



**slington college**  
(इस्लिङ्टन कलेज)

**Module Code & Module Title**  
**CS5002NA Software Engineering**

**Assessment Weightage & Type**  
**35% Individual Coursework**

**Year and Semester**  
**2018-19 Autumn / 2018-19 Spring**

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**College ID: np01cp4a170141**

**Assignment Due Date:**

**Assignment Submission Date:**

**Word Count (Where Required):**

*I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a marks of zero will be awarded.*

## USE Case

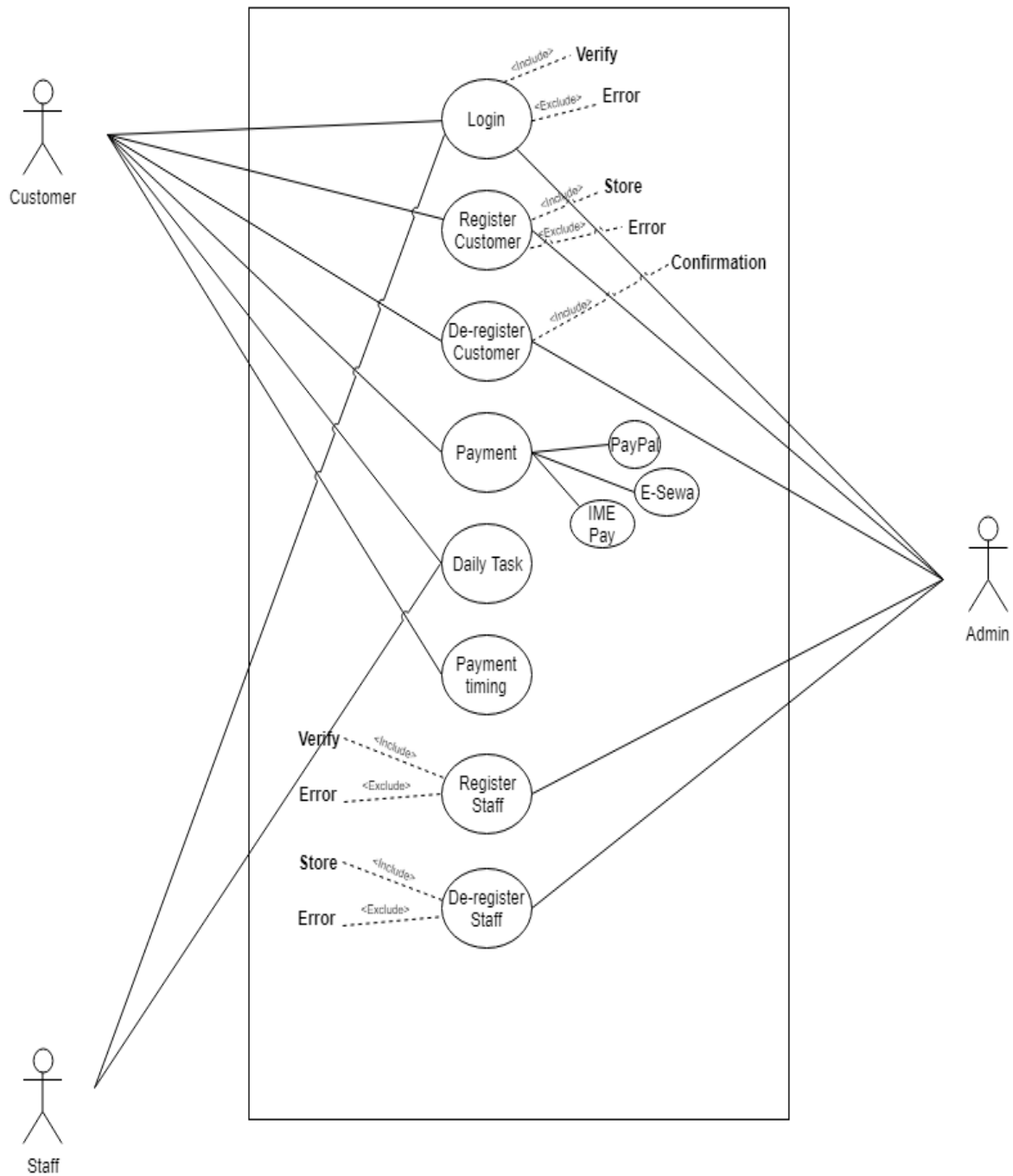


Figure 1-USE Case

1.

### High level

Use Case: Login

Actors: Customer, Staff, Admin

Description: The customer, staff and the admin of the gym login into the system in order to use the features of the system.

### Expanded Description

Customer	Staff	Admin
1. The customer enrolled in the system logs in into the system and can use the features in the system.	2. The staff enrolled in the system logs in into the system and can use the features in the system.	3. The admin enrolled in the system logs in into the system and can use the features in the system.

2.

### High level

Use Case: Register customer

Actors: Customer, Admin

Description: The new customers arriving at the gym wishing to be register on the gym can register on the system through the customer themselves or admin.

3.

Use Case: De-Register Customer

Actors: Customers, Admin

Description: The customer enrolled in the gym can de-register from the system by the admin and the customer themselves.

4.

Use case: Payment

Actors: Customer

Description: The customer enrolled in the gym needs to pay to the gym.

### **Expanded Use Case Description**

Actor Action

1. The new customer provide the personal details to be enrolled into the system.
3. The customer pays the fees of the gym.
4. The customer logs into the system.

System Response

2. The system provide the fees plans.
5. The system assign the task to do for the customer.

5.

Use Case: Daily Task

Actors: Customer

Description: The customer can make their daily task on the system by themselves.

6.

Use Case: Payment Timing

Actors: Customers

Description: The system reminds the customer to pay after the 30 days of the payment.

7.

Use Case: Register Staff

Actors: Admin

Description: The staff for the gym can only be registered by the admin.

8.

Use Case: De-Register Staff

Actors: Admin

Description: The staff for the gym can only be de-registered by the admin.

9.

Use Case: To-do-list

Actor: Staff

Description: The staff can assign to-do-list to the customer that should be performed by the customer on the specific day.

## Communication Diagram

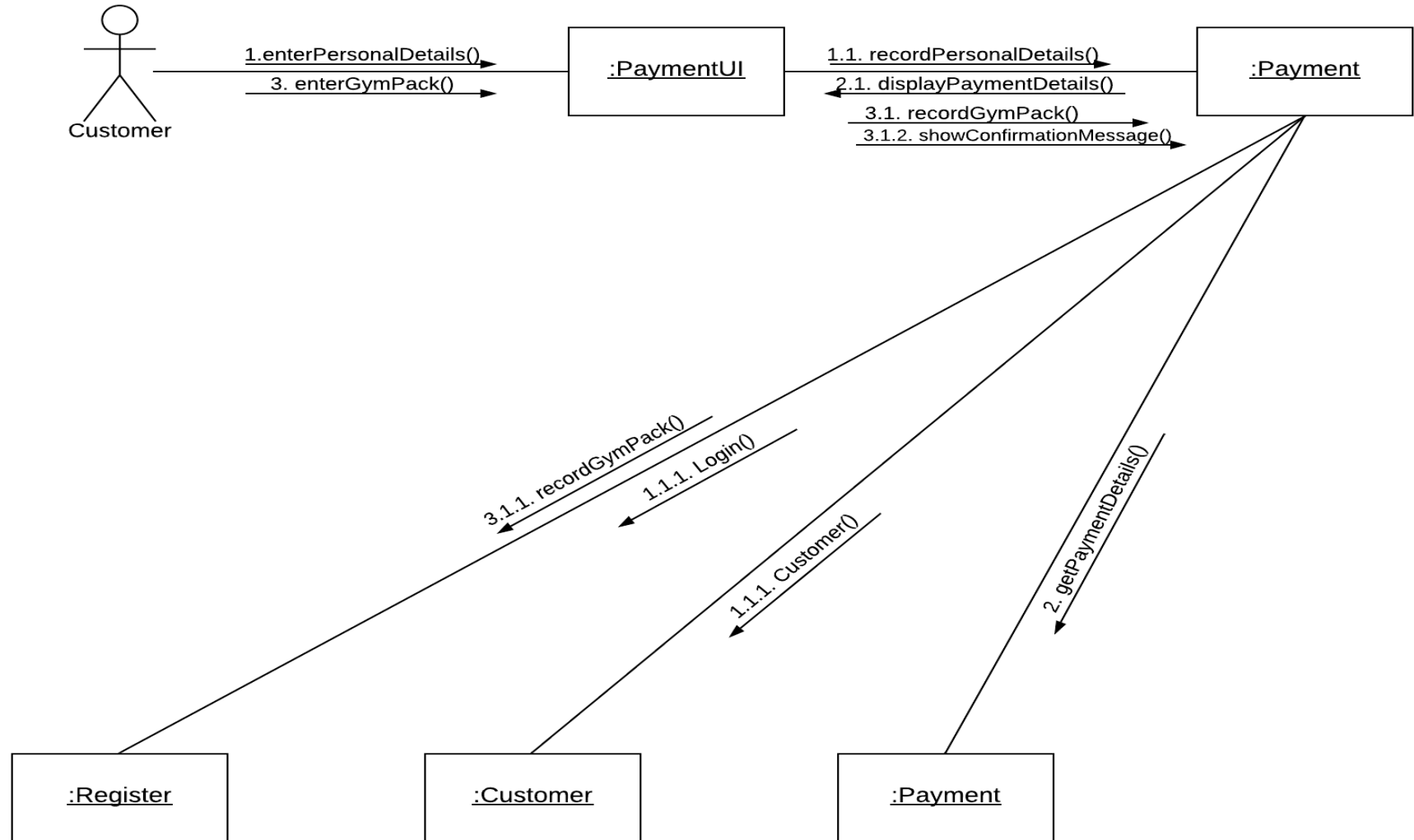


Figure 2-Communication Diagram

## Sequence Diagram

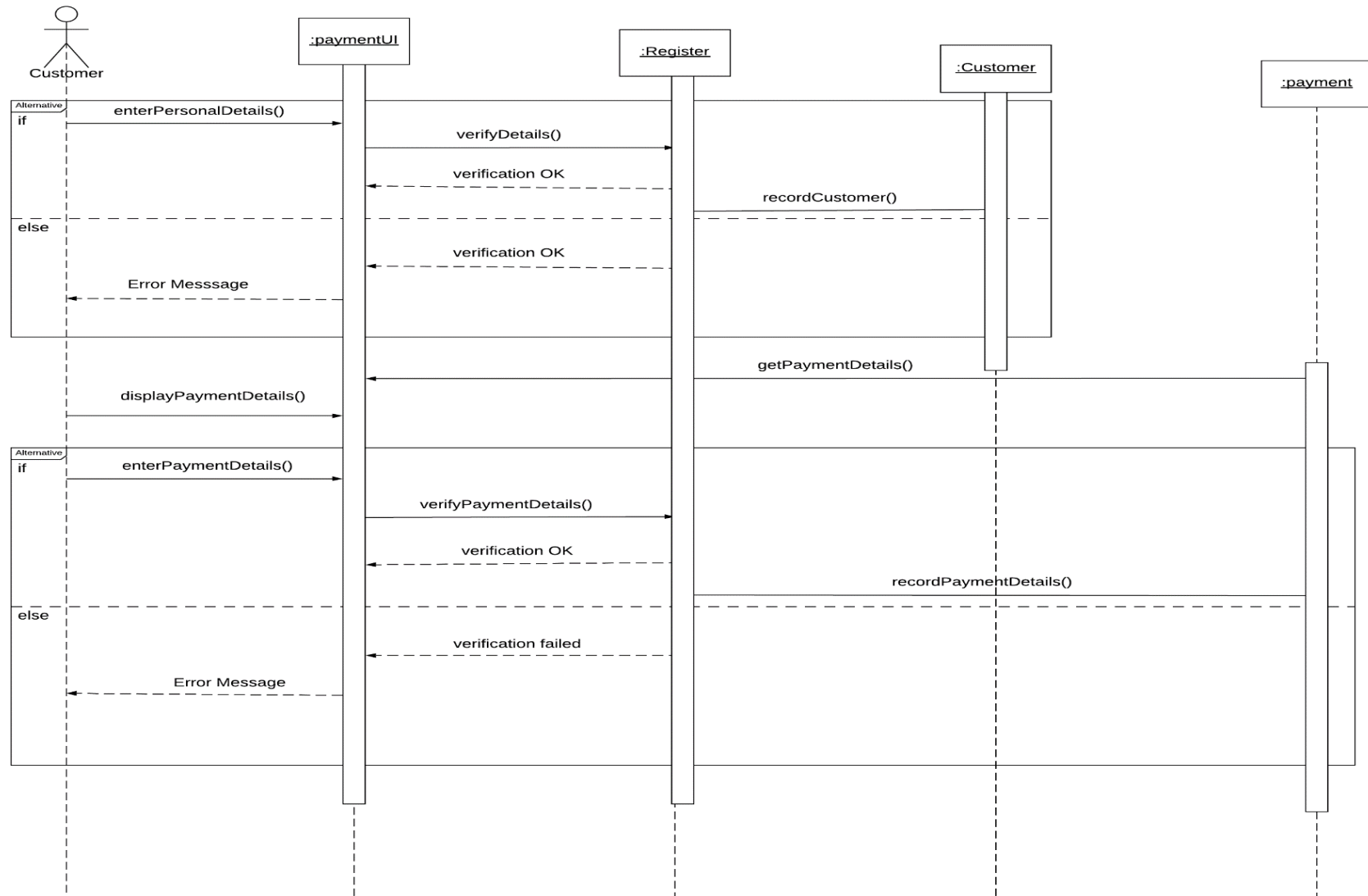


Figure 3-Sequence Diagram

