

## **EXPERIMENT 9**

### **Aim :**

To prepare Collaboration Diagrams for the Application Software – **Bill Management System**.

### **Theory :**

#### **What is Collaboration Diagram ?**

A Collaboration Diagram also known as Communication Diagram offers the same information as a Sequence Diagram, but while a Sequence Diagram emphasizes the time and order of events, a Collaboration Diagram emphasizes the messages exchanged between objects in an application. Collaboration Diagrams offer the broader perspective within a process.

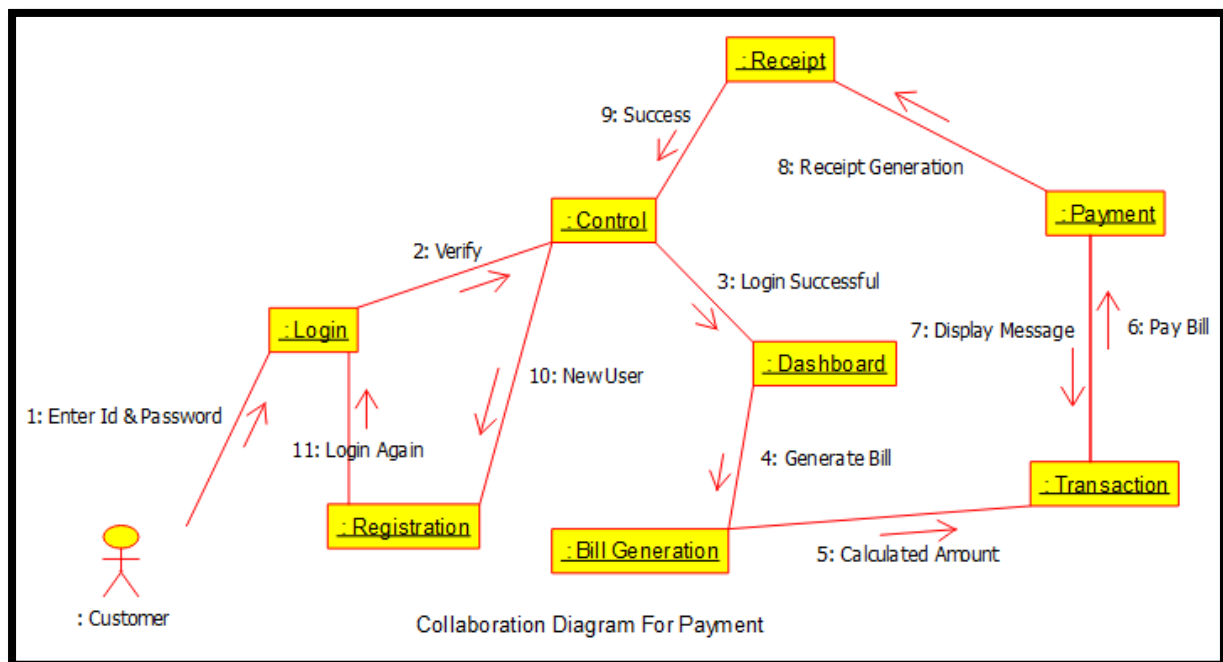
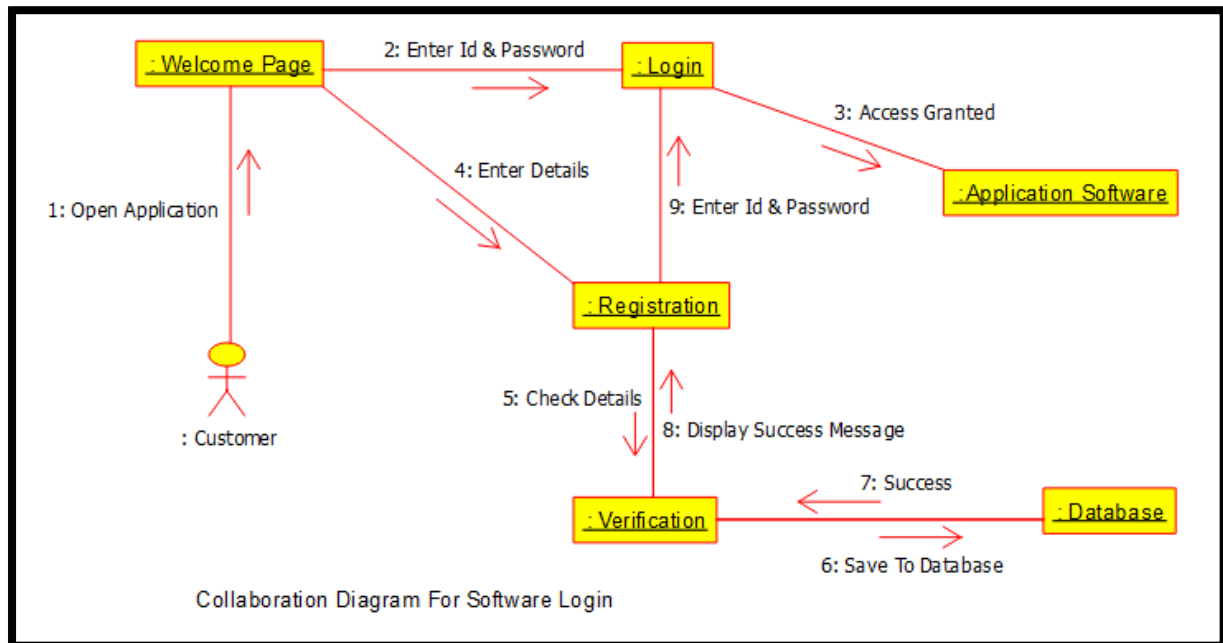
#### **Benefits of Collaboration Diagram :**

- Model the logic of a sophisticated procedure, function, or operation.
- Identify how commands are sent and received between objects or components of a process.
- Visualize the consequences of specific interactions between various components in a process.
- Plan and understand the detailed functionality of an existing or future scenario.

#### **Collaboration Diagram Symbols and Notation :**

- **Rectangles** represent objects that make up the application.
- **Lines** between class instances represent the relationships between different parts of the application.
- **Arrows** represent the messages that are sent between objects.
- **Numbering** lets you know in what order the messages are sent and how many messages are required to finish a process.

## Collaboration Diagrams for the Application Software – **Bill Management System** :



## Conclusion :

The Collaboration Diagrams for the Application Software – **Bill Management System** were prepared successfully.