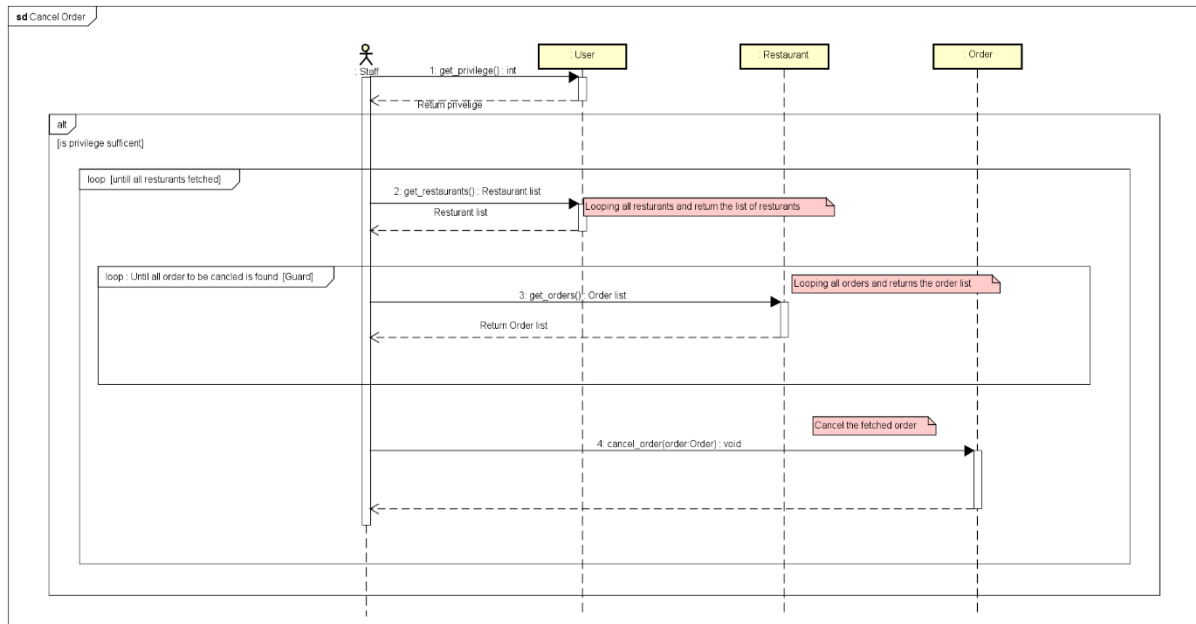
Add a dish to the menu:

Lewis Quick

Get capacity of restaurant:

Beyzanur Kayaci

Cancel Order:

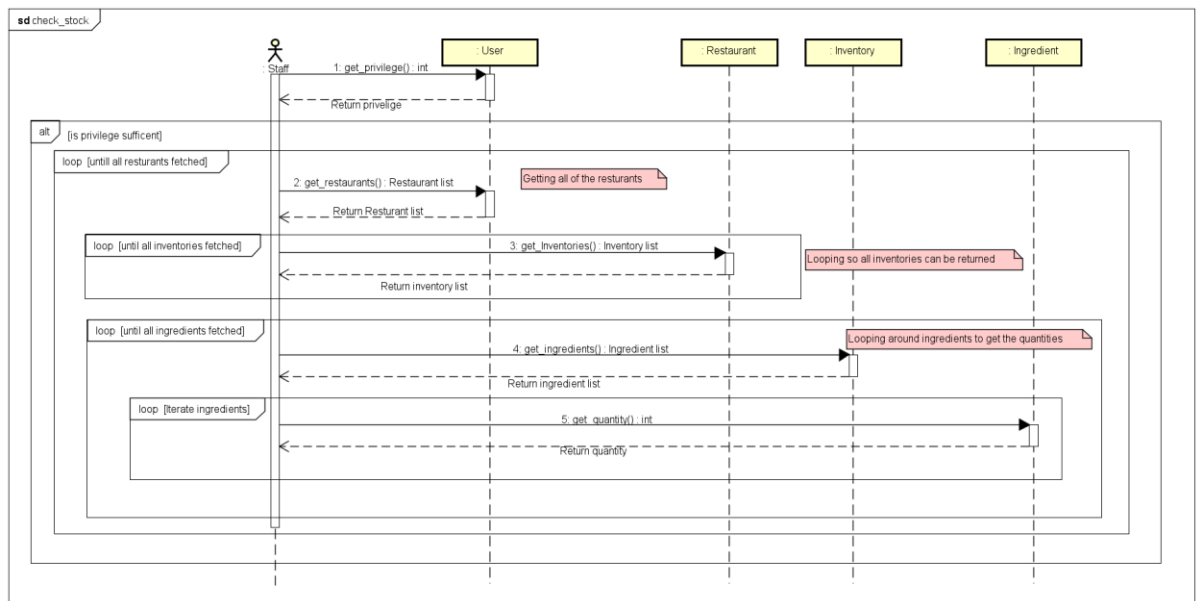**Zahin Hussain**

Check stock:

William Forber

Generate reports:

Tawfiq Esawy