

## **Semester Project**

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### **COURSE NAME**

• Software Construction and Development (SCD)

### **SECTION**

• BSSE 5B (MORNING)

## NATIONAL UNIVERSITY OF MODERN LANGUAGES ISLAMABAD

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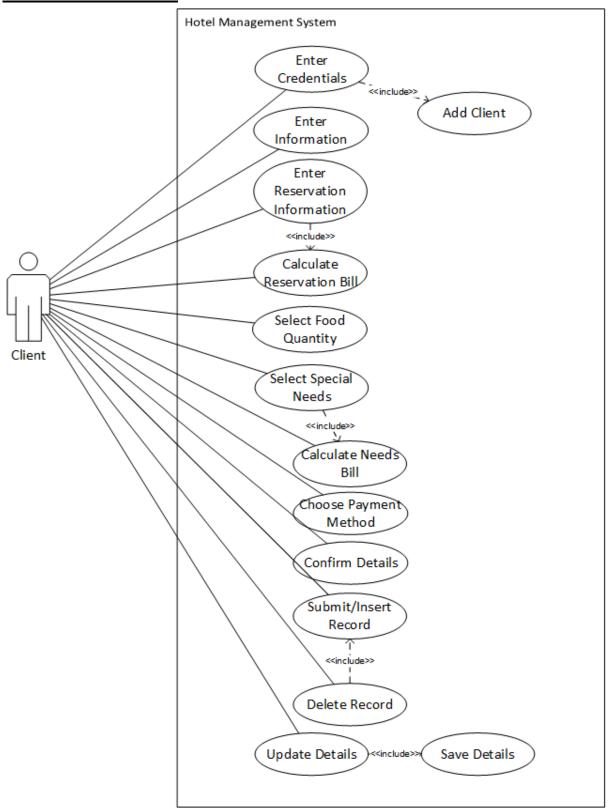
#### **HOTEL MANAGEMENT SYSTEM**

The Hotel Management System in C# is an application developed for Hotels. It is an application developed in C# which is used to let clients reserve rooms to stay in hotel. It stores information related to Client, Room Reservation, Food, and final payment. The database used is SQL Server. The objective of developing such a system was to reduce the errors that creep in the system and would hinder the client's easiness to reserve their stay in a hotel. It provides a user-friendly interface where client is given full access to reserve their stay in a relaxed manner.

#### **FEATURES**

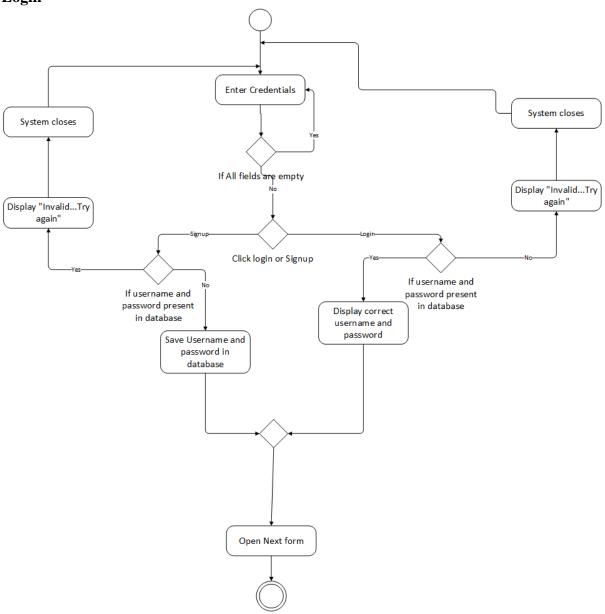
- Login and Signup
- Add Client's Detail
- Add Reservation Details
- Food and needs selection
- Finalize payment
- Insert/Save records
- Update Records
- Delete Records

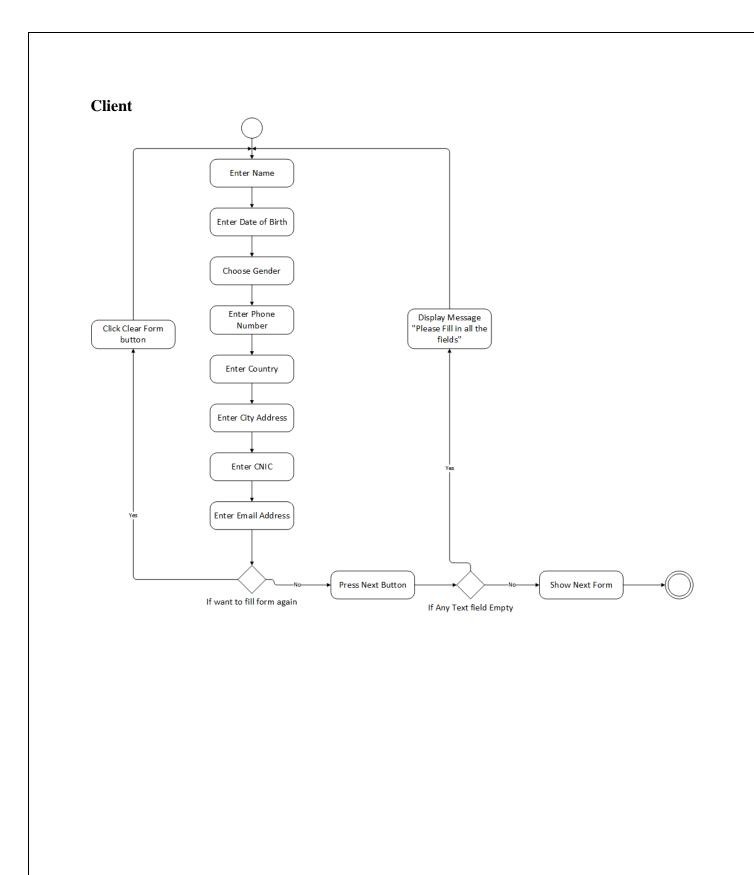
#### **USE CASE DIAGRAMS**



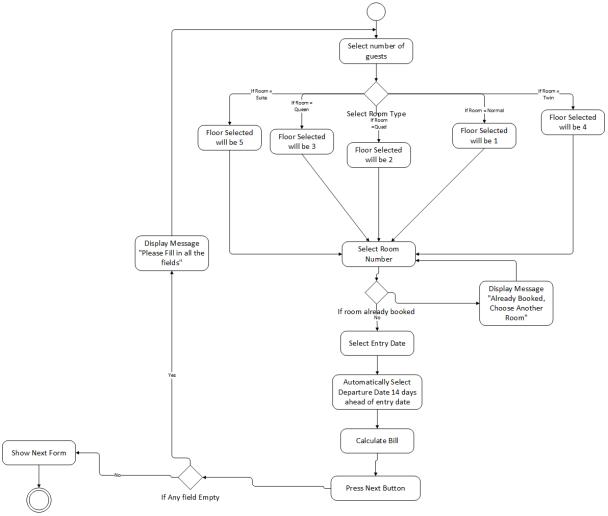
## **ACTIVITY DIAGRAMS**

## Login

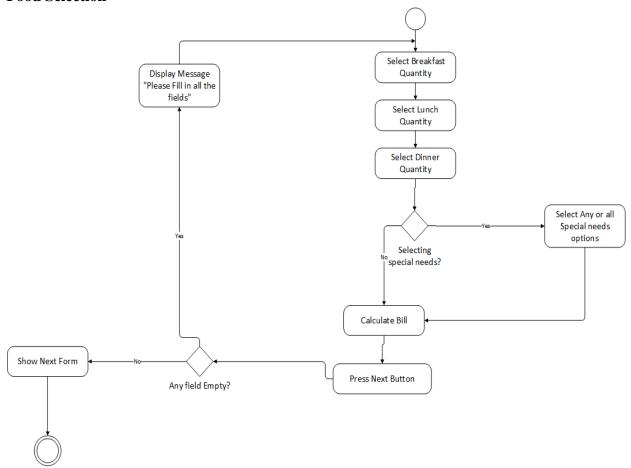




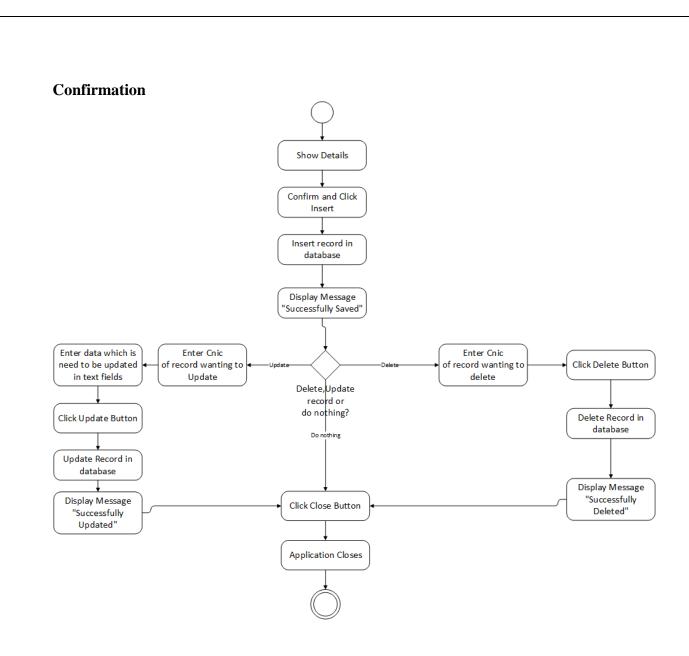
## Reservation



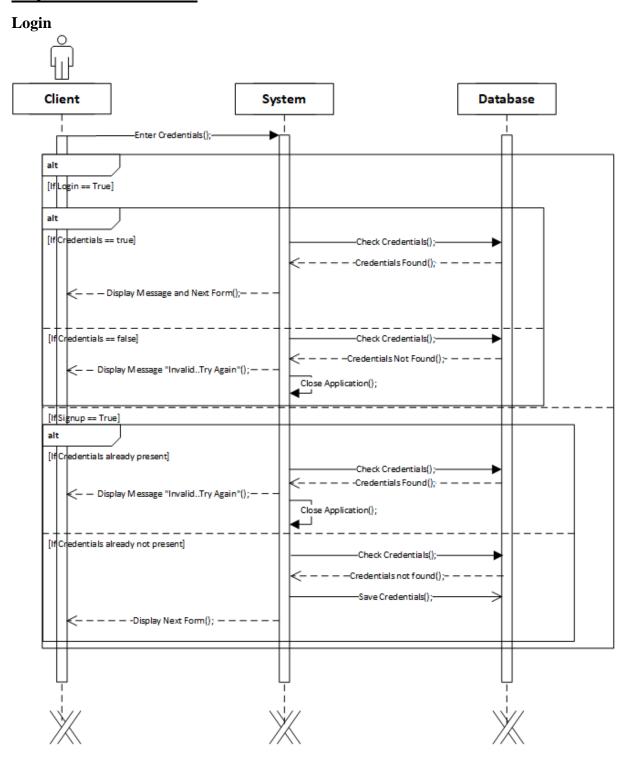
## **Food Selection**

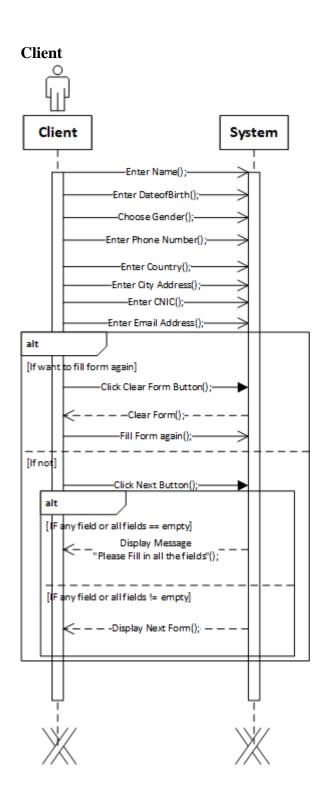


# Finalize payment Show Total Bill including Tax With Select Card Type Select payment type With Cash Enter Card Number Press Next Button **Show Next Form**

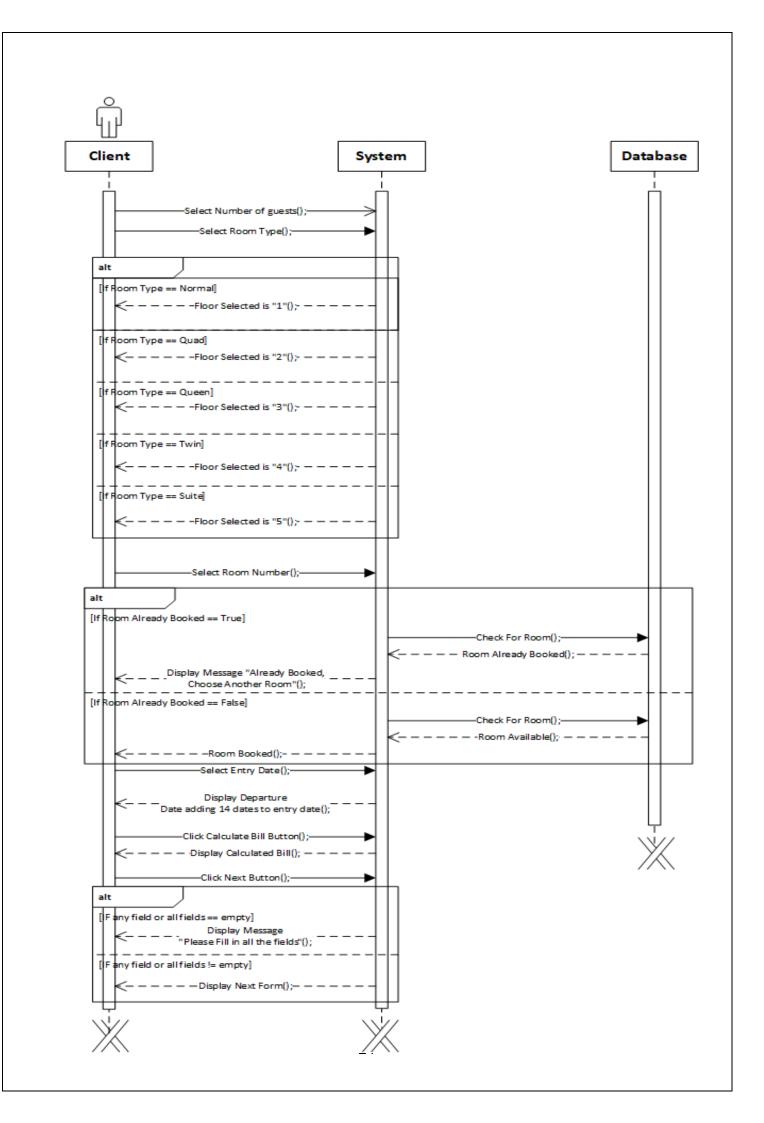


### **SEQUENCE DIAGRAMS**



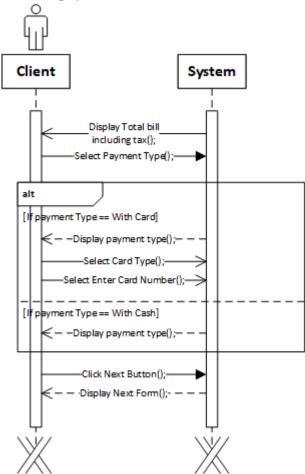


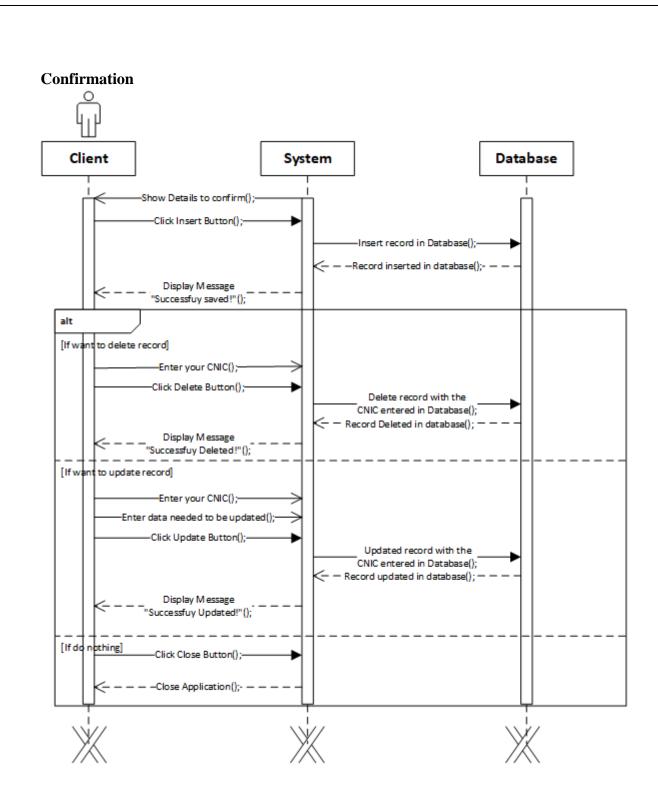
Reservation		
Reservation		
	13	

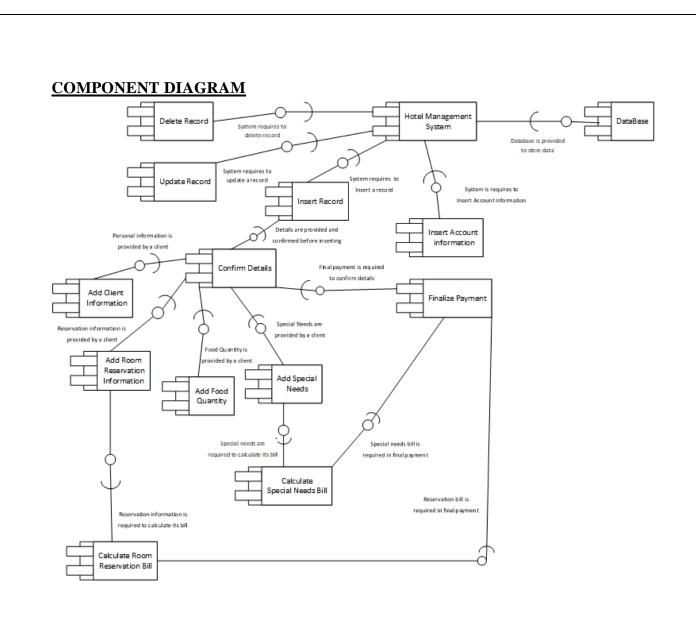


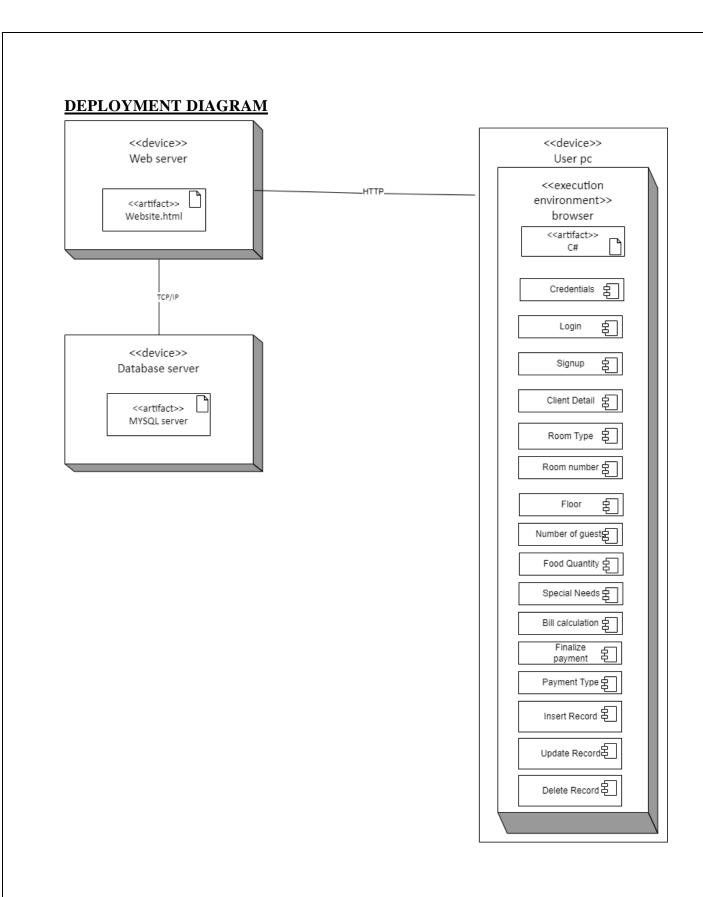
## **Food Selection** Client System -Select Breakfast Quantity();--Select Lunch Quantity();--Select Dinner Quantity();alt [If Special needs needed] -Select wanted needs();-- - - - - - - Needs Selected(); - - - - --Click Calculate Bill Button();-— — - Display Calculated Bill(); — — — [If Special needs not needed] -Click Calculate Bill Button();- $\in$ --- Display Calculated Bill(); ----Click Next Button();alt [IF any field or all fields == empty] Display Message "Please Fill in all the fields"(); [IF any field or all fields != empty] ← — — — Display Next Form();— — — — — -

## Finalize payment

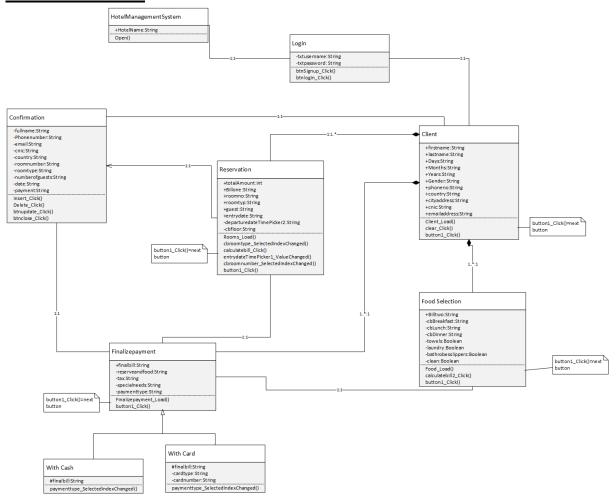








#### **CLASS DIAGRAM**



#### **PETRINETS**

