

# Hall Management System

# Subsystem

- ▶ 1. Computerized Hall Seat Allocation
- ▶ 2. Hall Mess management System
- ▶ 3. Virtual Notice Board & Complain box
- ▶ 4. Room Maintenance System
- ▶ 5. Event Management System

# 1. Computerised Hall Seat Allocation

- 1.1 Apply For Seat
- 1.2 Eligibility Checking
- 1.3 Approval
- 1.4 Check for Empty Room
- 1.5 Seat Allocation
- 1.6 Inform Student
- 1.7 After Occupying Seat Inform Authority

# 1. Computerized Hall Seat Allocation

Use Case  
Diagram:

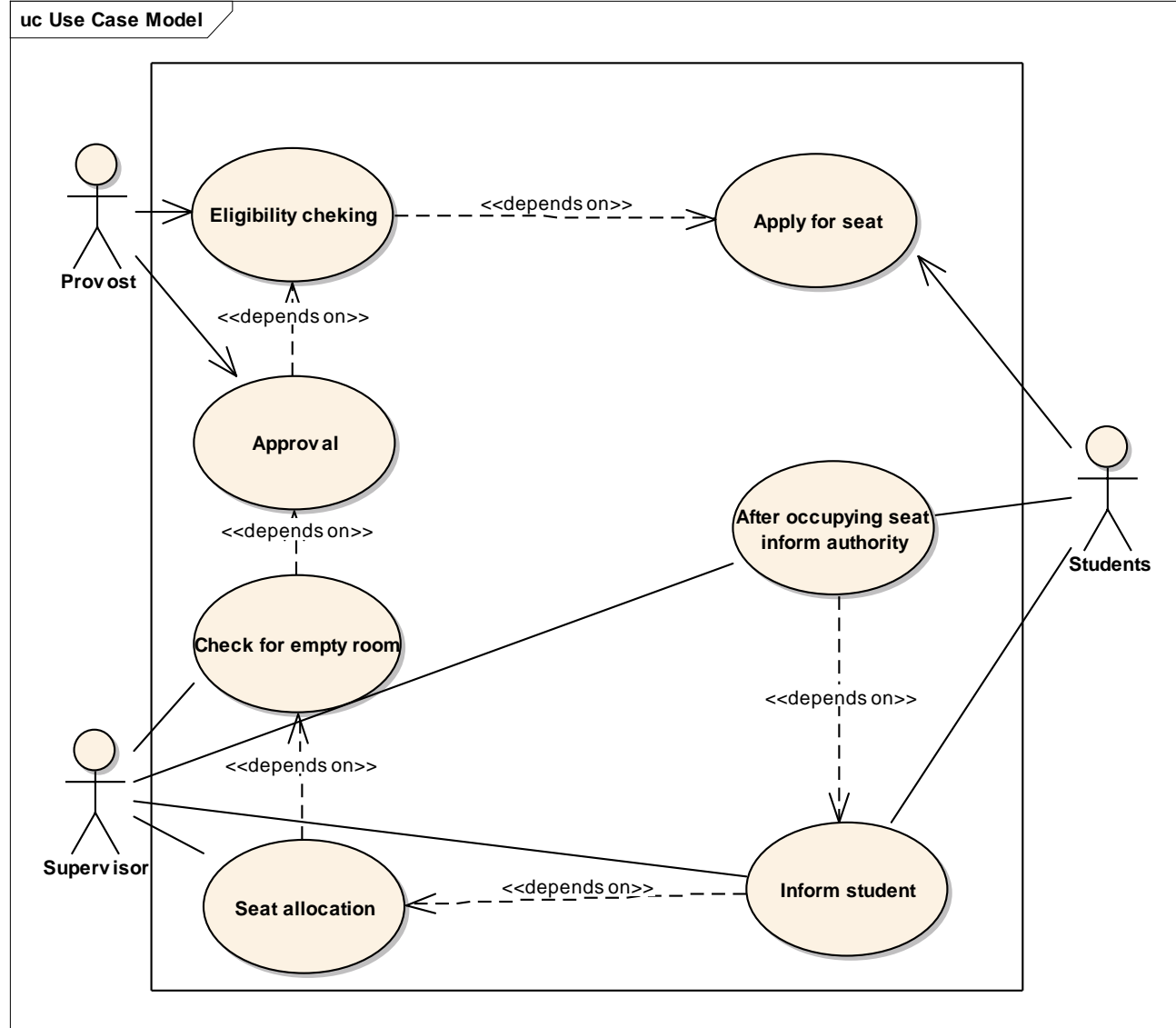


Figure 1: Use Case Diagram of Hall Seat Allocation

# 1.1 Apply For Seat

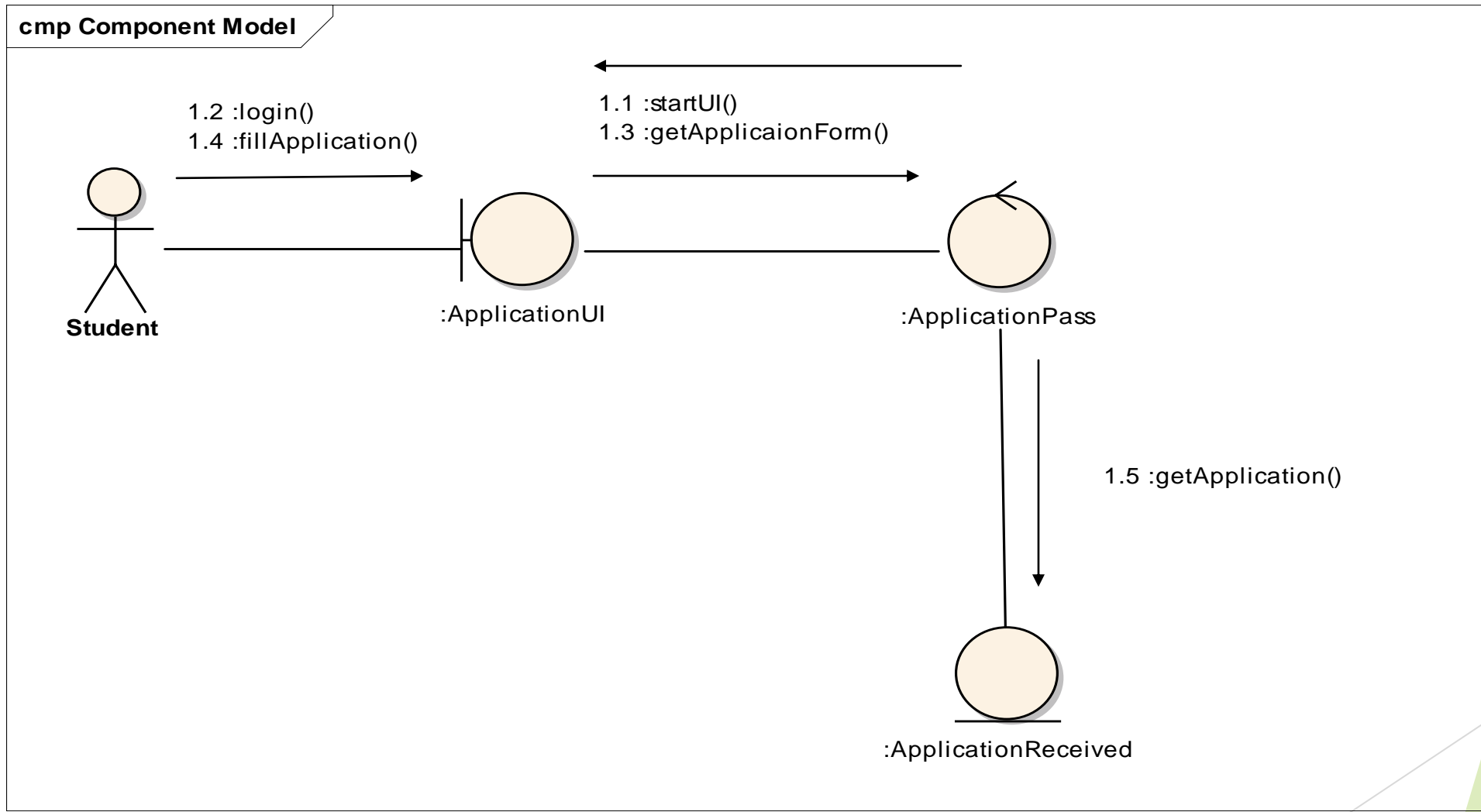
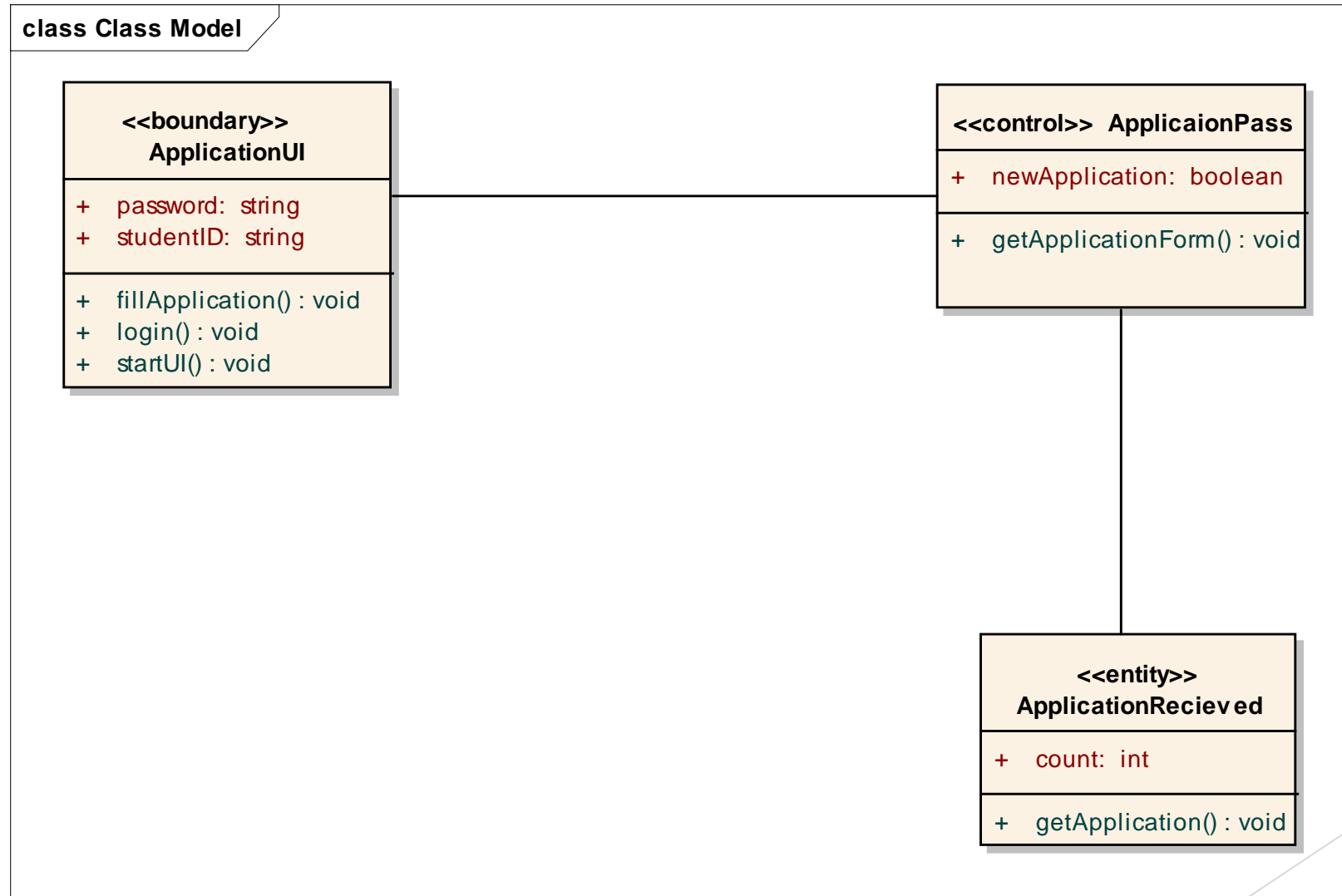


Fig 1.1.1 : Collaboration Diagram

# 1.1 Apply For Seat



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Fig 1.1.2 : Class Diagram

# 1.2 Eligibility Checking

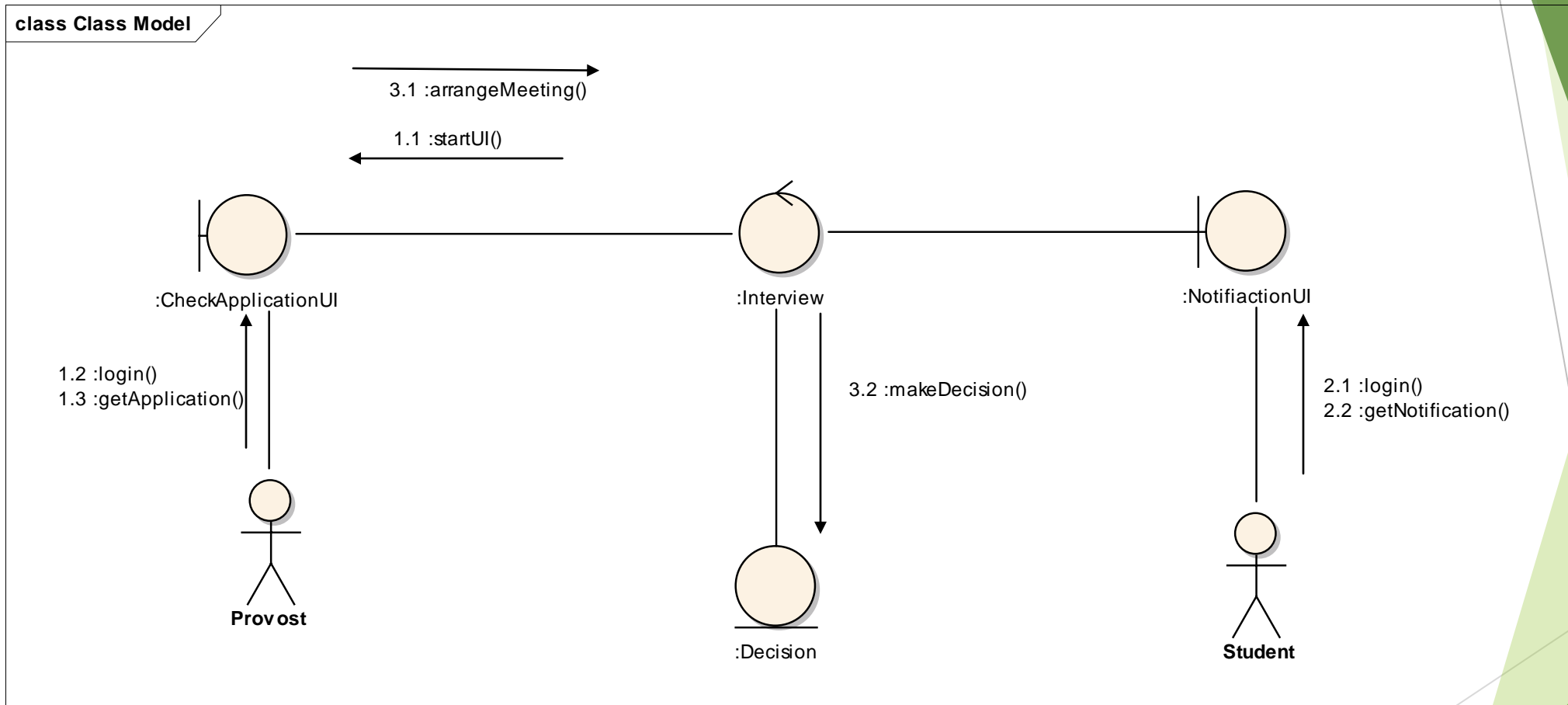


Fig 1.2.1 : Collaboration Diagram

# 1.2 Eligibility Checking

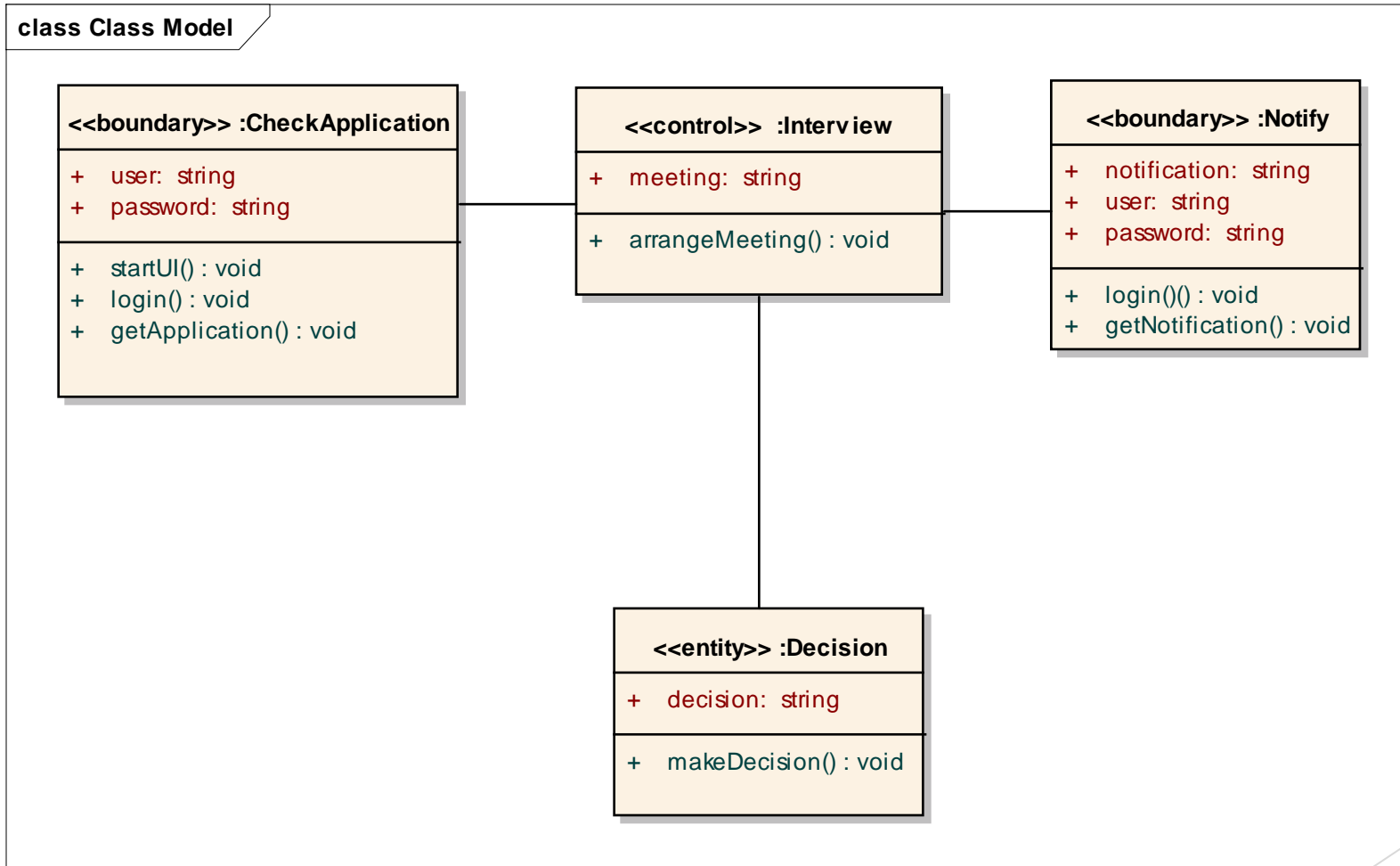


Fig 1.2.2 : Class Diagram



# 1.3 Approval

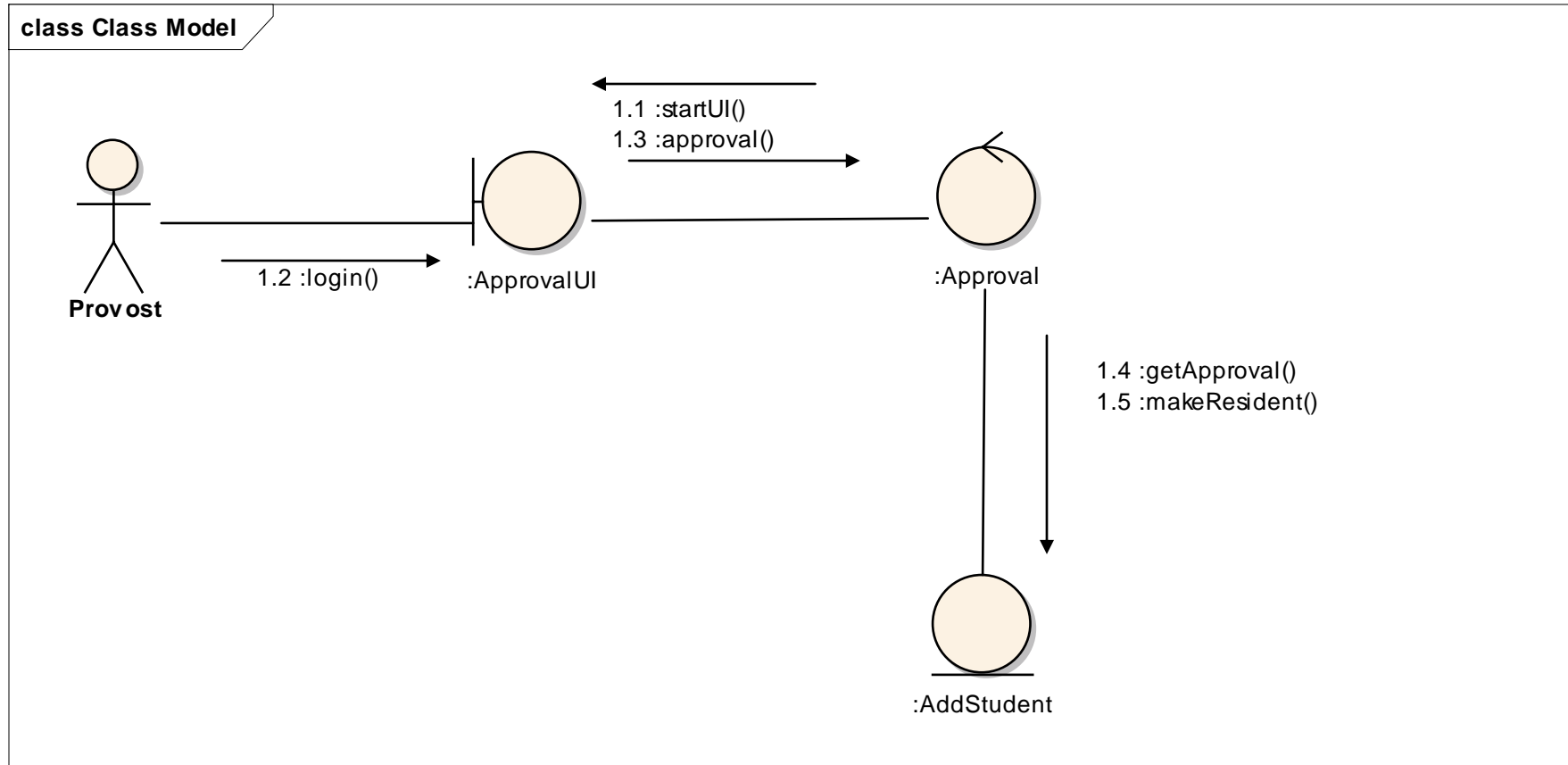


Fig 1.3.1 : Collaboration Diagram

## 1.3 Approval

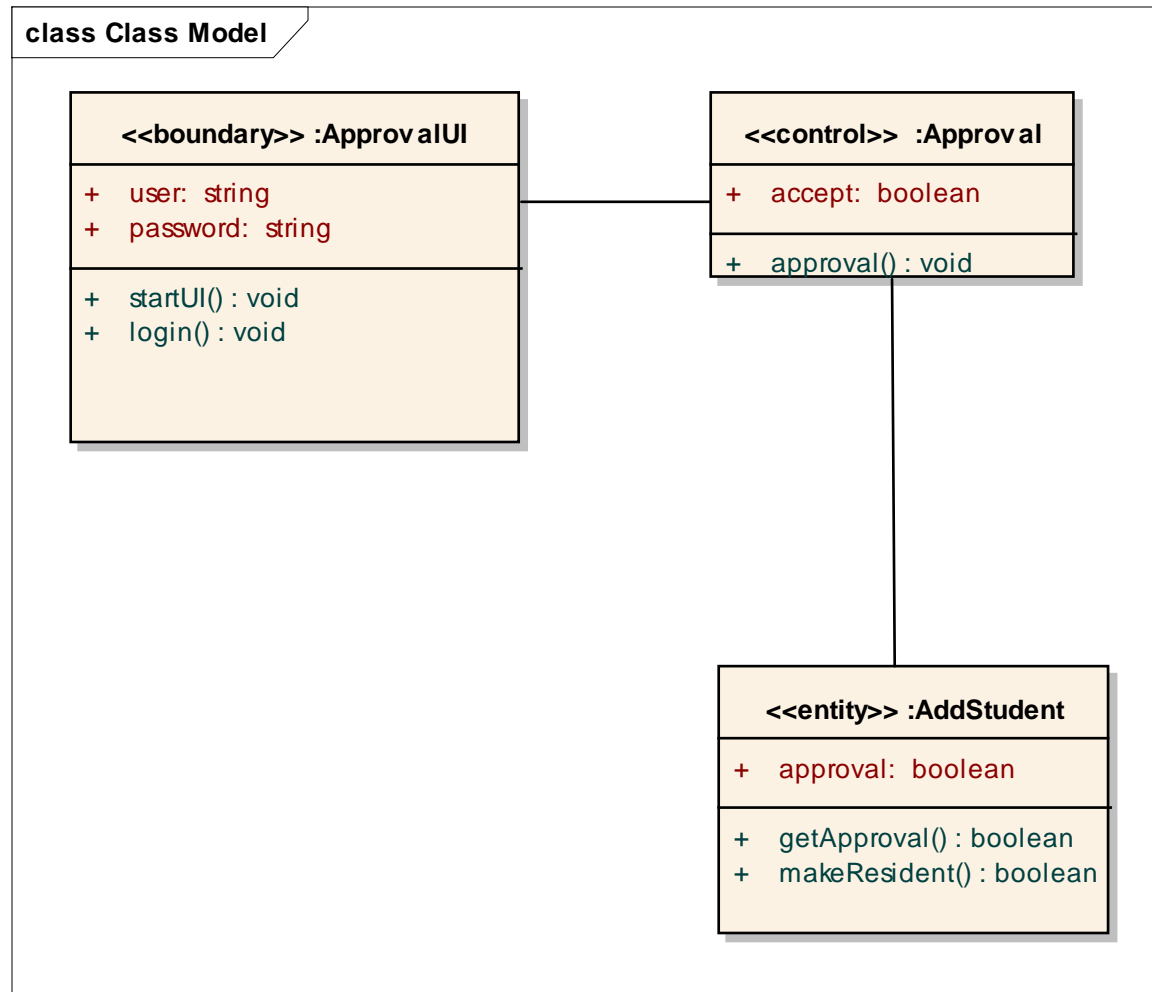


Fig 1.3.2 : Class Diagram

## 1.4 Check for Empty Room

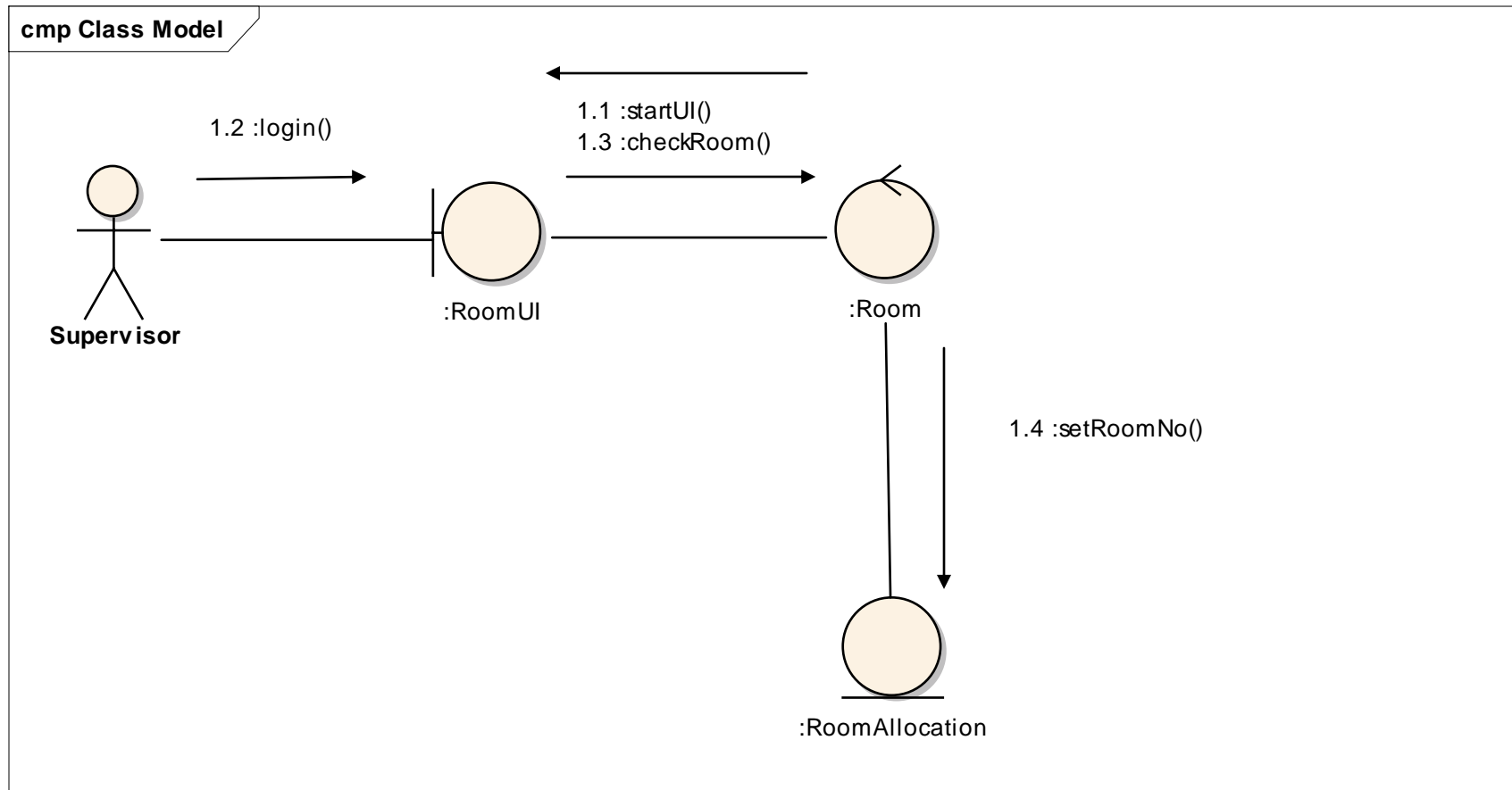


Fig 1.4.1 : Collaboration Diagram

# 1.4 Check for Empty Room

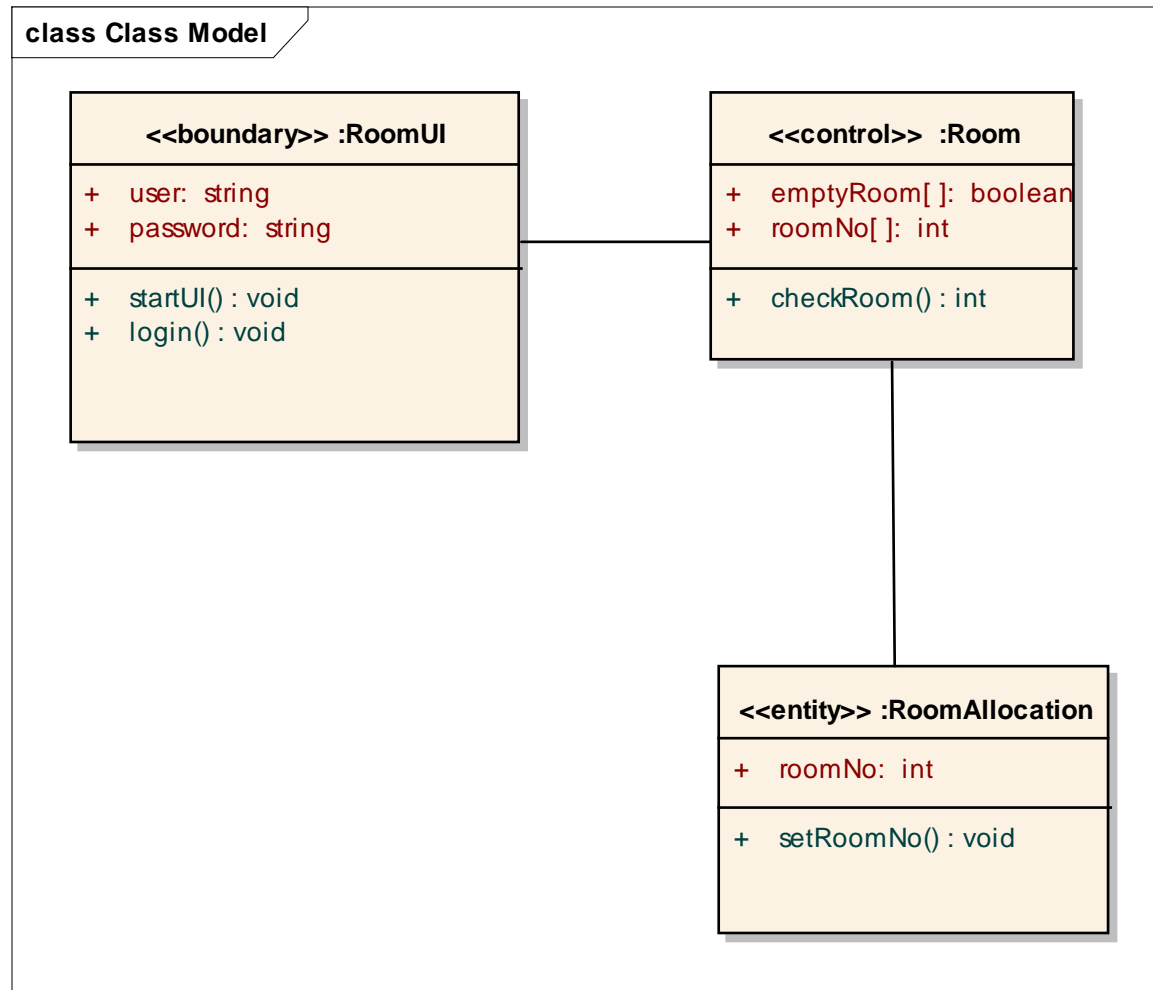


Fig 1.4.2 : Class Diagram

## 1.5 Seat Allocation

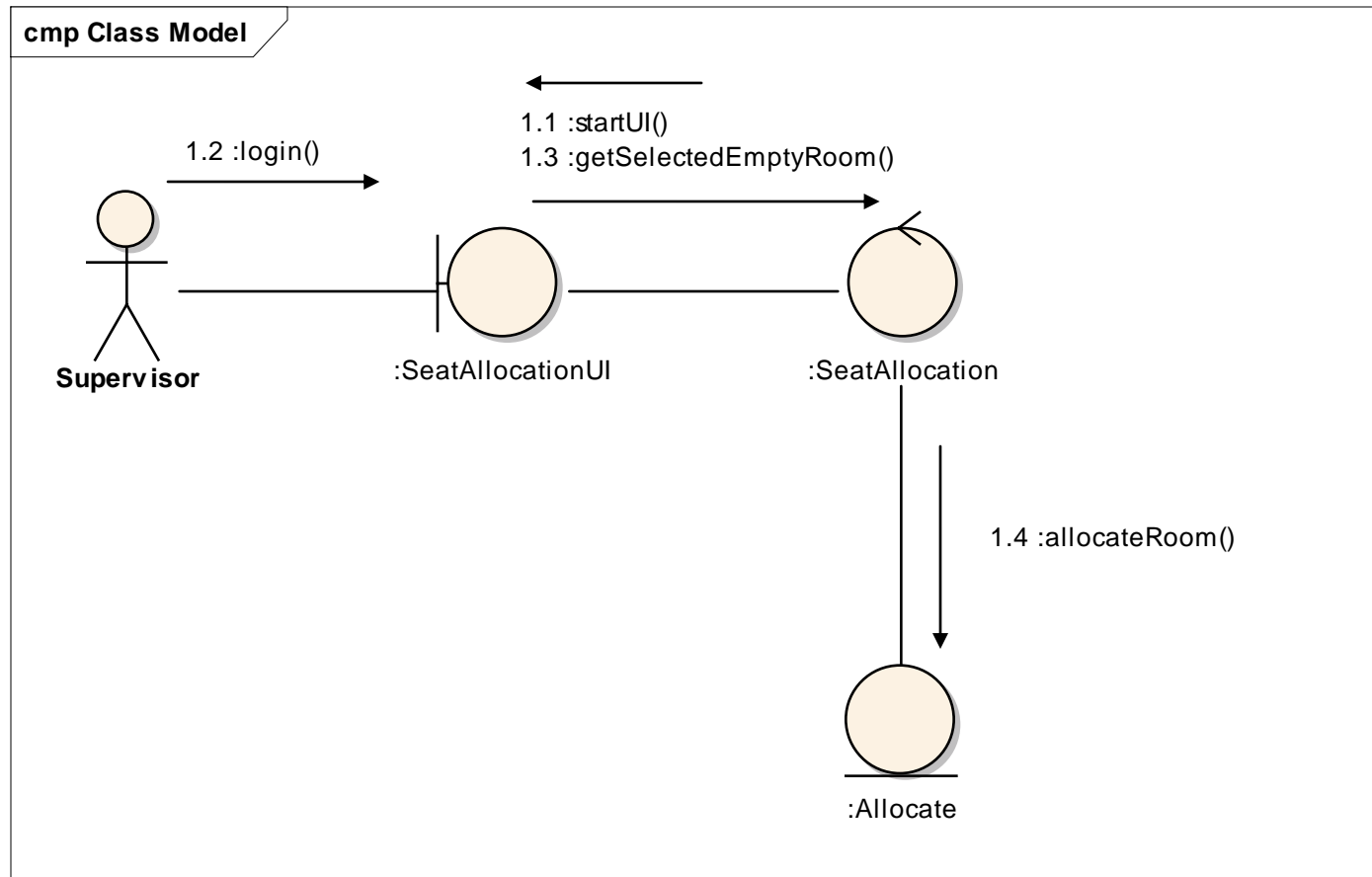


Fig 1.5.1 : Collaboration Diagram

# 1.5 Seat Allocation

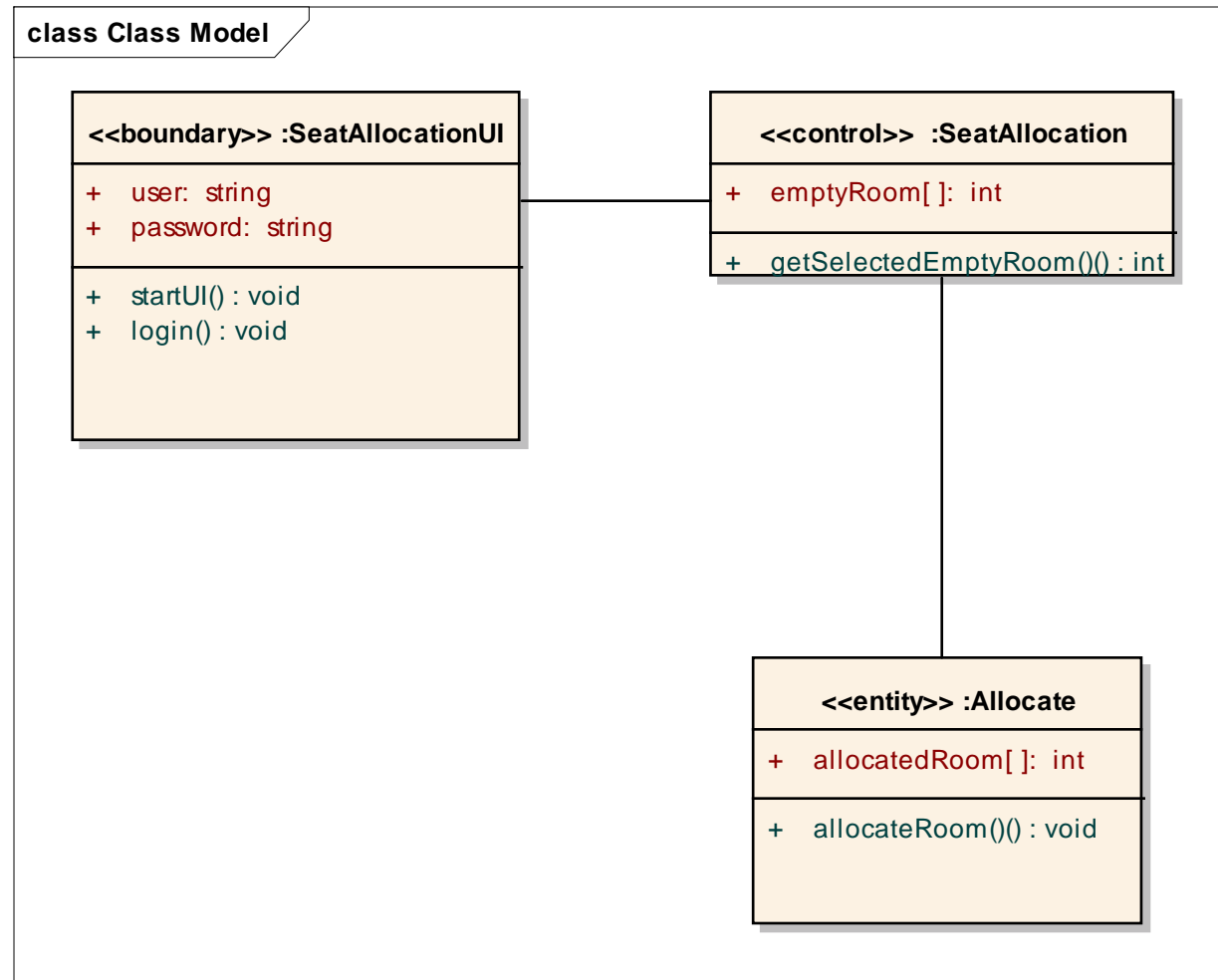


Fig 1.5.2 : Class Diagram

## 1.6 Inform Student

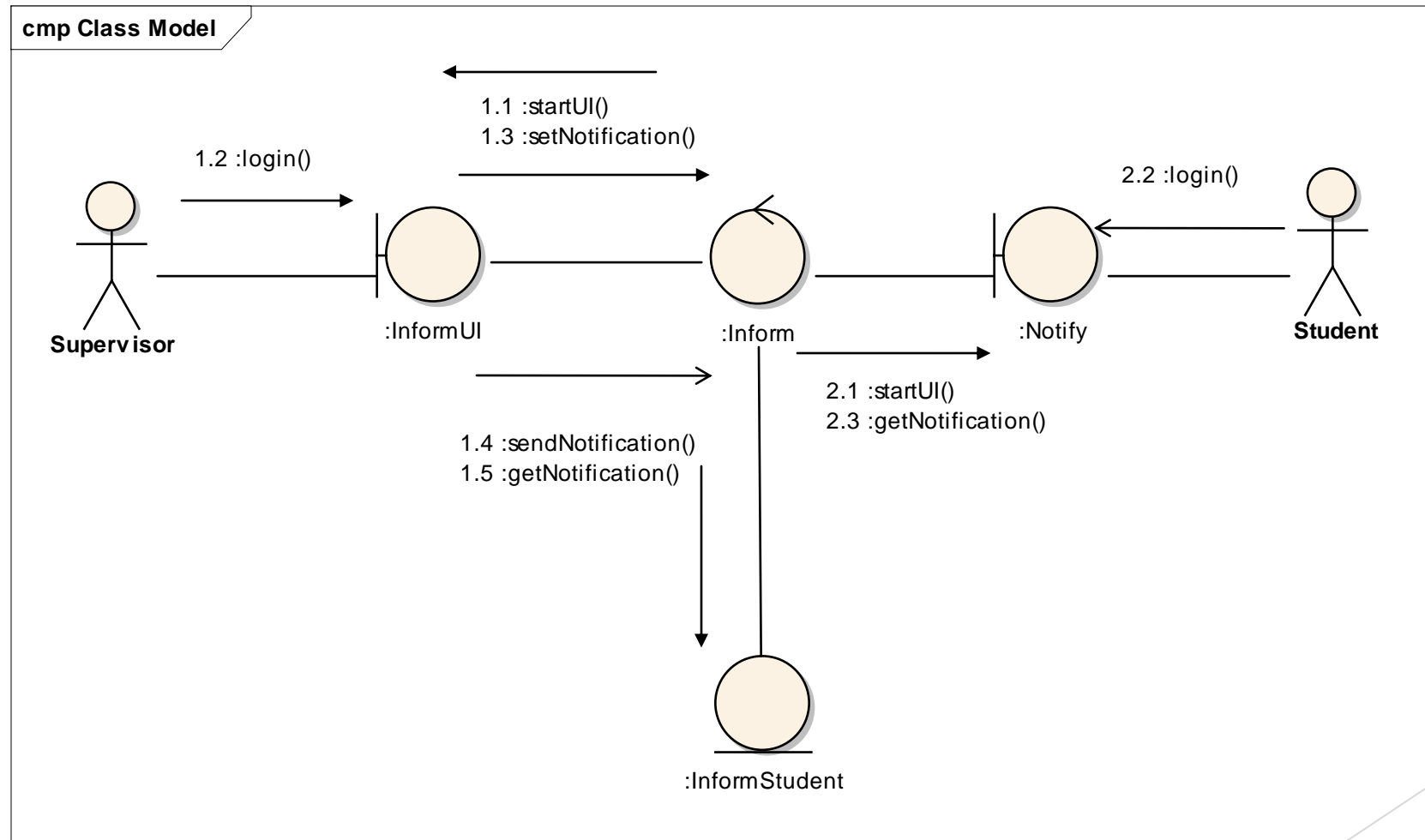


Fig 1.6.1 : Collaboration Diagram

# 1.6 Inform Student

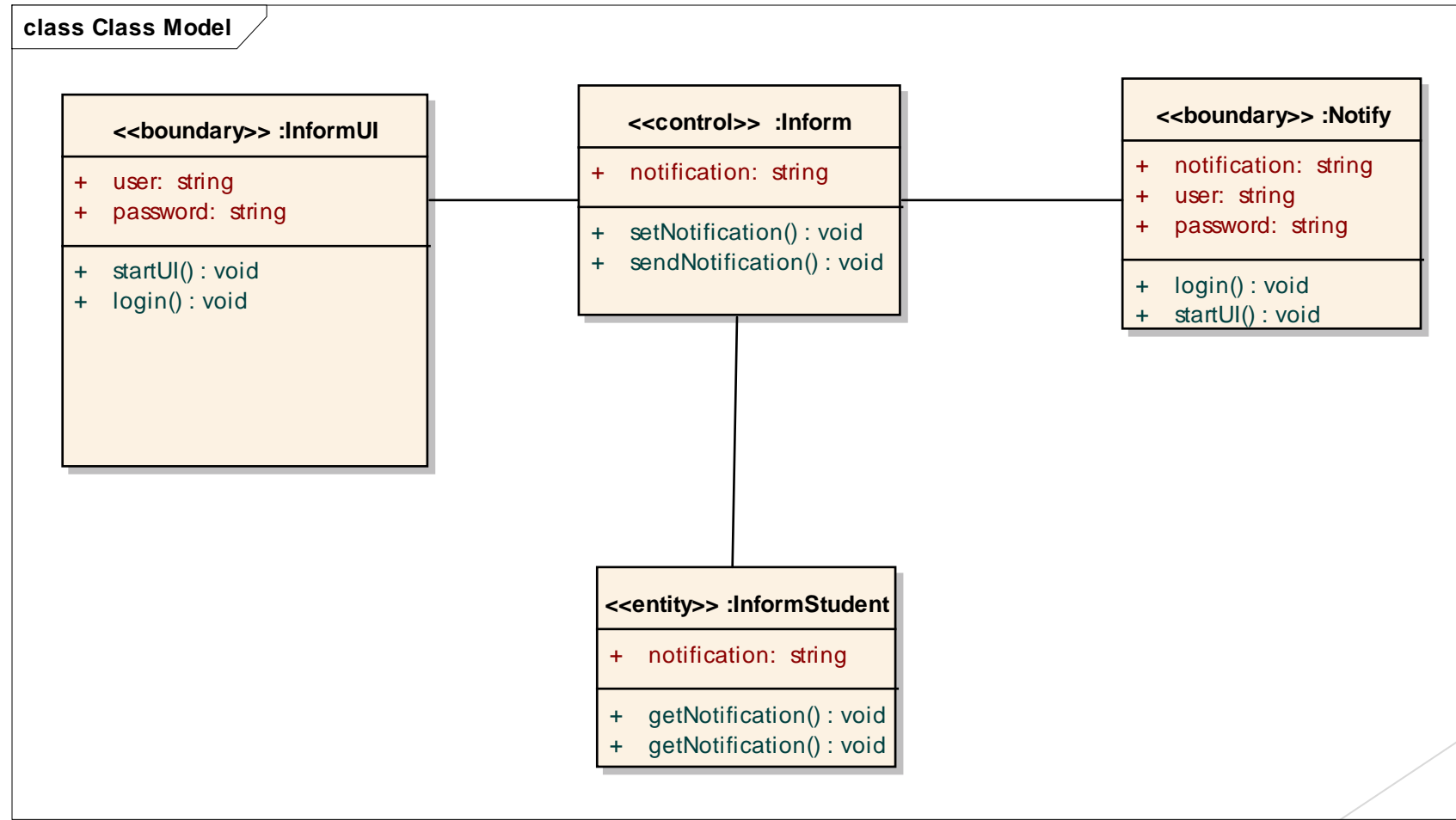


Fig 1.6.2 : Class Diagram



## 1.7 After Occupying Seat Inform Authority

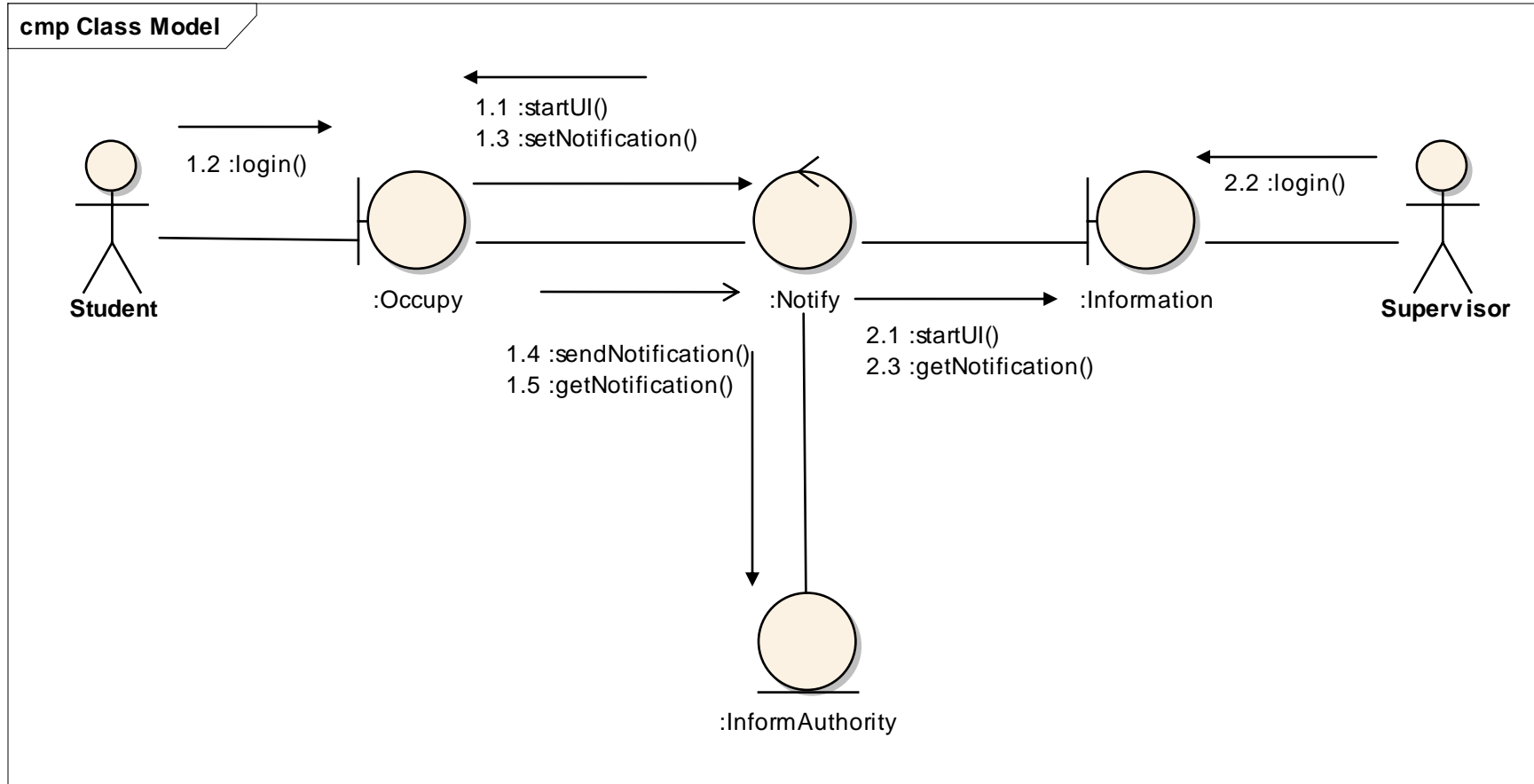


Fig 1.7.1 : Collaboration Diagram

## 1.7 After Occupying Seat Inform Authority

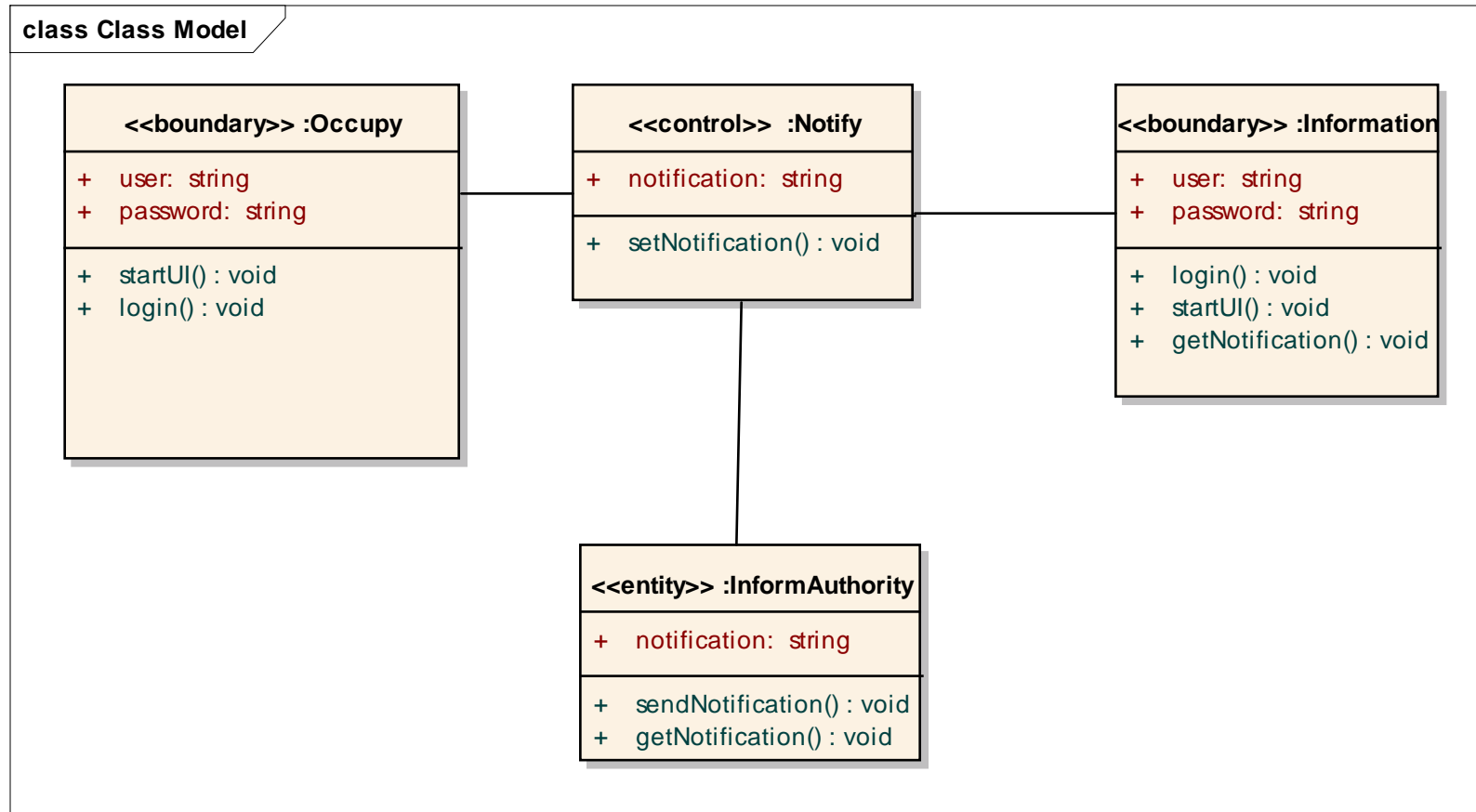


Fig 1.7.2 : Class Diagram

## 2. Hall Mess Management System

### 2.1 Mess Manager Election

2.1.1. Apply For Mess Management

2.1.2. Check Whether Eligible

2.1.3. Voting

2.1.4. Approve and Announce

### 2.2 Mess Meal Selection

2.2.1 Give Menu List

2.2.2 Select and Submit within Time

2.2.3 Default Meal if not Submitted

## 2.1.Mess Manager Election

Use Case  
Diagram:

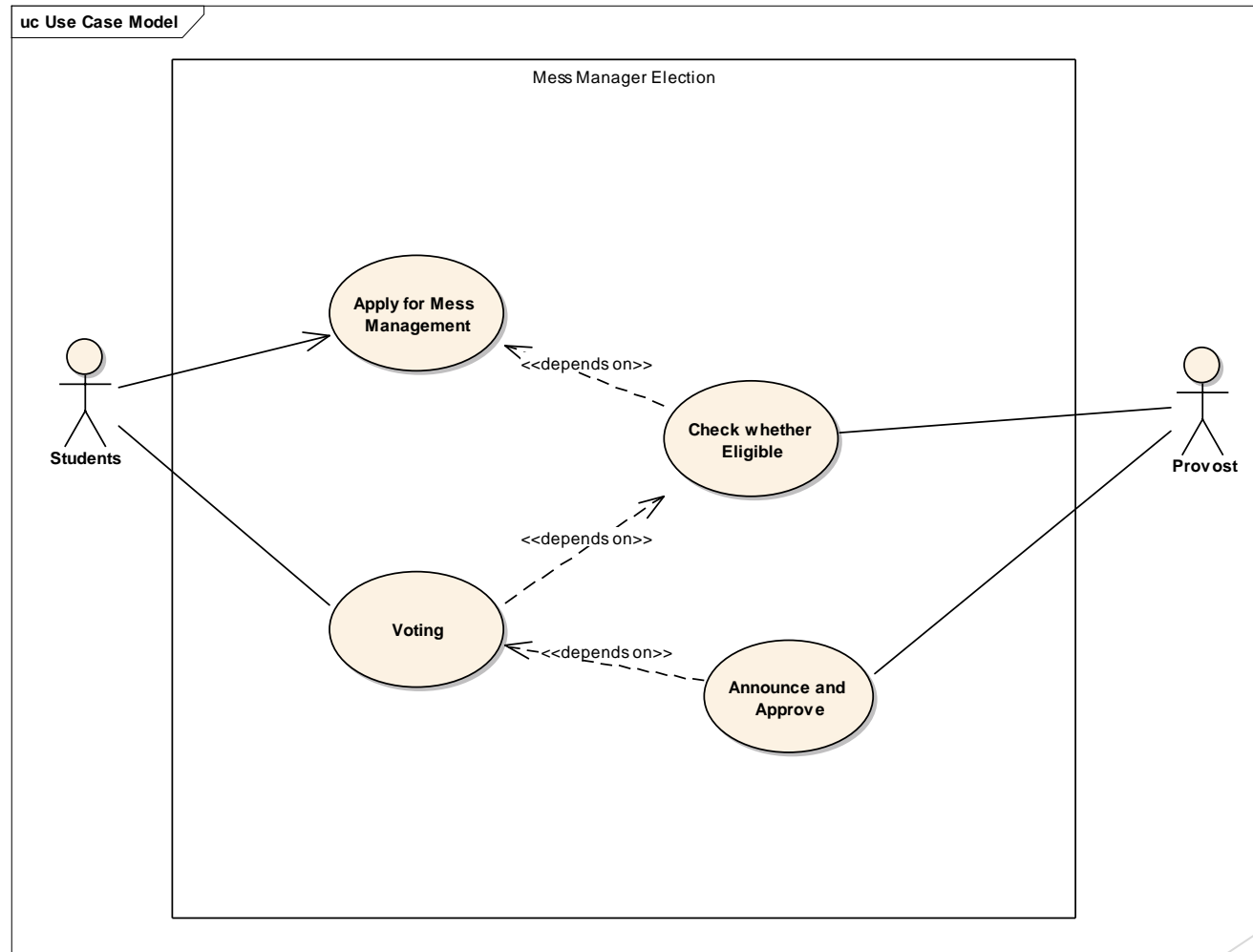


Figure 2.1.Use Case Diagram of Mess Manager Election

## 2.1.1. Apply For Mess Management

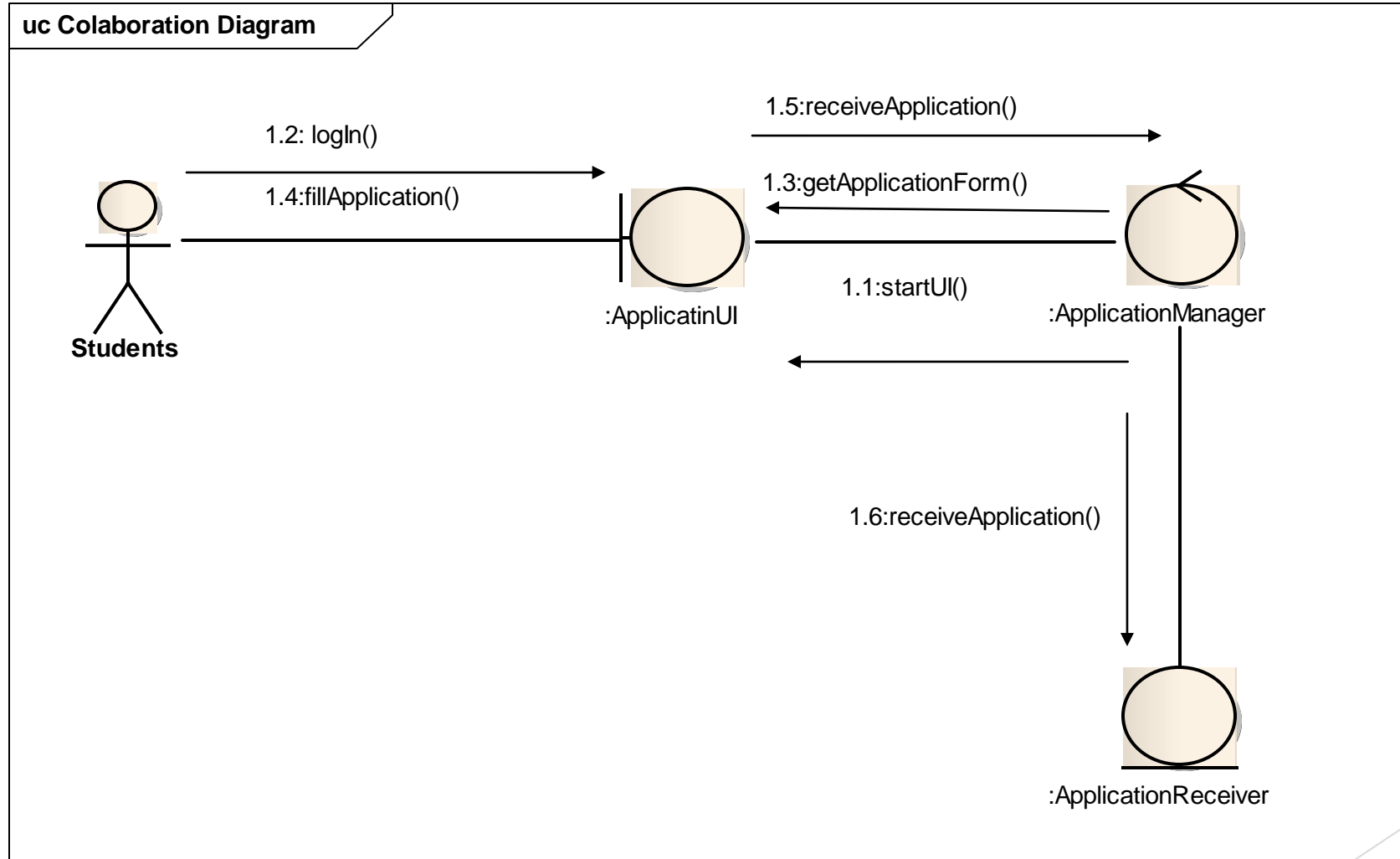


Fig 2.1.1.1 : Collaboration Diagram

## 2.1.1. Apply For Mess Management

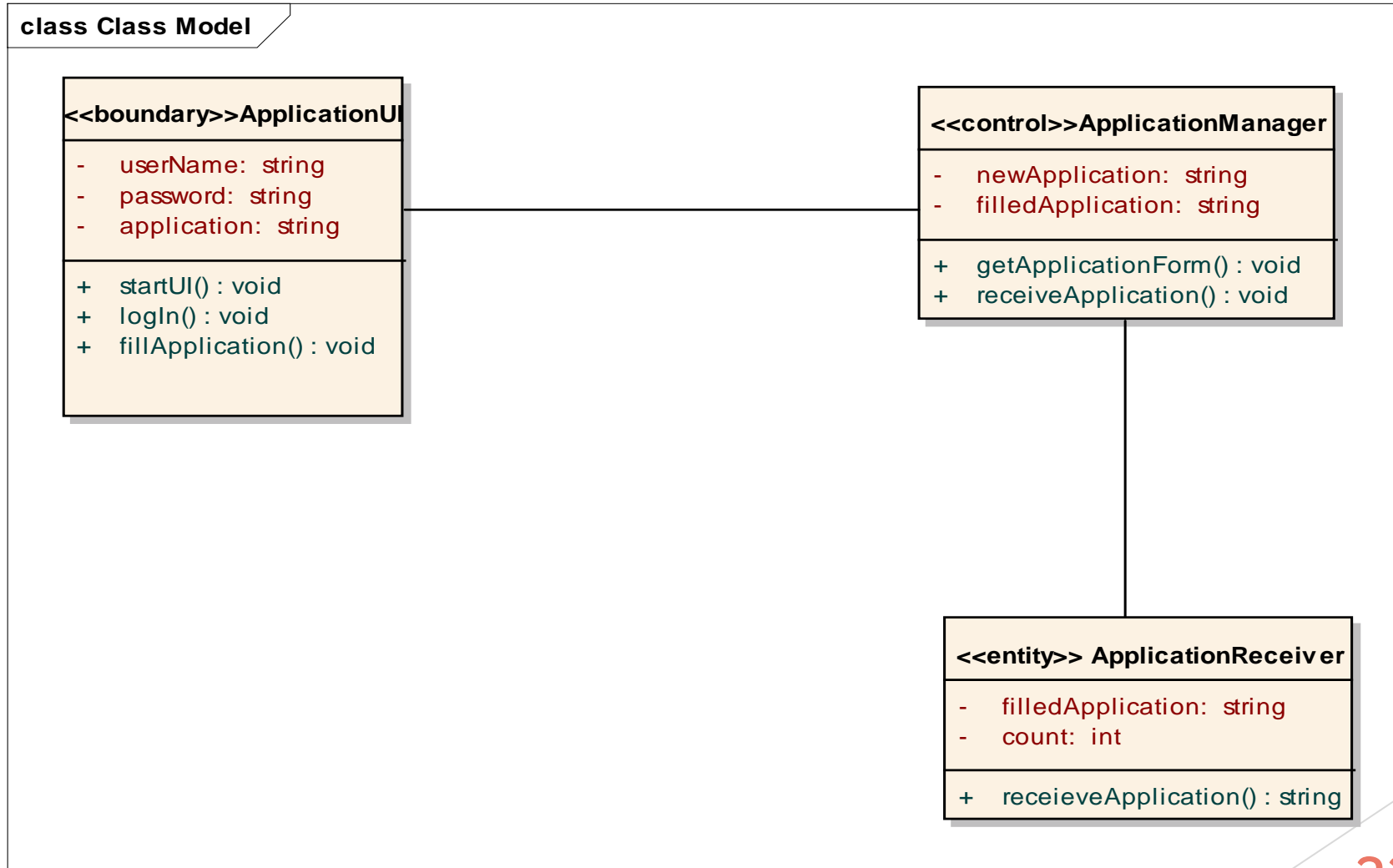


Fig 2.1.1.2 : Class Diagram

## 2.1.2. Check Whether Eligible

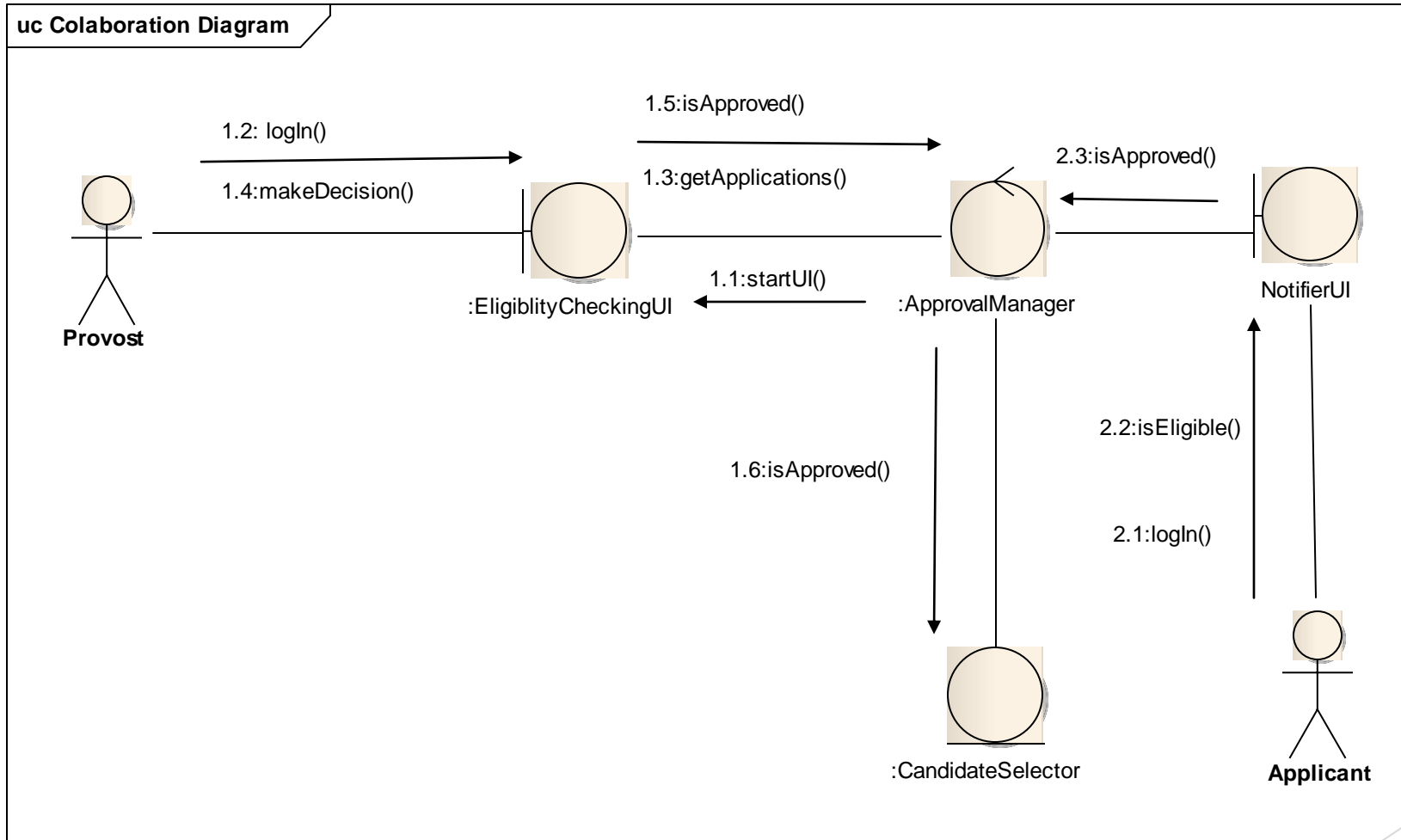


Fig 2.1.2.1 : Collaboration Diagram

## 2.1.2. Check Whether Eligible

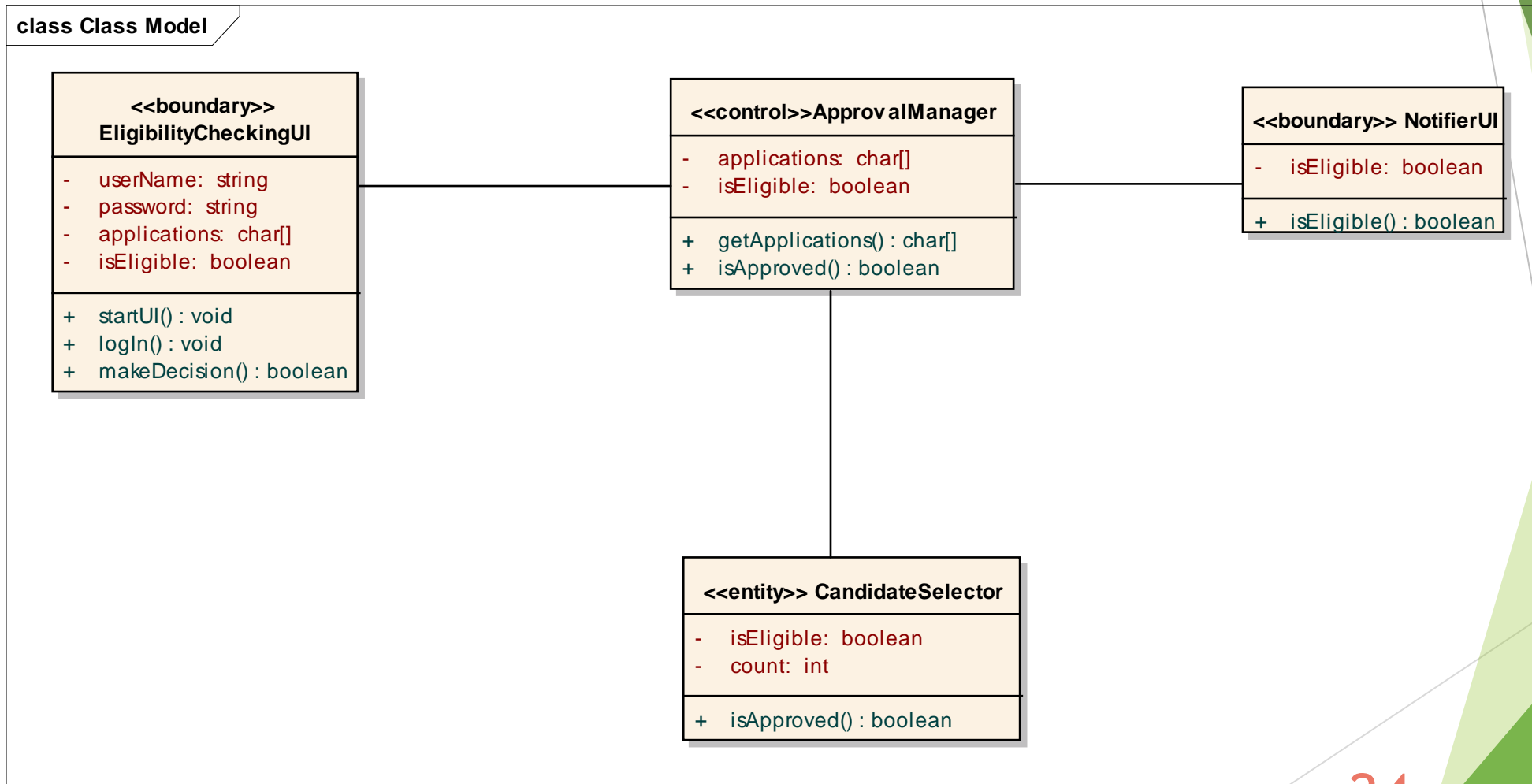


Fig 2.1.2.2 : Class Diagram



## 2.1.3. Voting

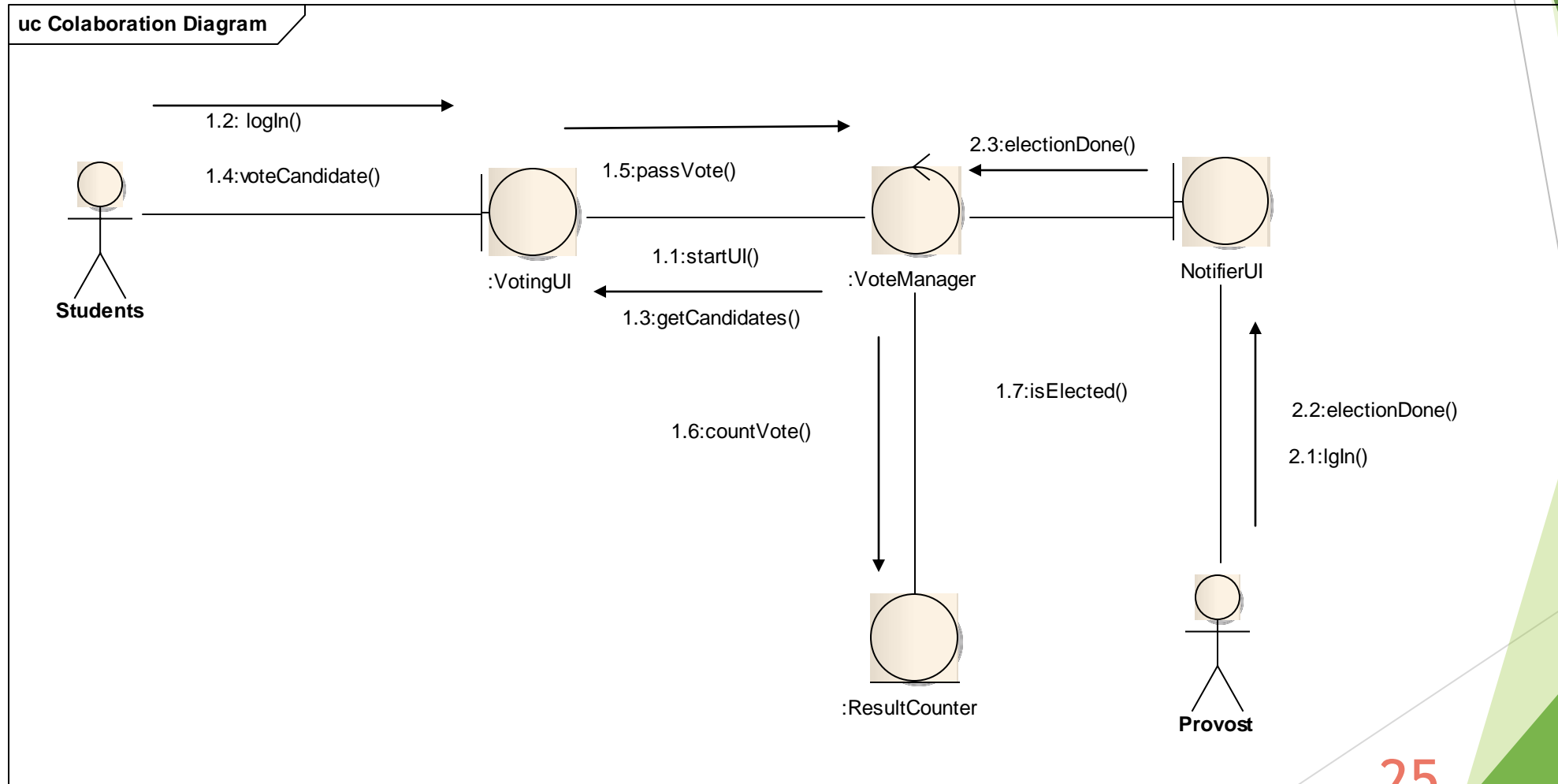


Fig 2.1.3.1 : Collaboration Diagram

## 2.1.3.Voting

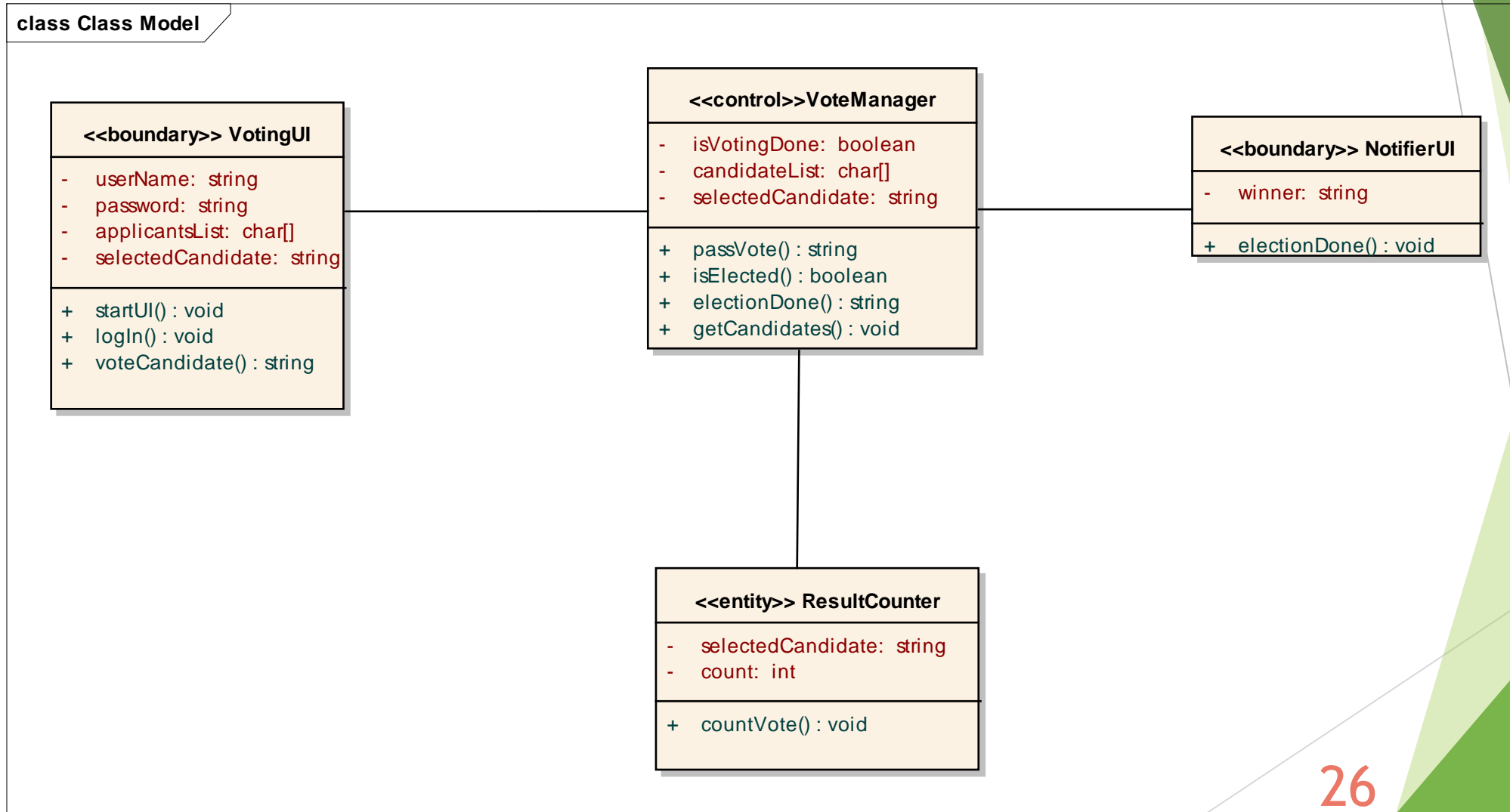


Fig 2.1.3.2 : Class Diagram

## 2.1.4. Approve and Announce

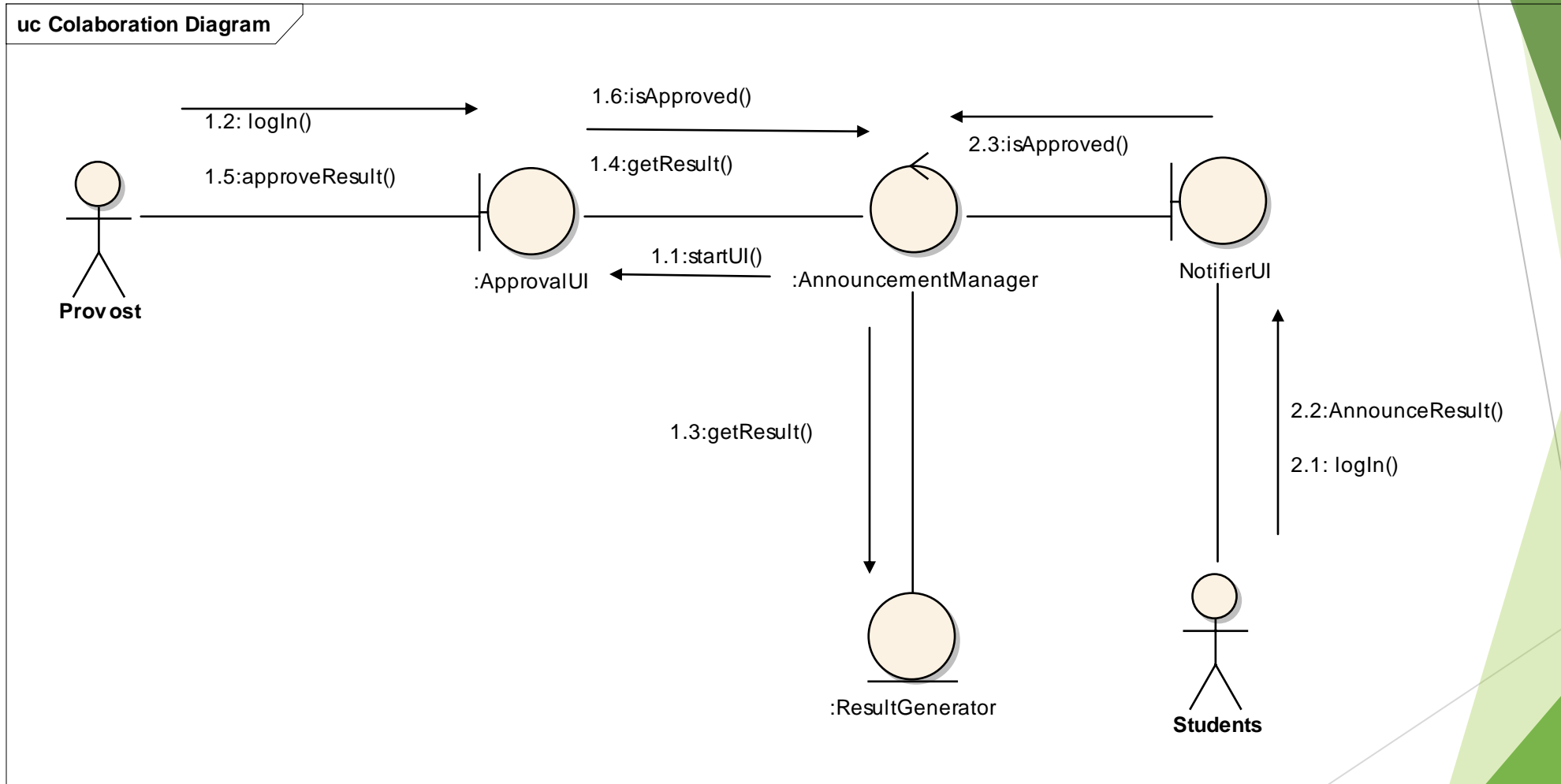


Fig 2.1.4.1 : Collaboration Diagram

## 2.1.4. Approve and Announce

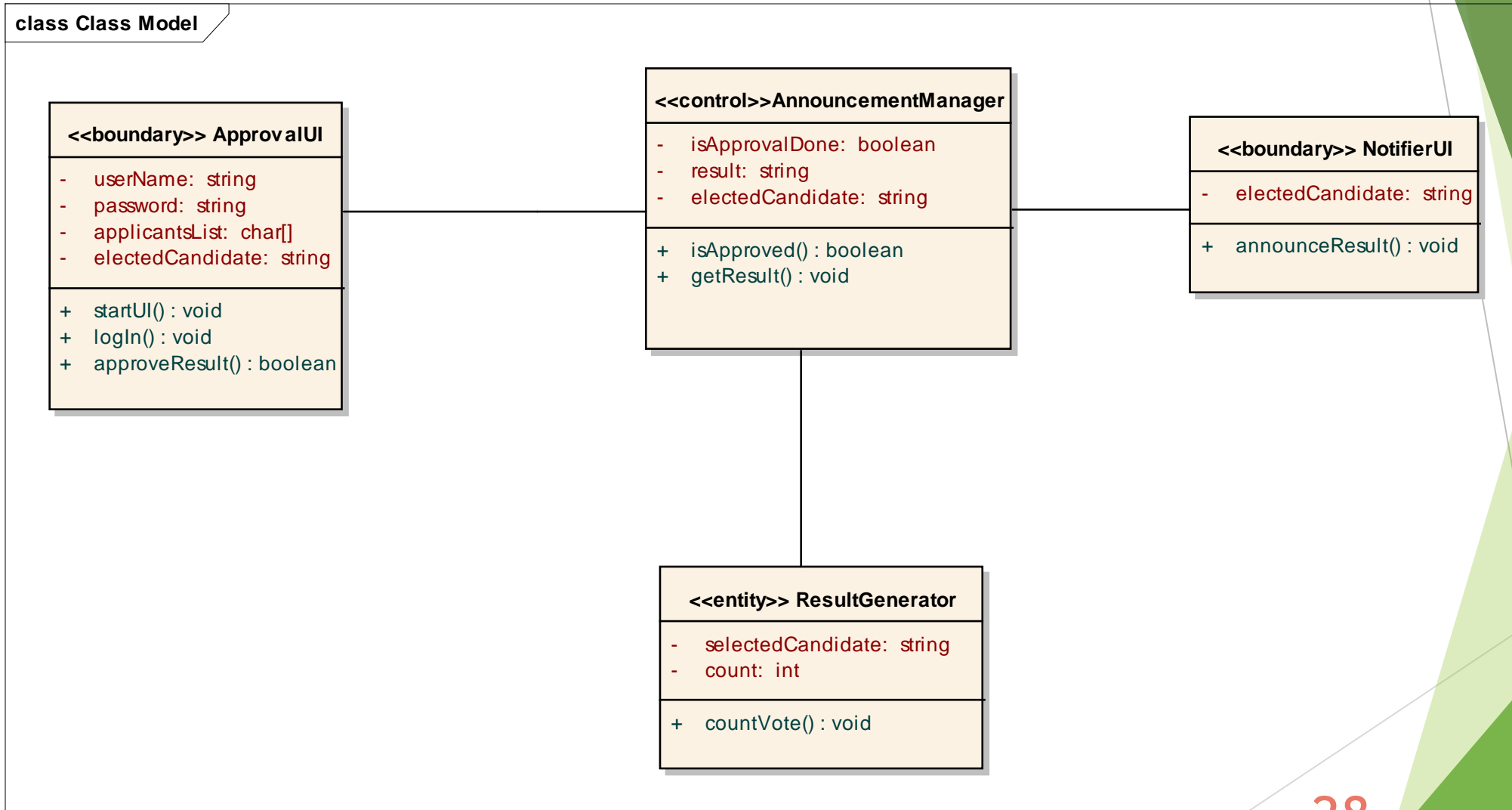


Fig 2.1.4.2 : Class Diagram

## 2. Hall Mess Management System

### 2.1 Mess Manager Election

2.1.1. Apply For Mess Management

2.1.2. Check Whether Eligible

2.1.3. Voting

2.1.4. Approve and Announce

### 2.2 Mess Meal Selection

2.2.1 Give Menu List

2.2.2 Select and Submit within Time

2.2.3 Default Meal if not Submitted

## 2.2.Mess Meal Selection

Use Case  
Diagram:

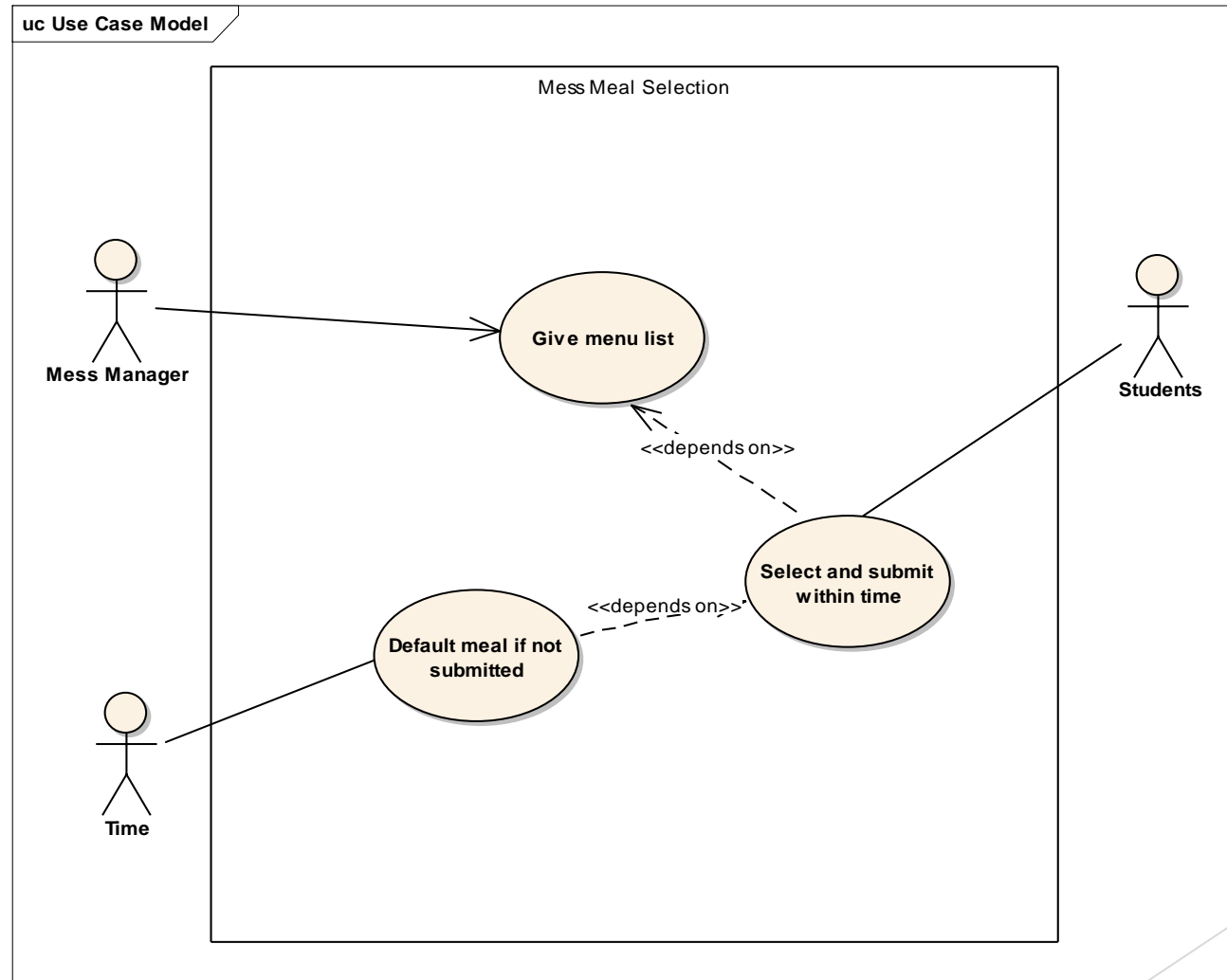


Figure 2.2: Use case diagram of mess meal selection

## 2.2.1 Give Menu List

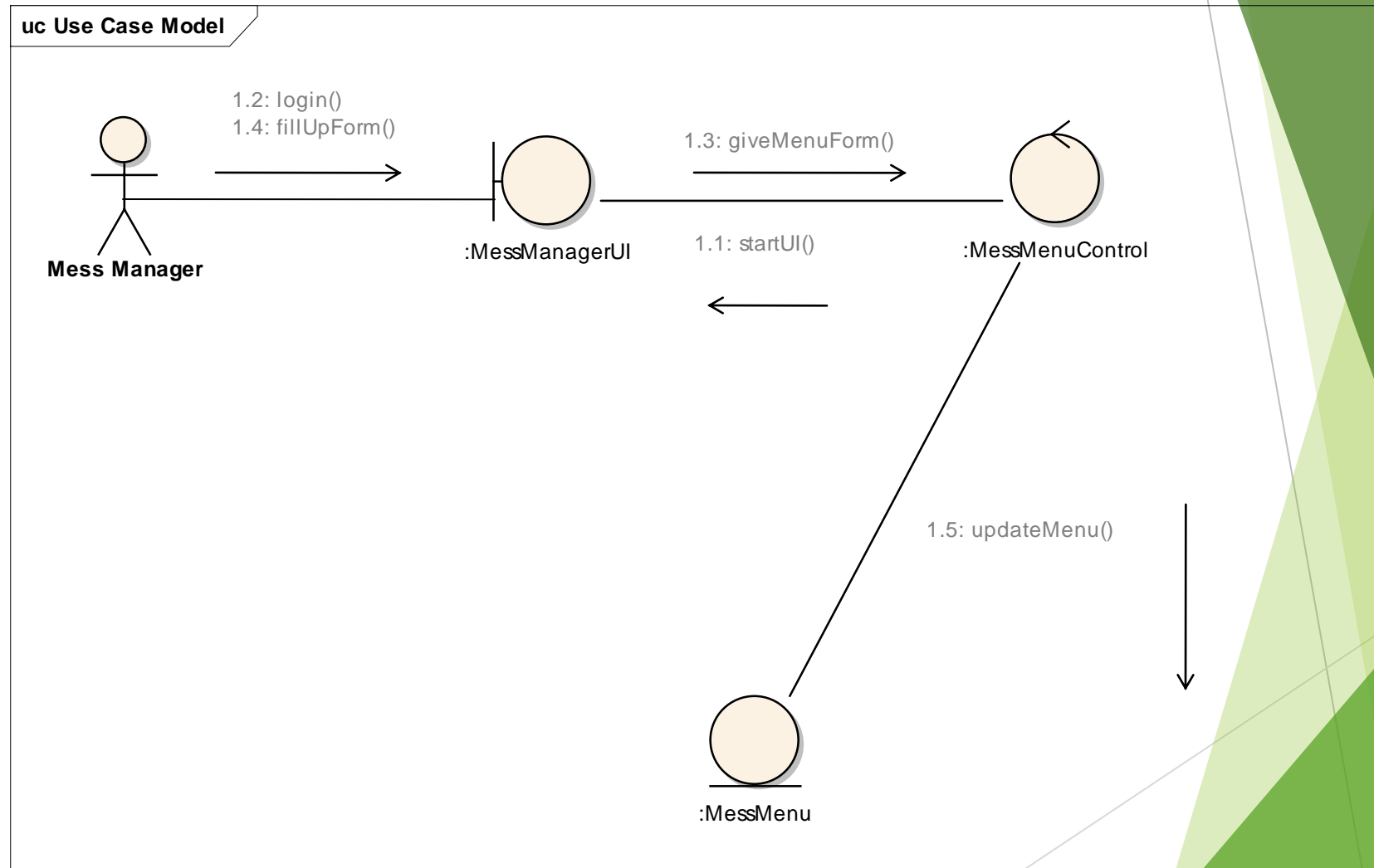


Fig : 2.2.1.1 Collaboration Diagram

## 2.2.1 Give Menu List

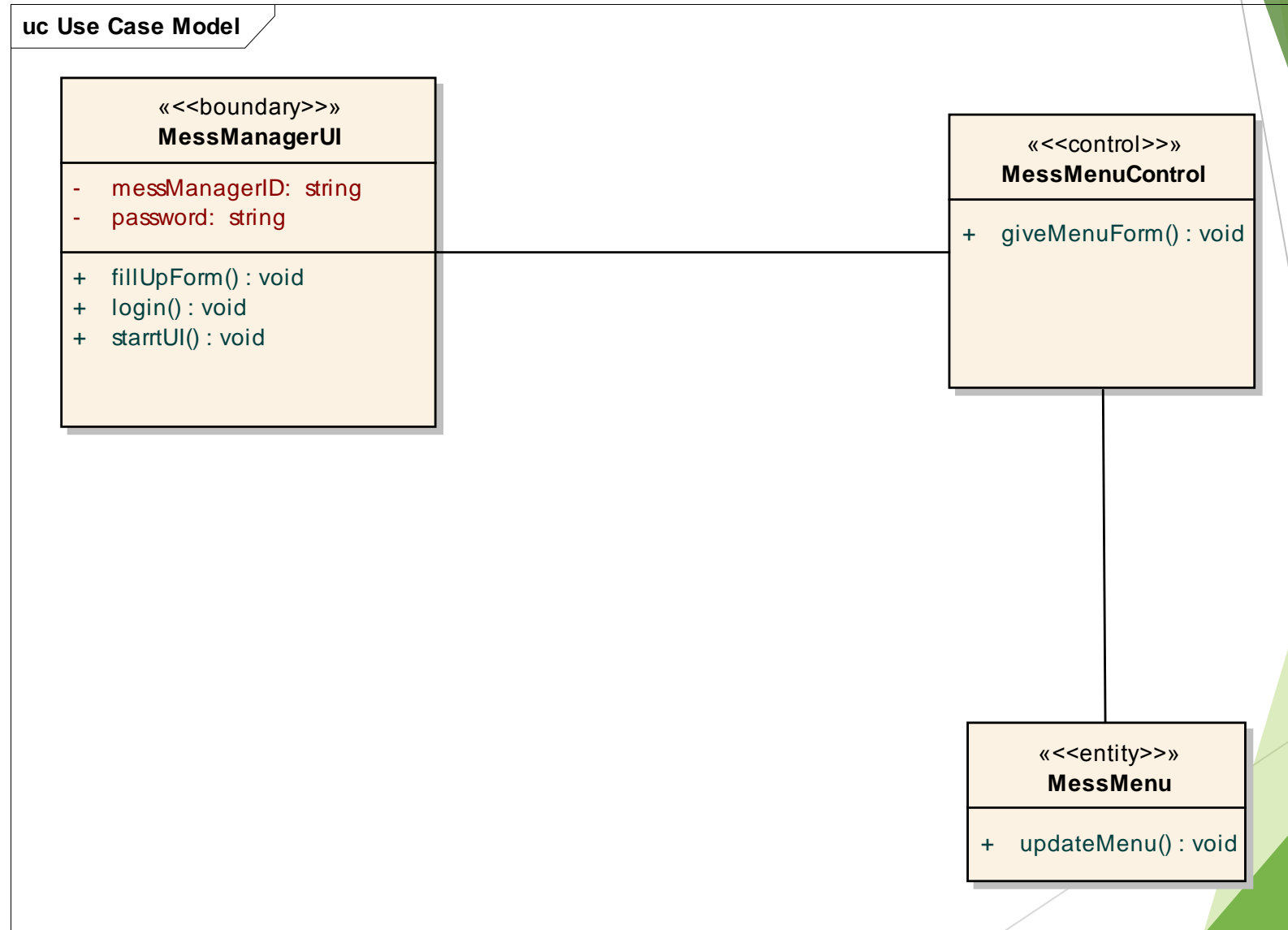


Fig : 2.2.1.2 Class Diagram



## 2.2.2 Select and Submit within Time

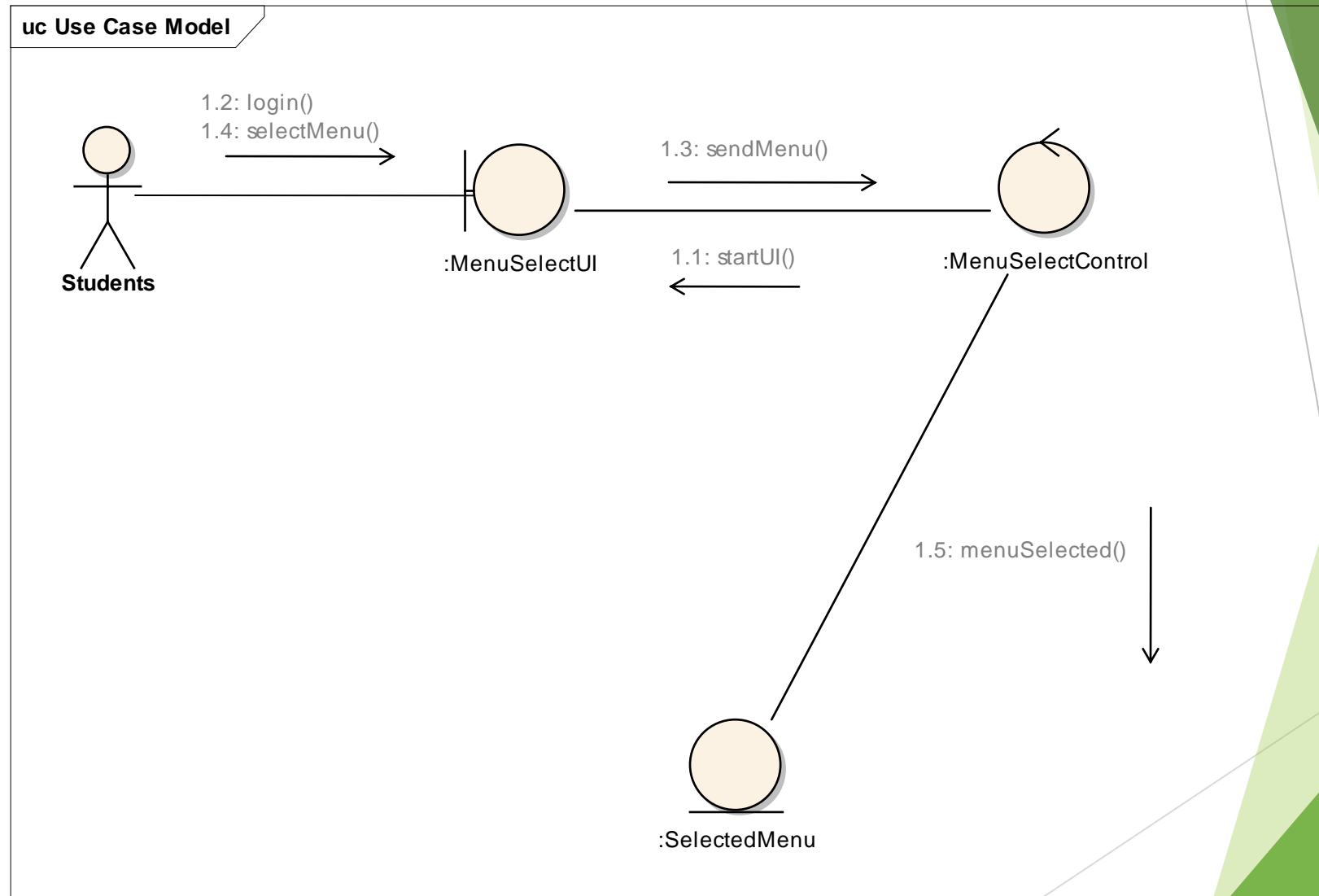


Fig : 2.2.2.1 Collaboration Diagram

## 2.2.2 Select and Submit within Time

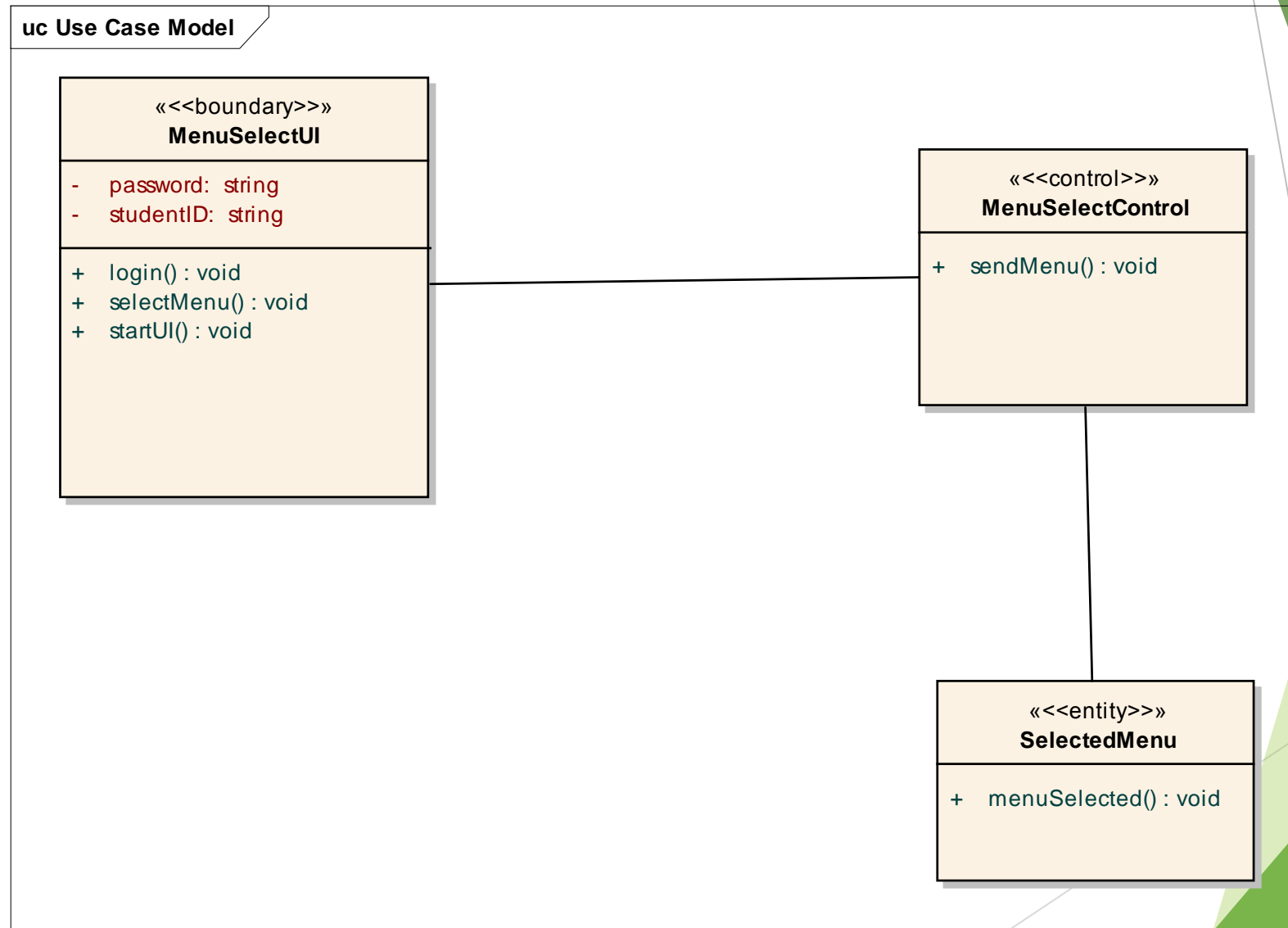
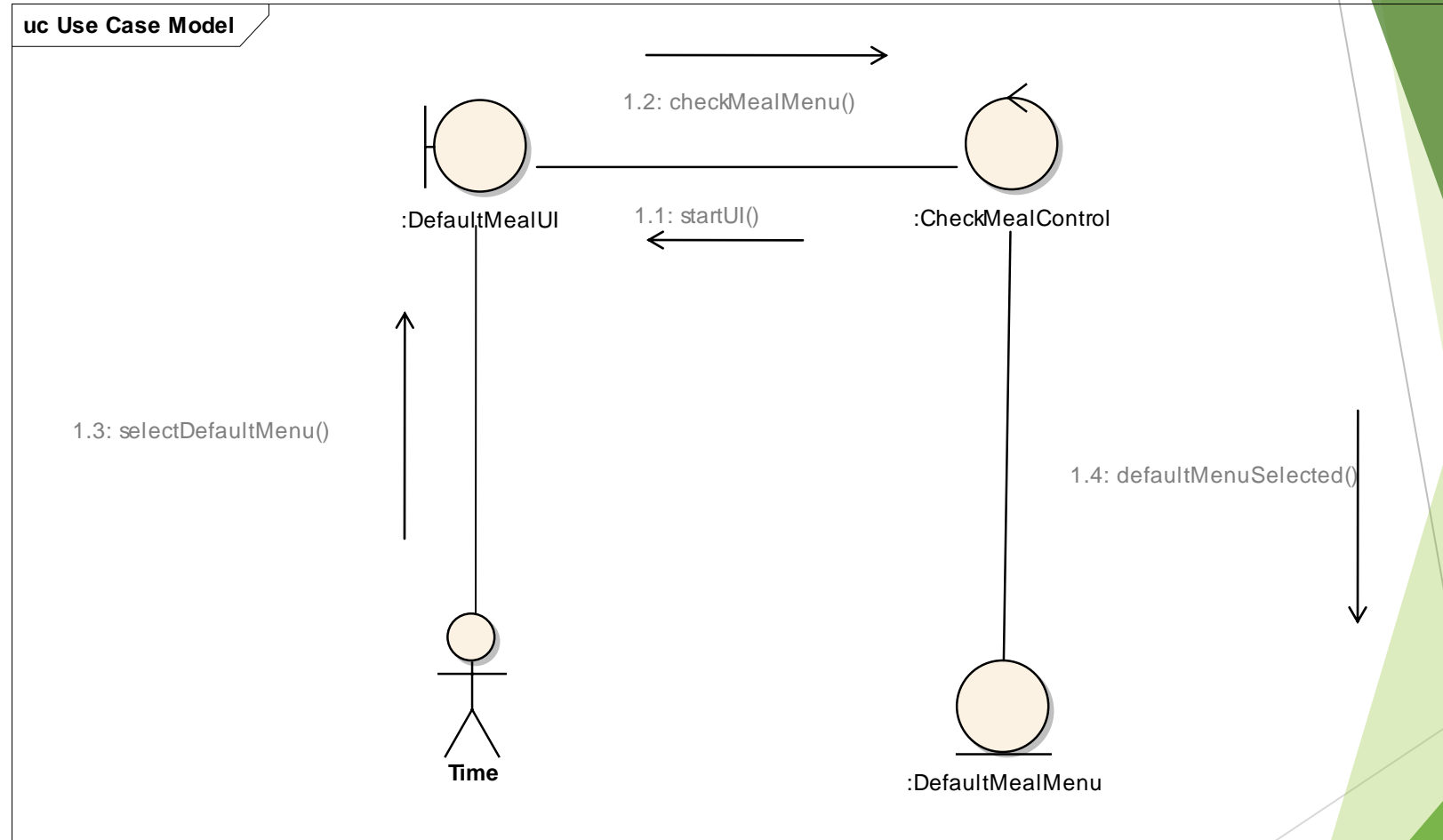


Fig : 2.2.2.2 Class Diagram

## 2.2.3 Default Meal if not Submitted



## 2.2.3 Default Meal if not Submitted

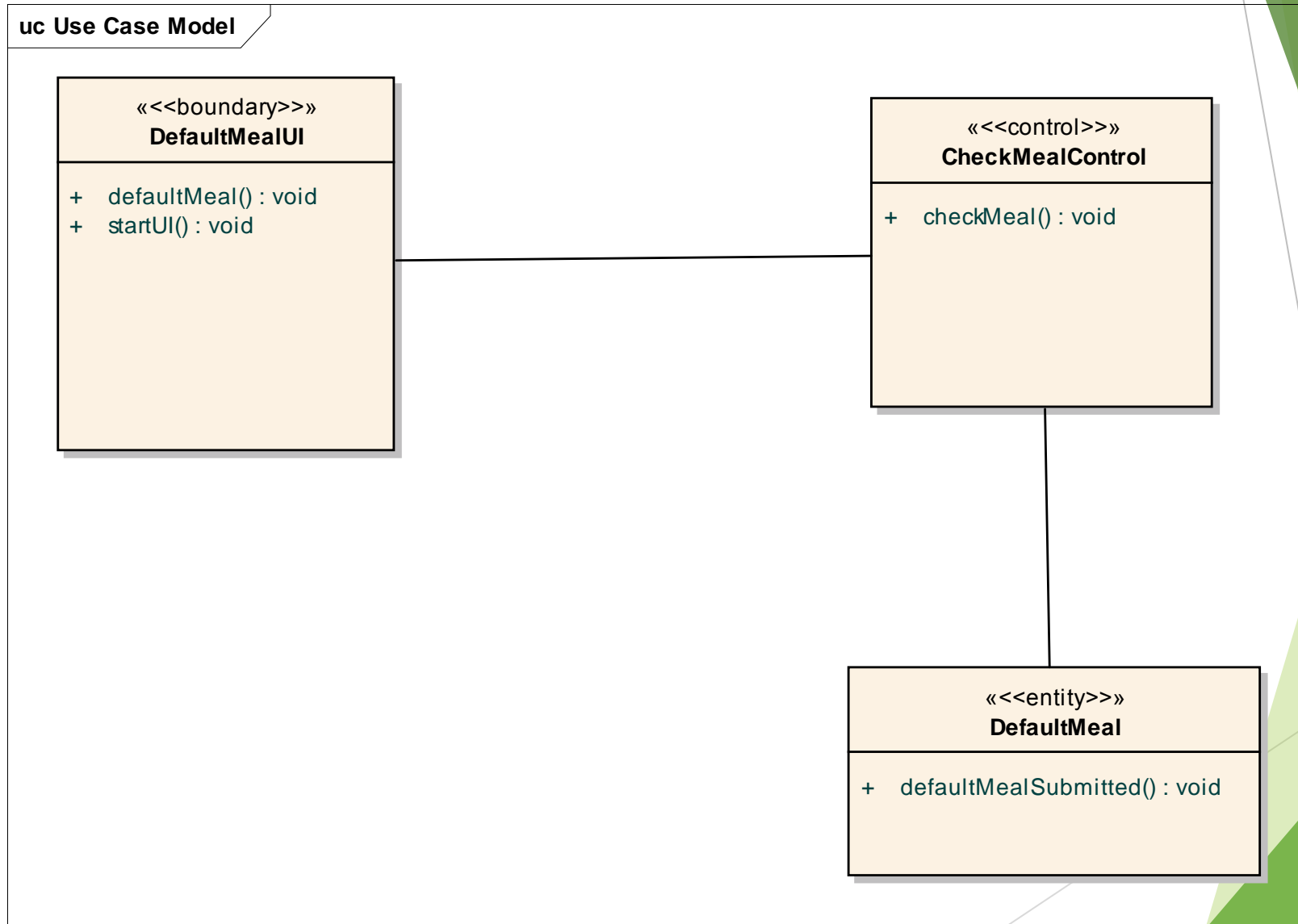


Fig : 2.2.3.2 Class Diagram

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Thank You