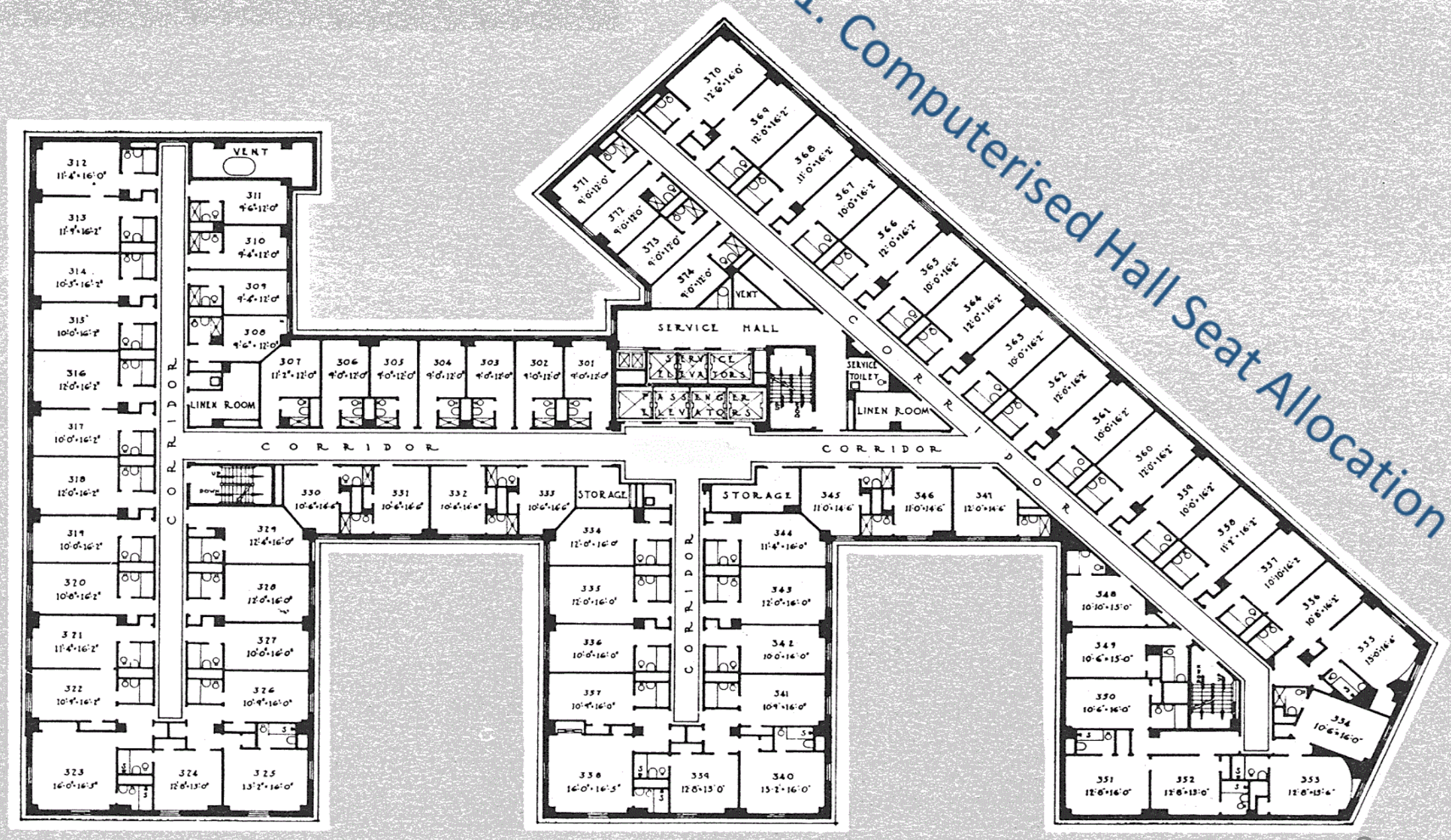
Hall Management System

Subsystem

- 1. Computerized Hall Seat Alocation
- 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. 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 Inform Authority

1.Computerized Hall Seat Allocation

Use Case Diagram:

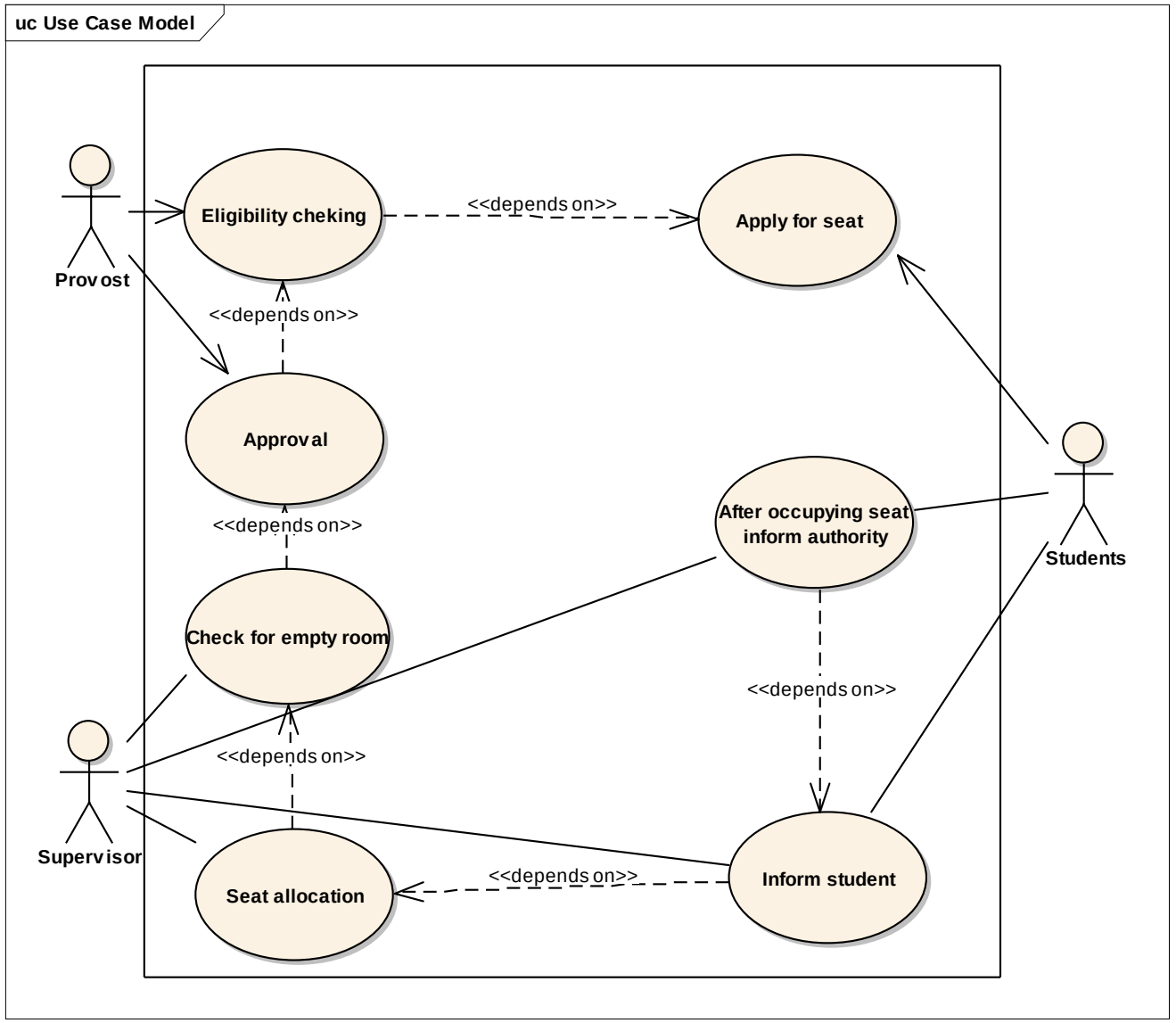


Figure 1: Use Case Diagram of Hall Seat Allocation

1.1 Apply For Seat

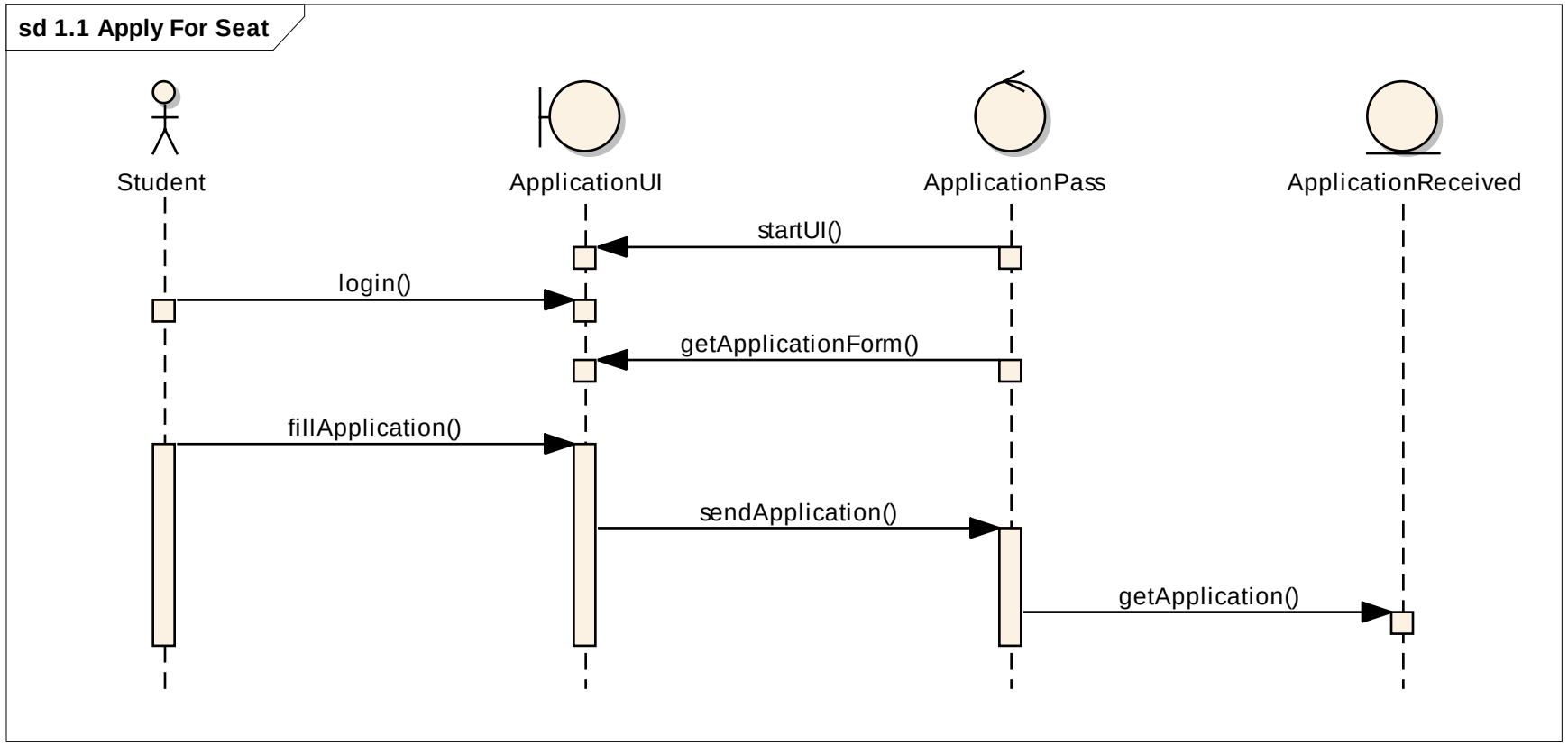


Figure : Sequence Diagram of Applying for Seat

1.1 Apply For Seat

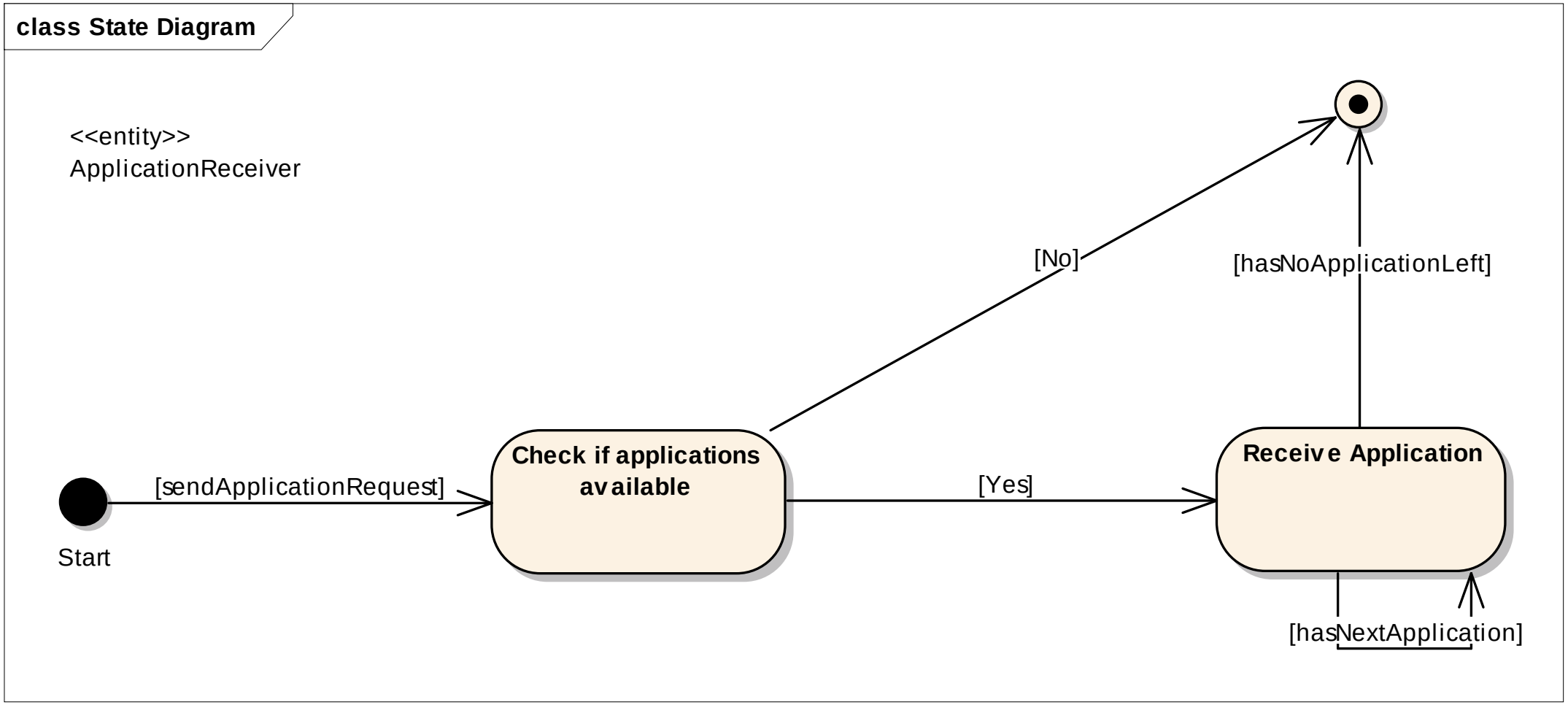


Fig 1.1 : State-chart Diagram

1.2 Eligibility Checking

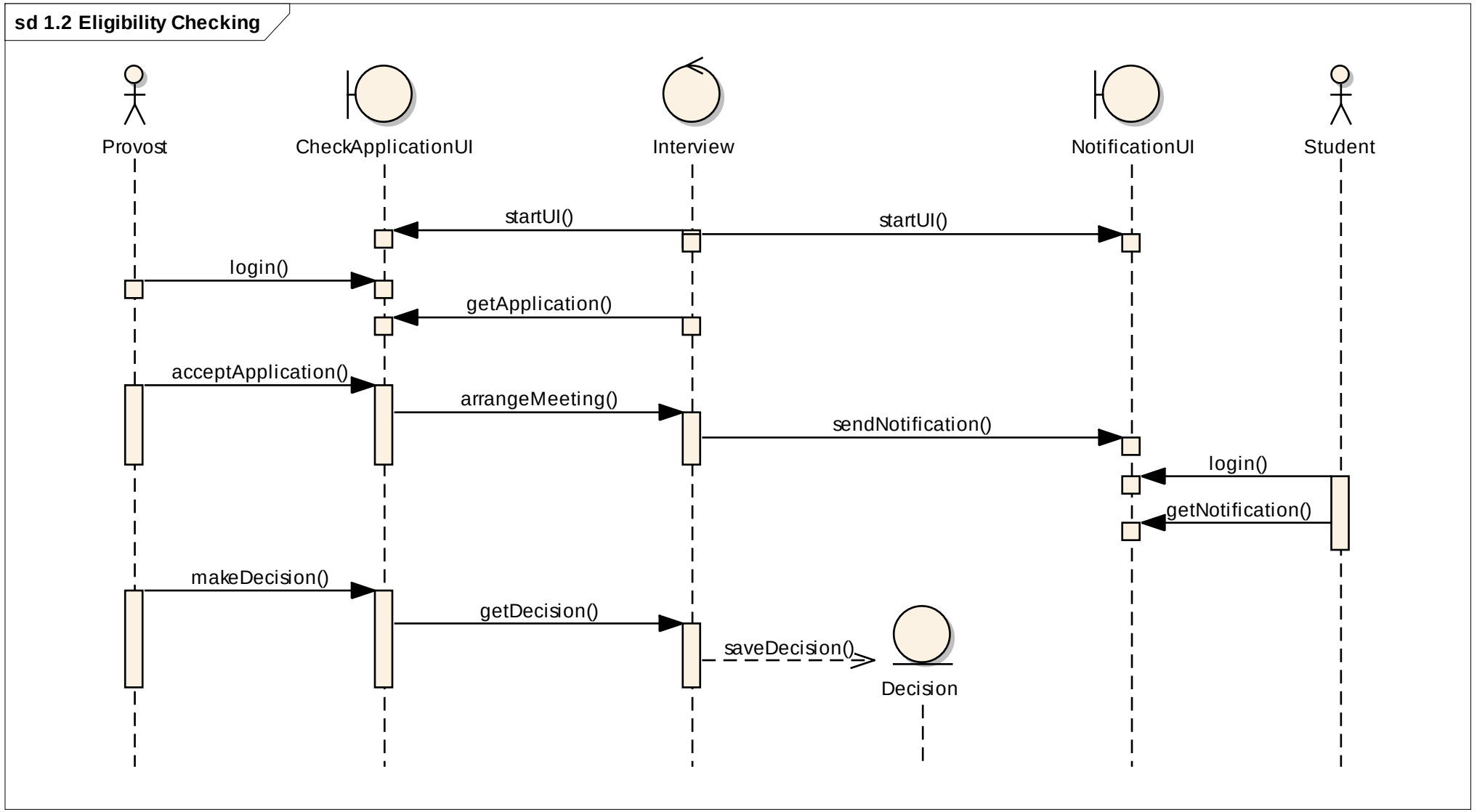


Figure : Sequence Diagram of Applying for Seat

1.2 Eligibility Checking

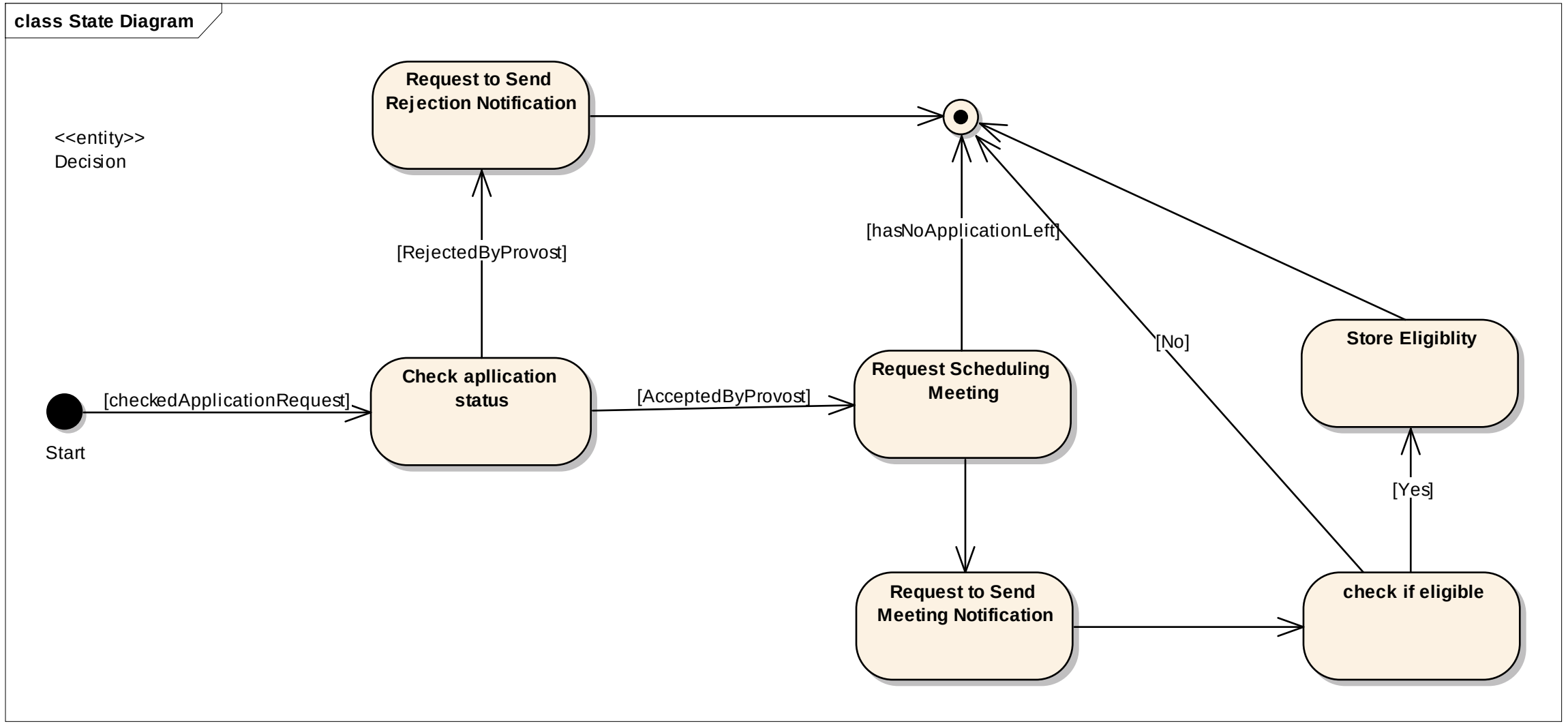


Fig 1.2 : State-chart Diagram

1.3 Approval

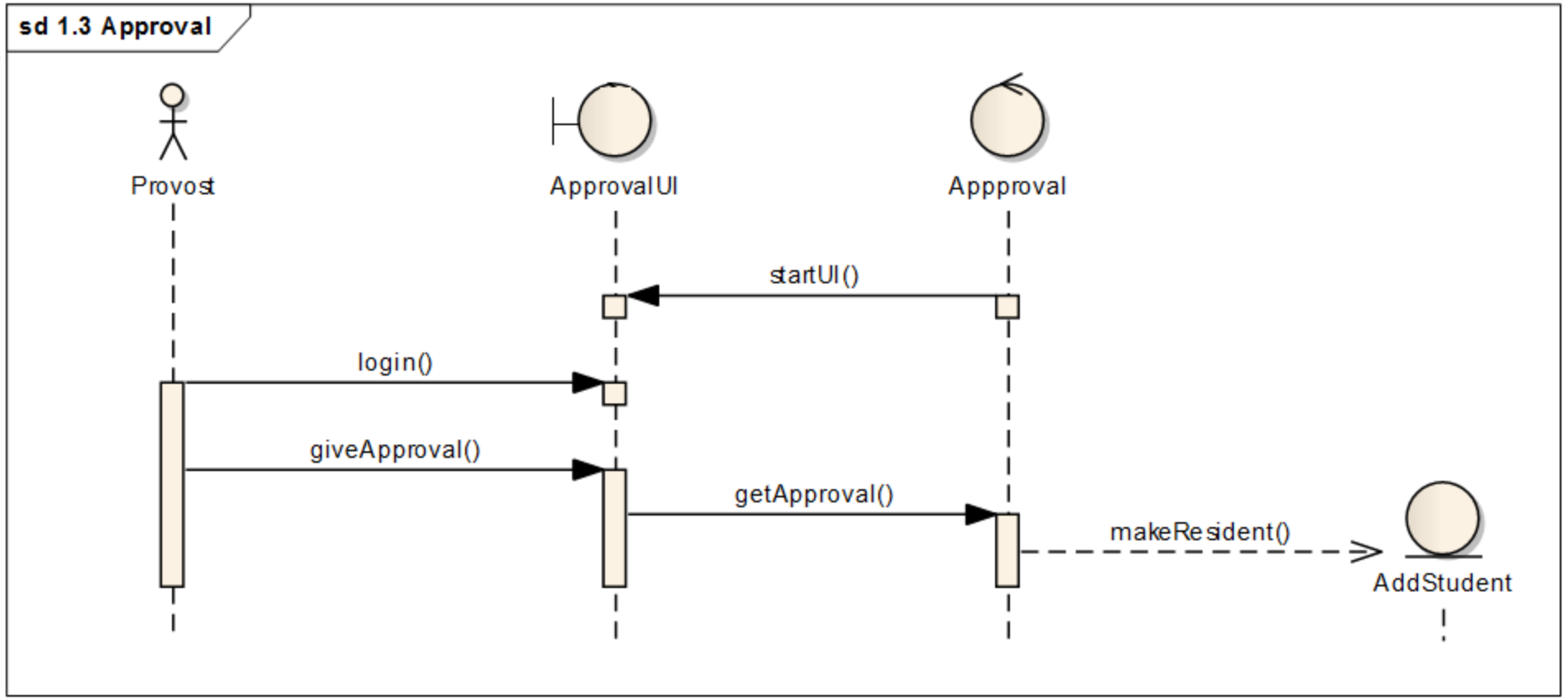


Figure : Sequence Diagram of Approval

1.3 Approval

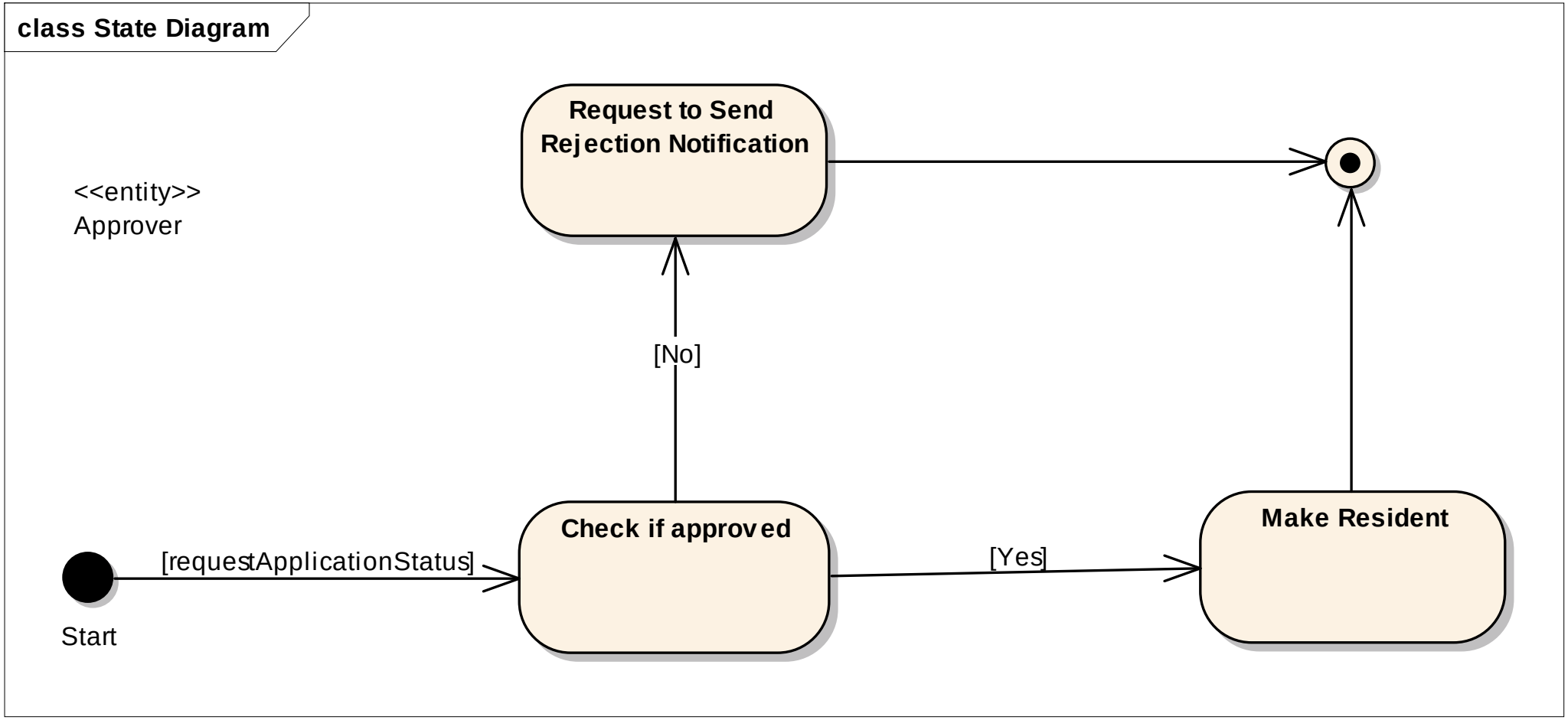


Fig 1.3 : State-chart Diagram

1.4 Check For Empty Room

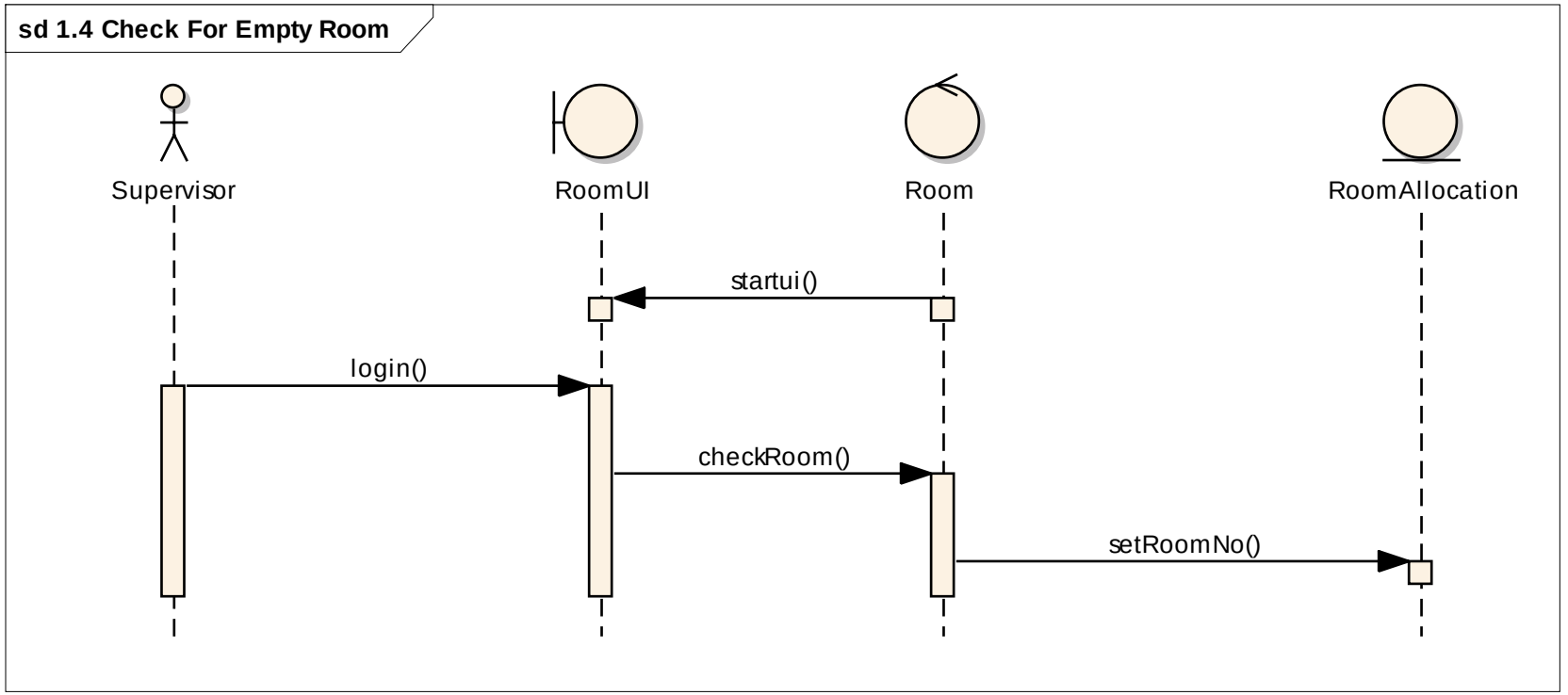


Figure: Sequnce Diagram of Checking for an Empty Room

1.4 Check for Empty Room

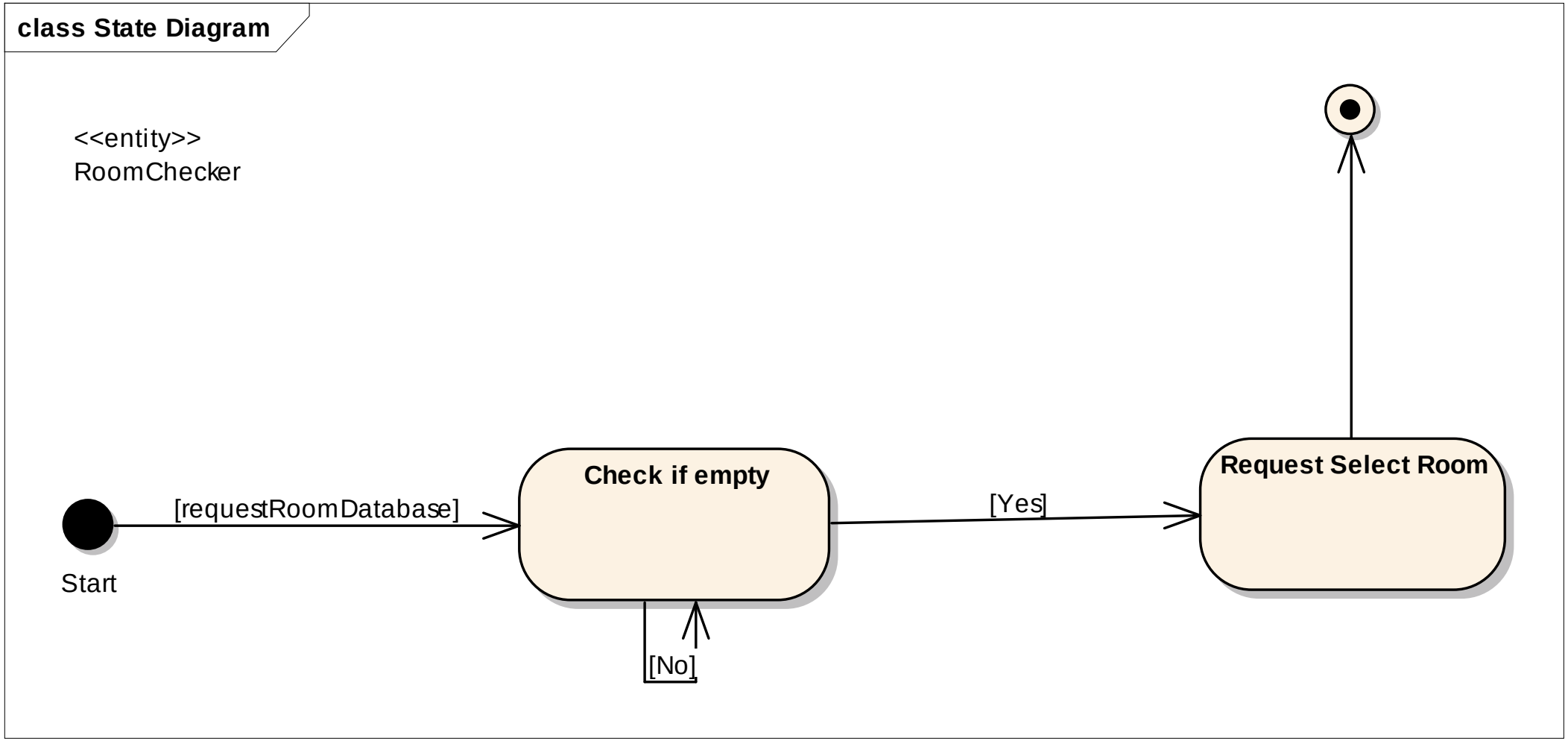


Fig 1.4 : State-chart Diagram

1.5 Seat Allocation

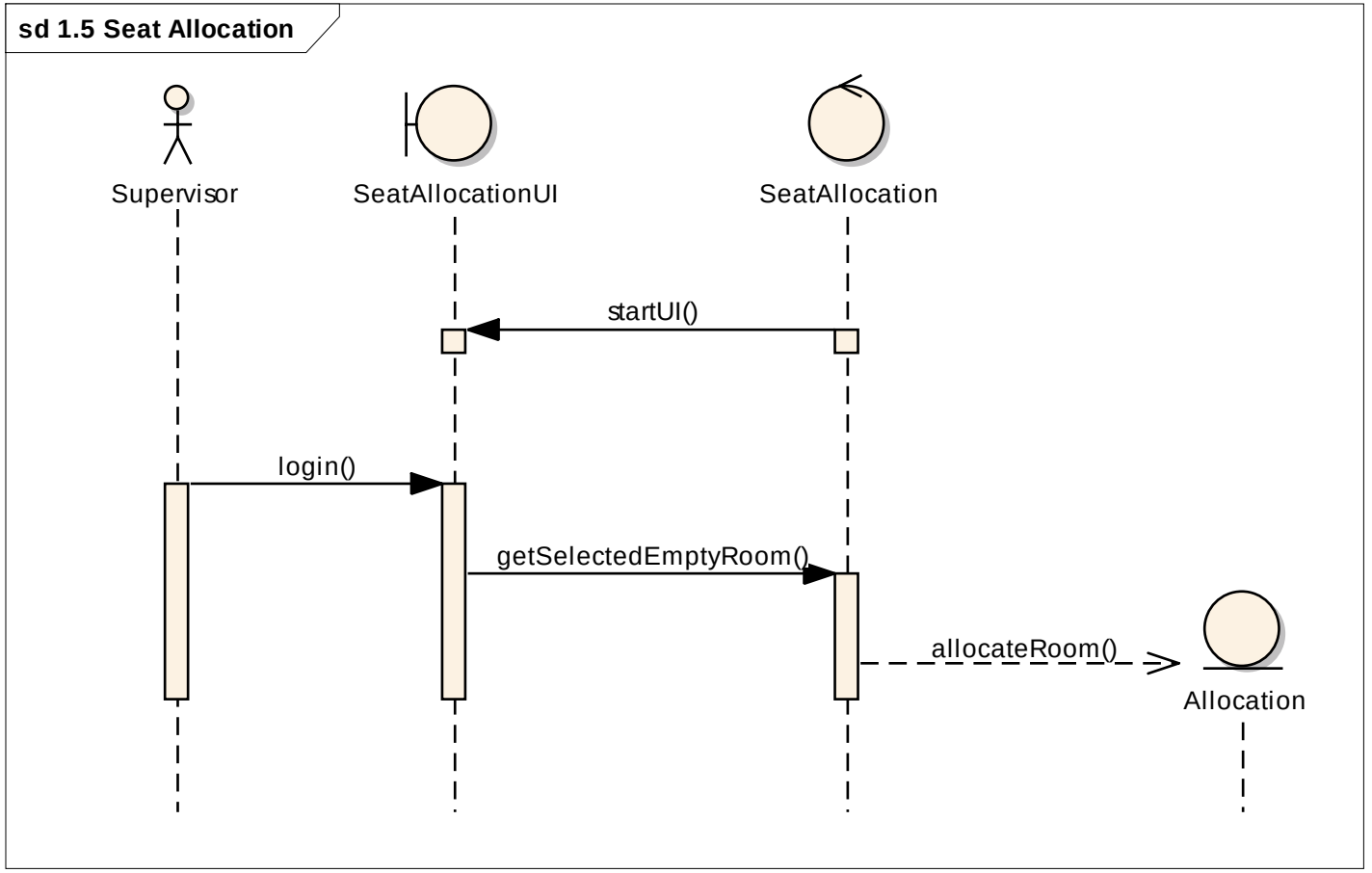


Figure: Sequence Diagram of Seat Allocation

1.5 Seat Allocation

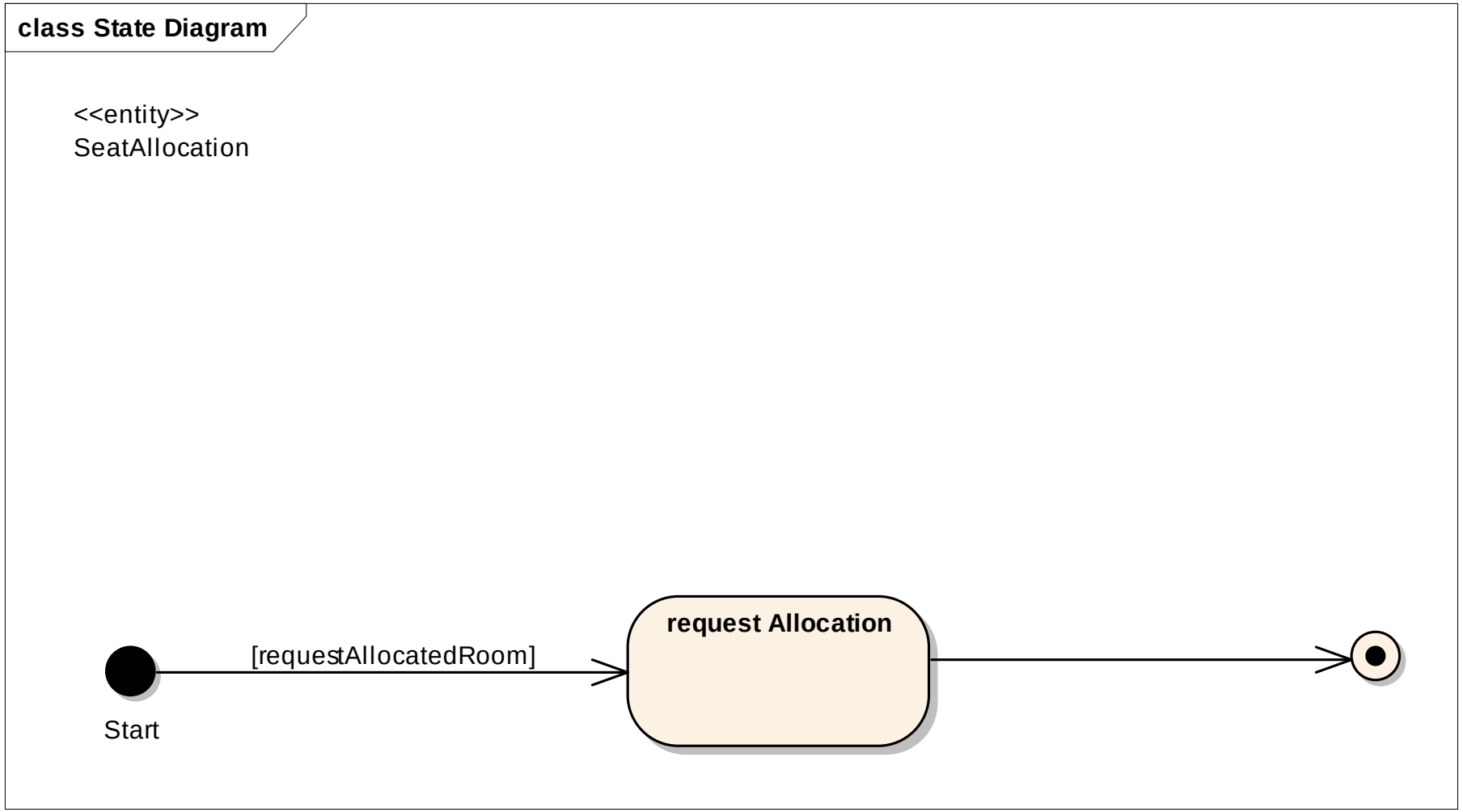


Fig 1.5 : State-chart Diagram

1.6 Inform Student

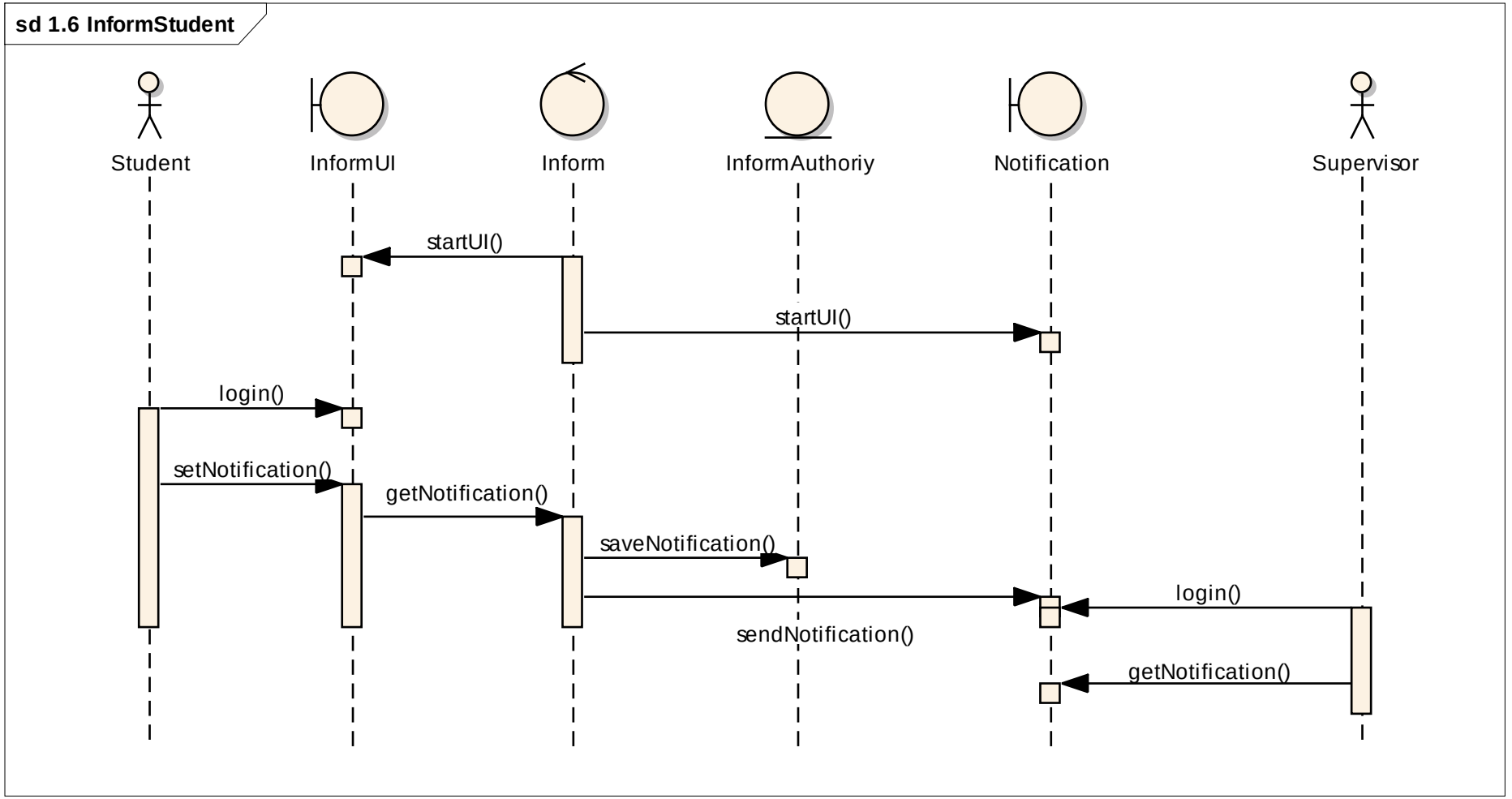


Figure : Sequence Diagram of Informing The Student

1.6 Inform Student

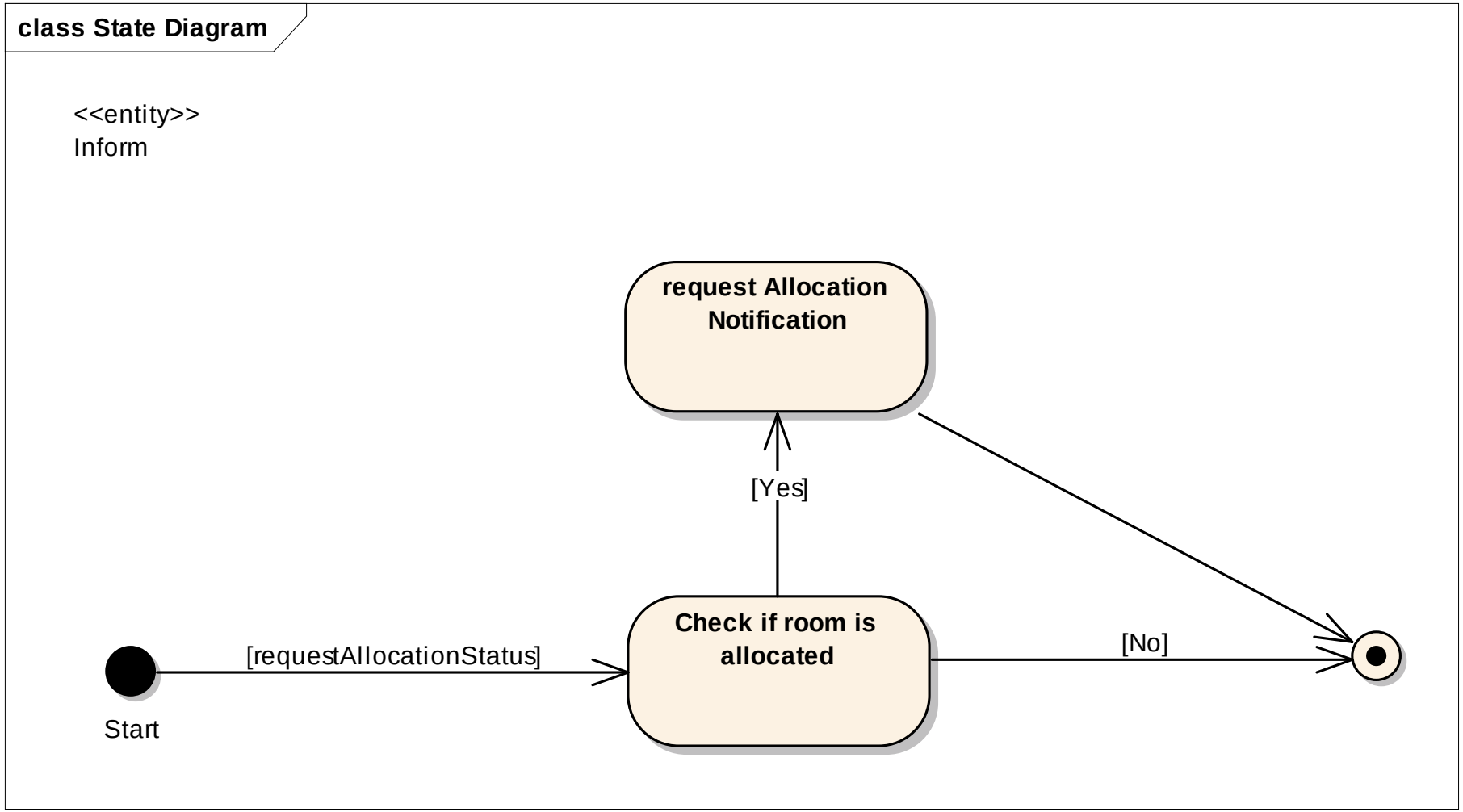


Fig 1.6 : State-chart Diagram

1.7 Inform Authority

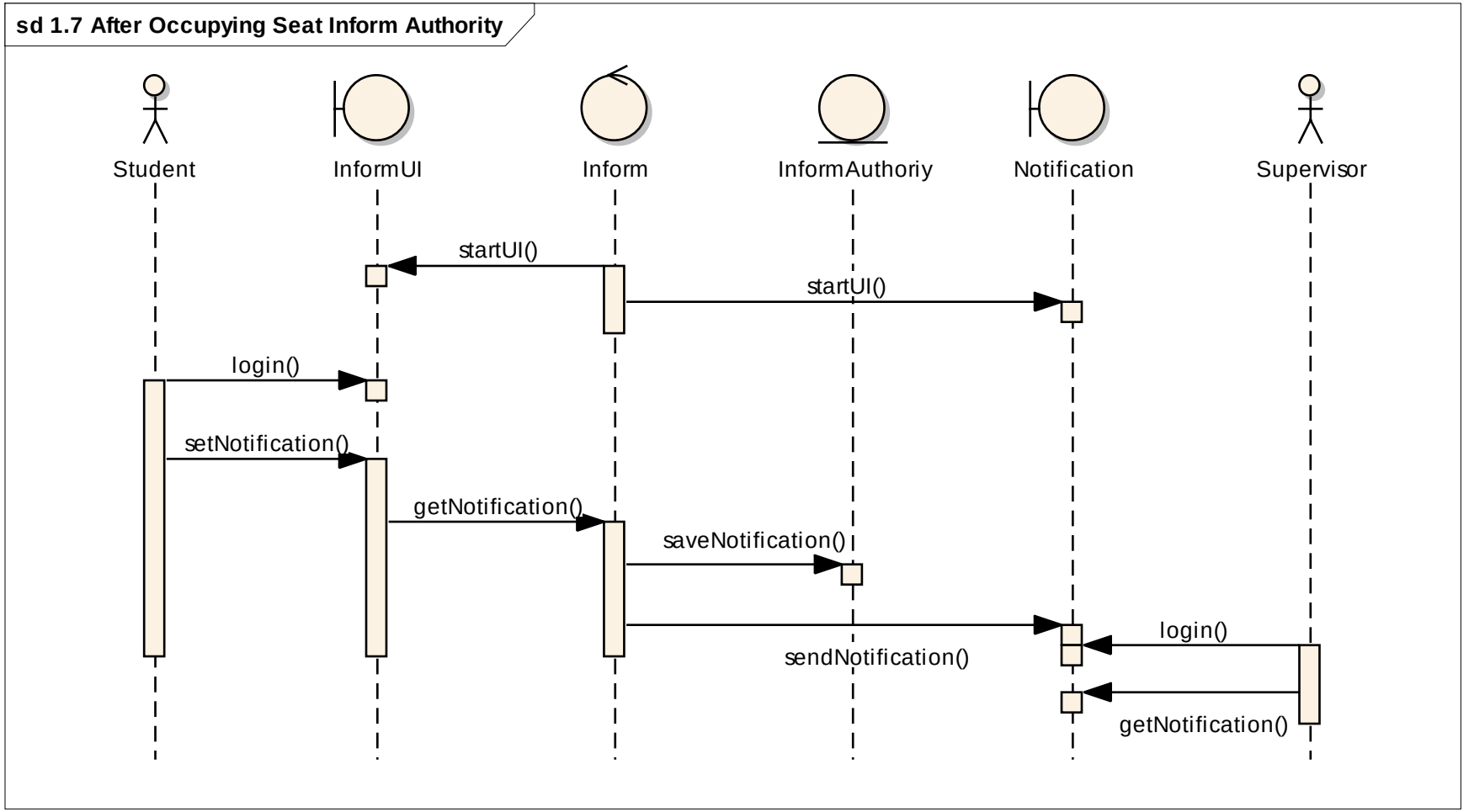


Figure : Sequence Diagram of Inform Authority

1.7 Inform Authority

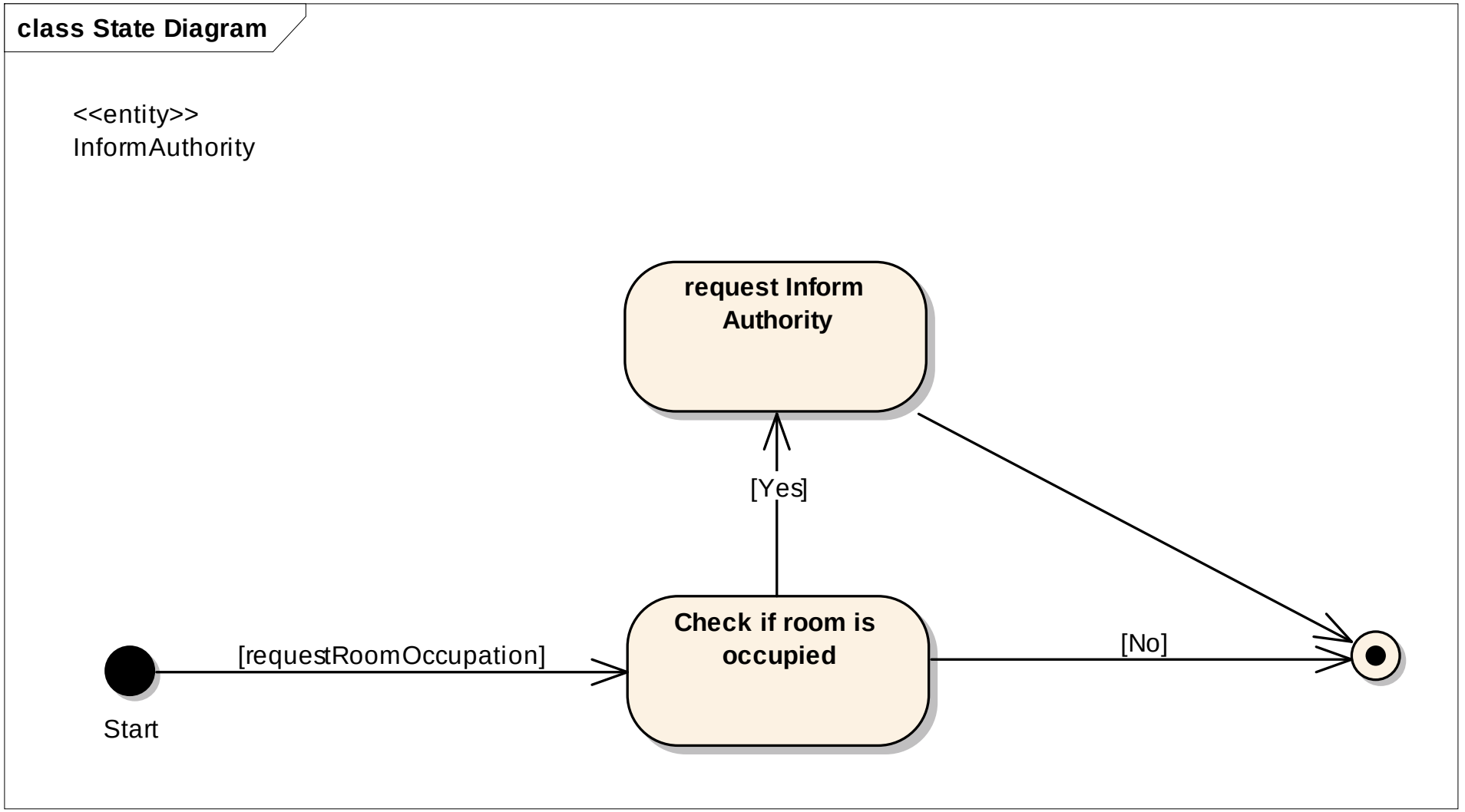


Fig 1.7 : State-chart Diagram

2. Hall Mess Management System

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:

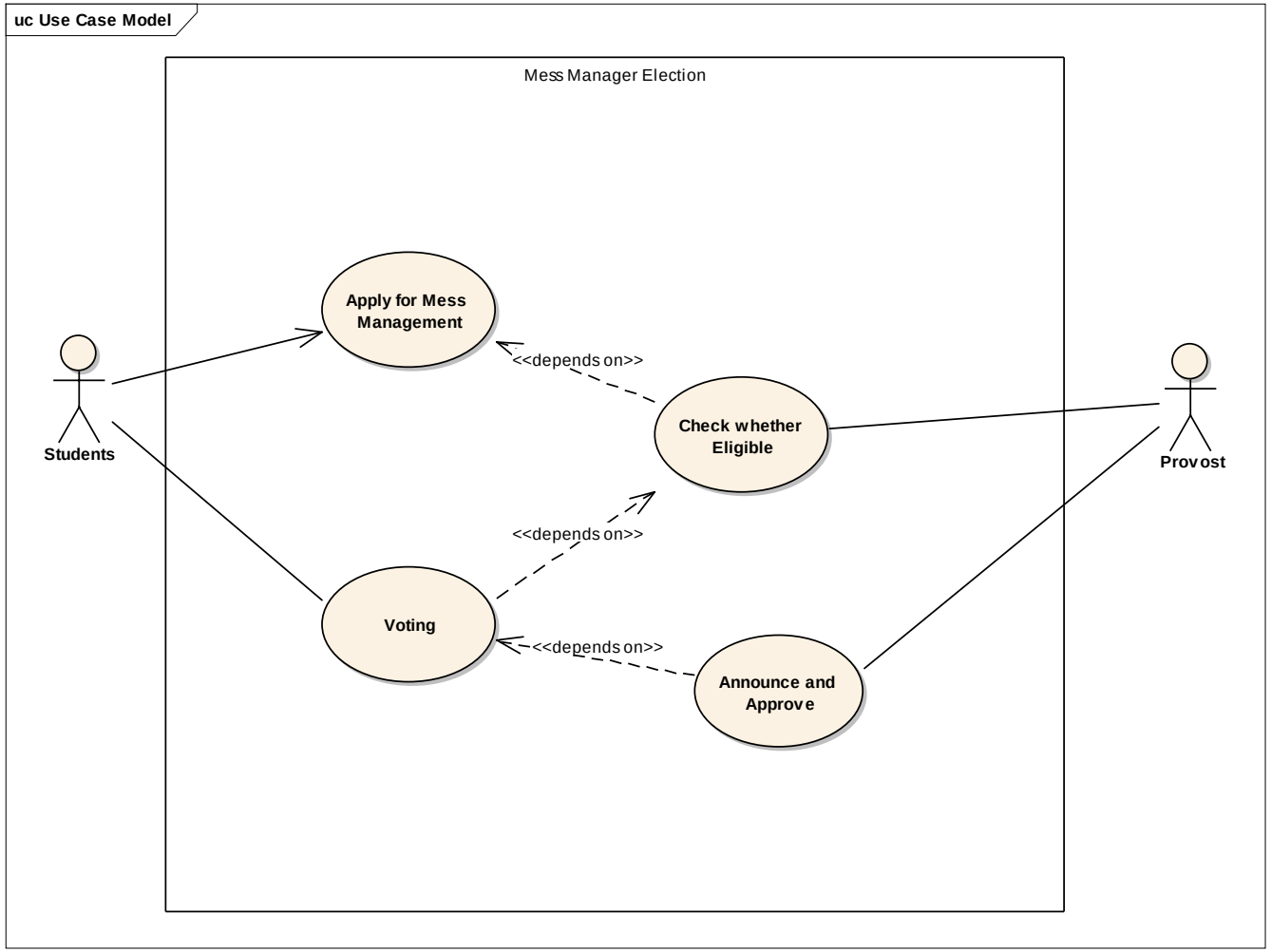


Figure 2.1.Use Case Diagram of Mess Manager Election

2.1.1 Apply For Mess Manager

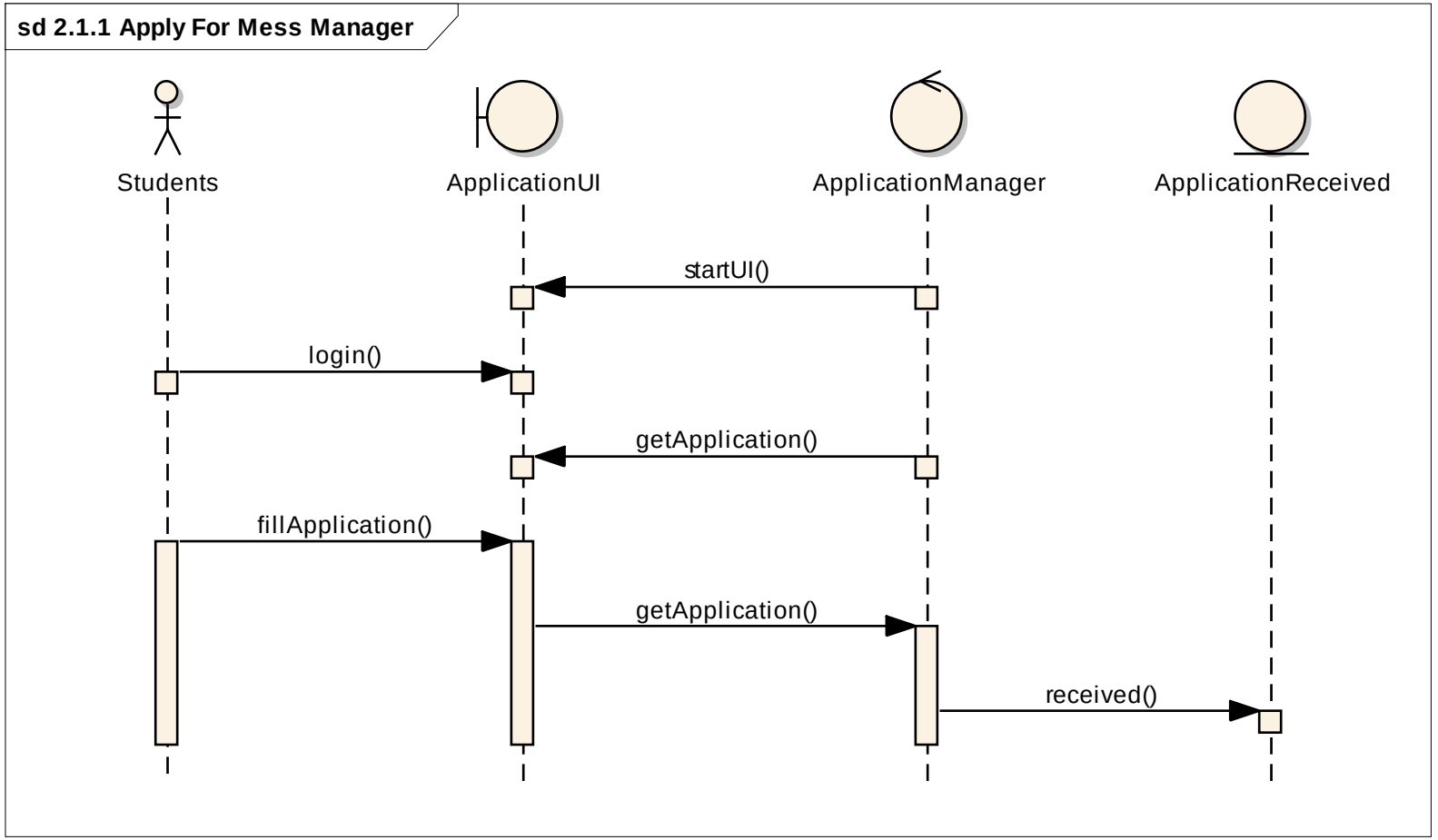


Figure : Sequence Diagram of Applying For Mess Manager

2.1.1 Apply For Mess Management

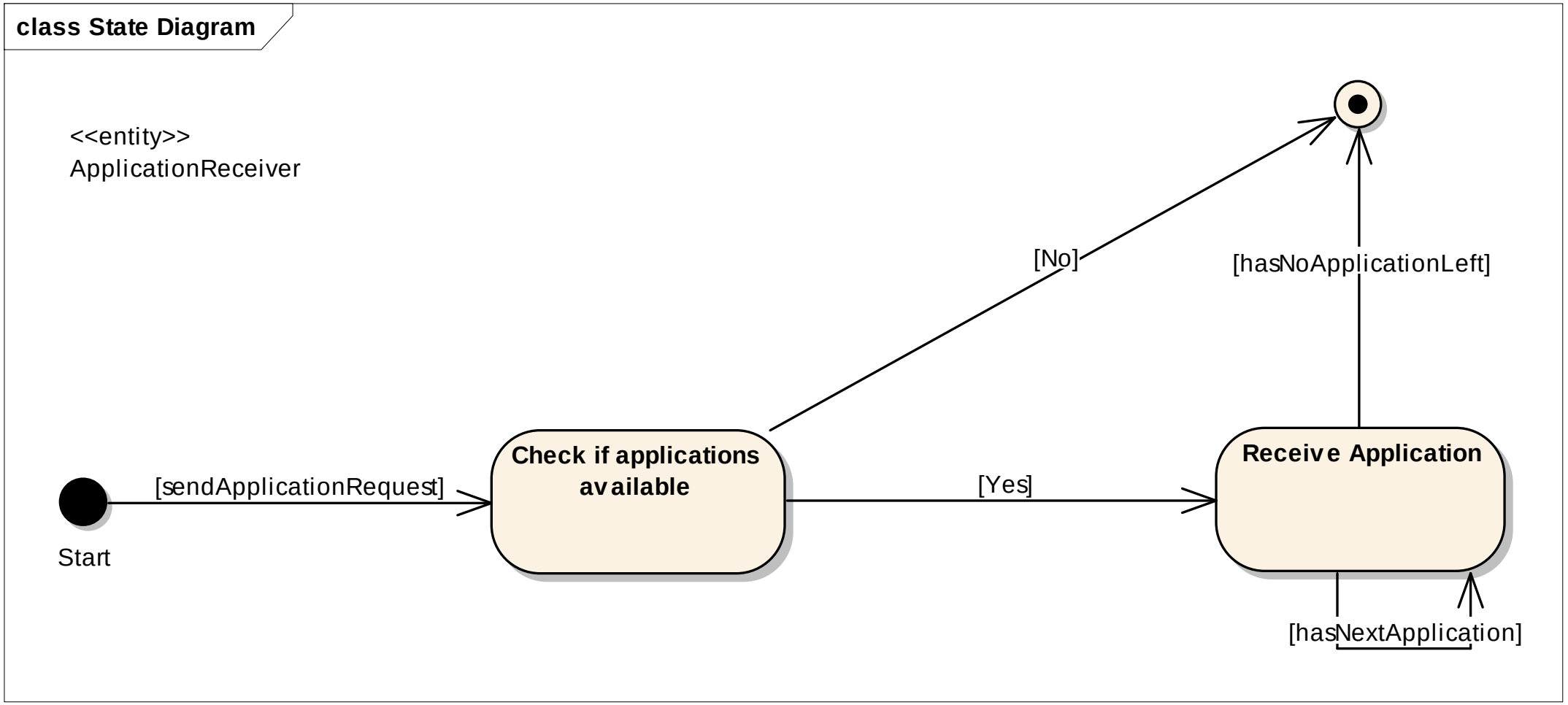


Fig 2.1.1 : State-chart Diagram

2.1.2 Check Whether Eligible

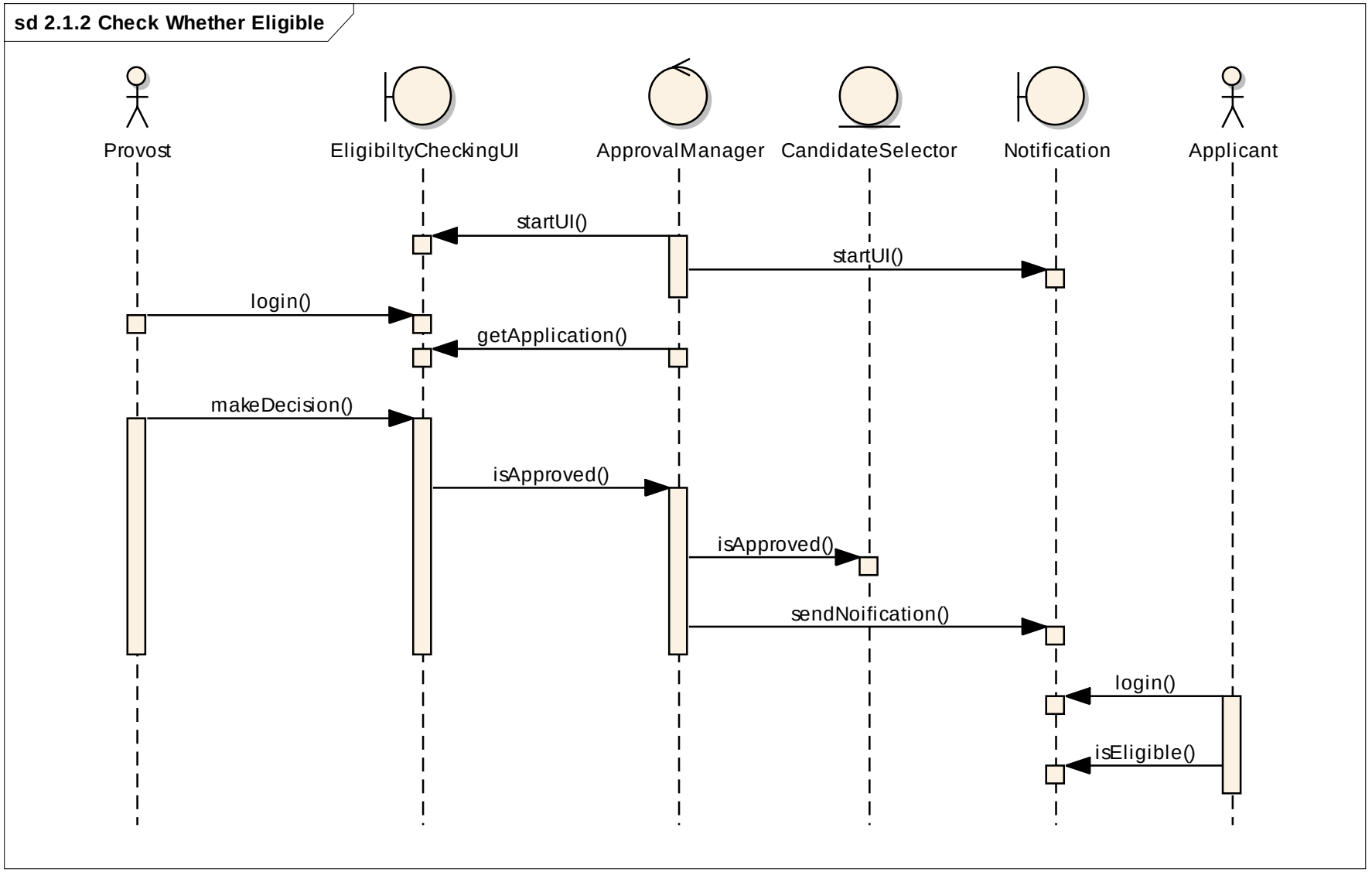


Figure : Sequence Diagram of Applicants' Eligibility

2.1.2 Check if Eligible

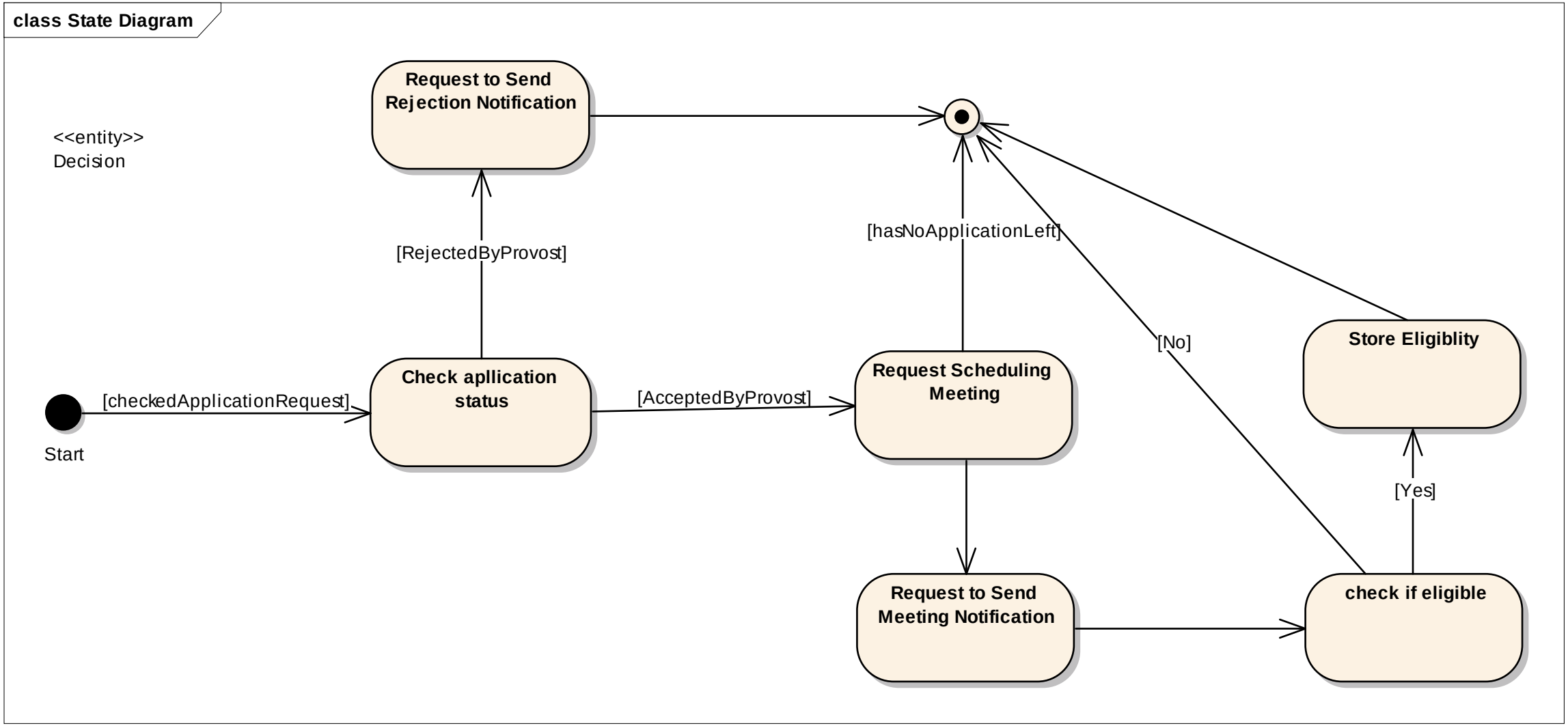


Fig 2.1.2 : State-chart Diagram

2.1.3 Voting

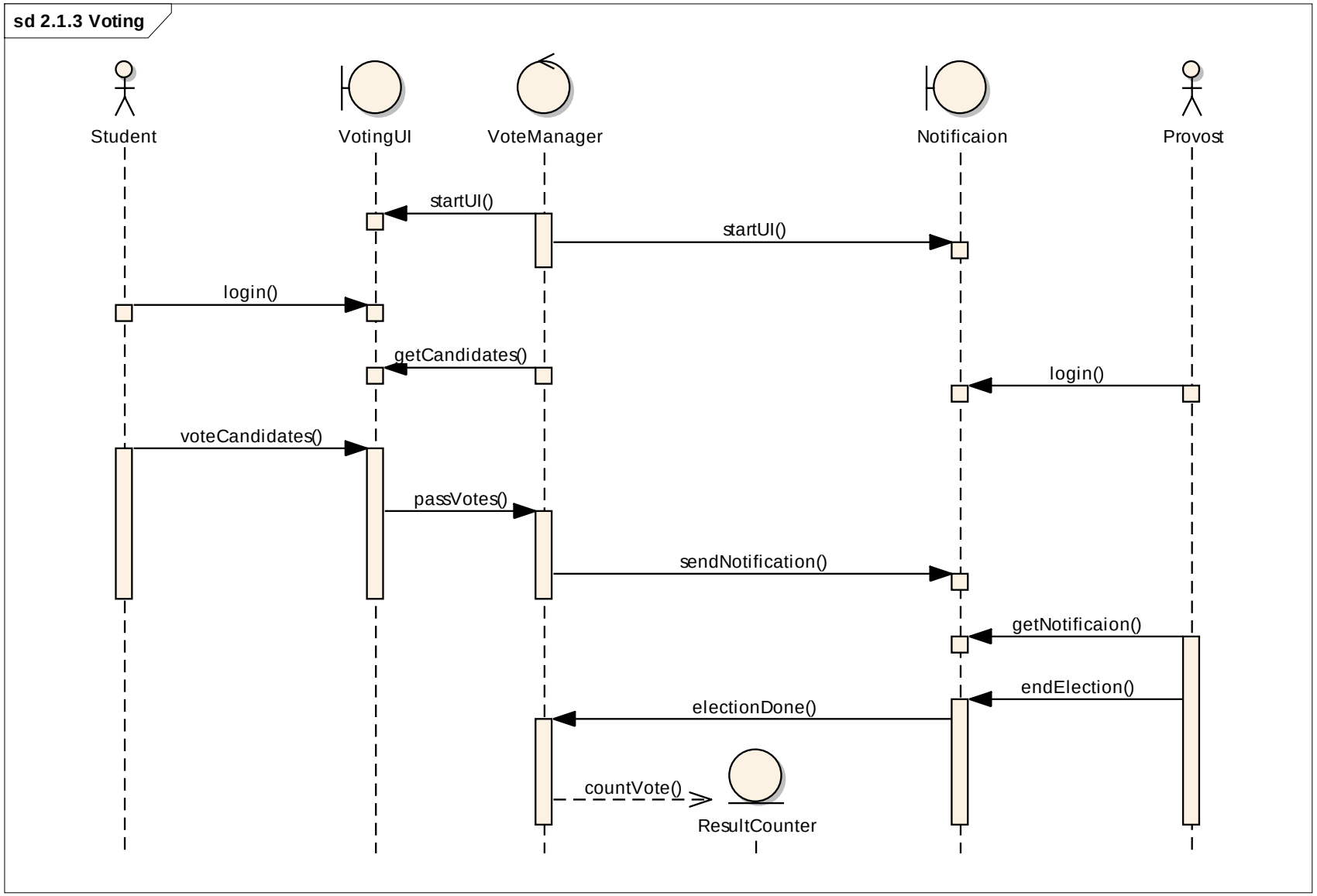


Figure : Sequence Diagram of Voting

2.1.3 Voting

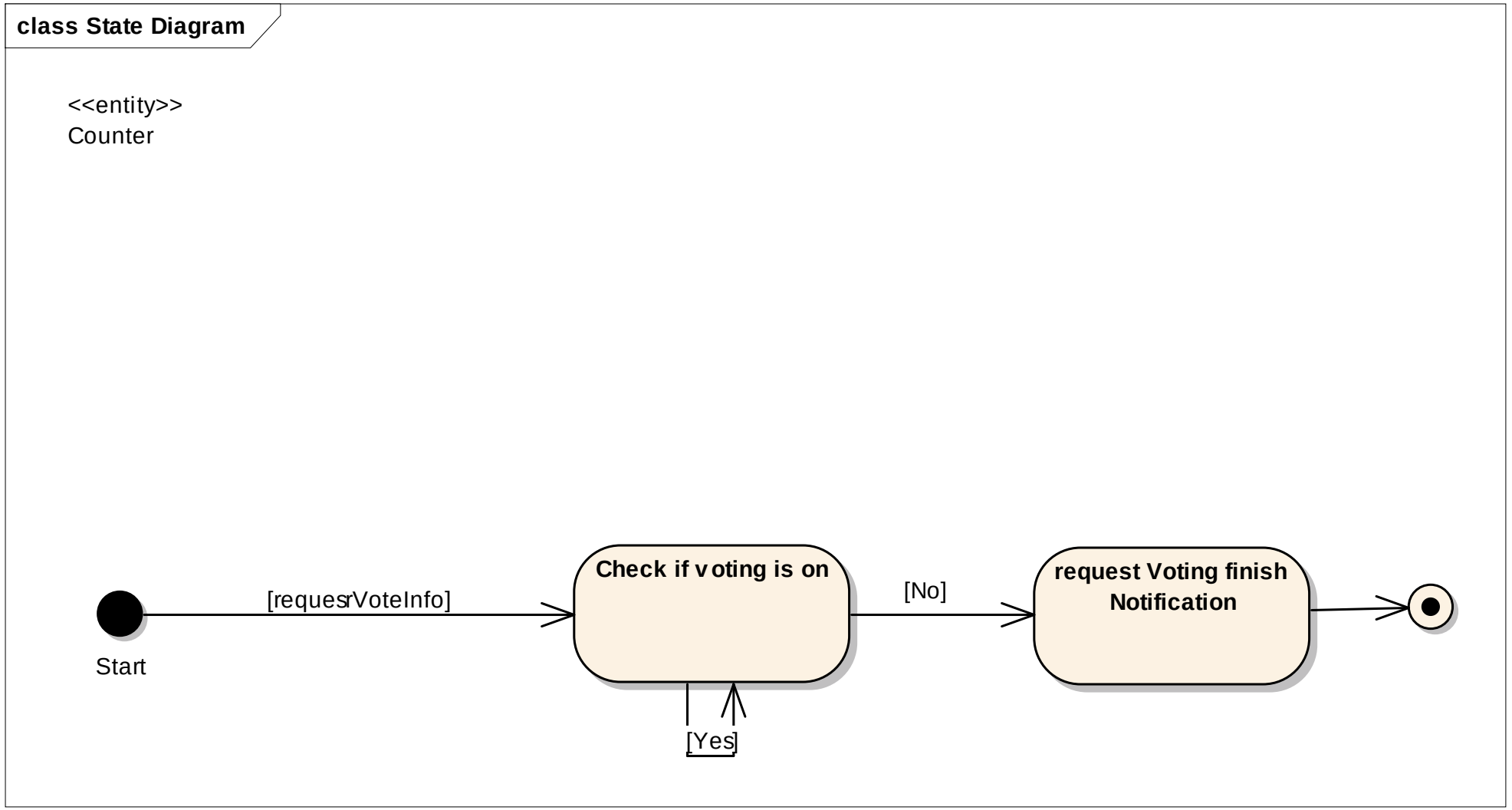


Fig 2.1.3 : State-chart Diagram

2.1.4 Approve and Announce

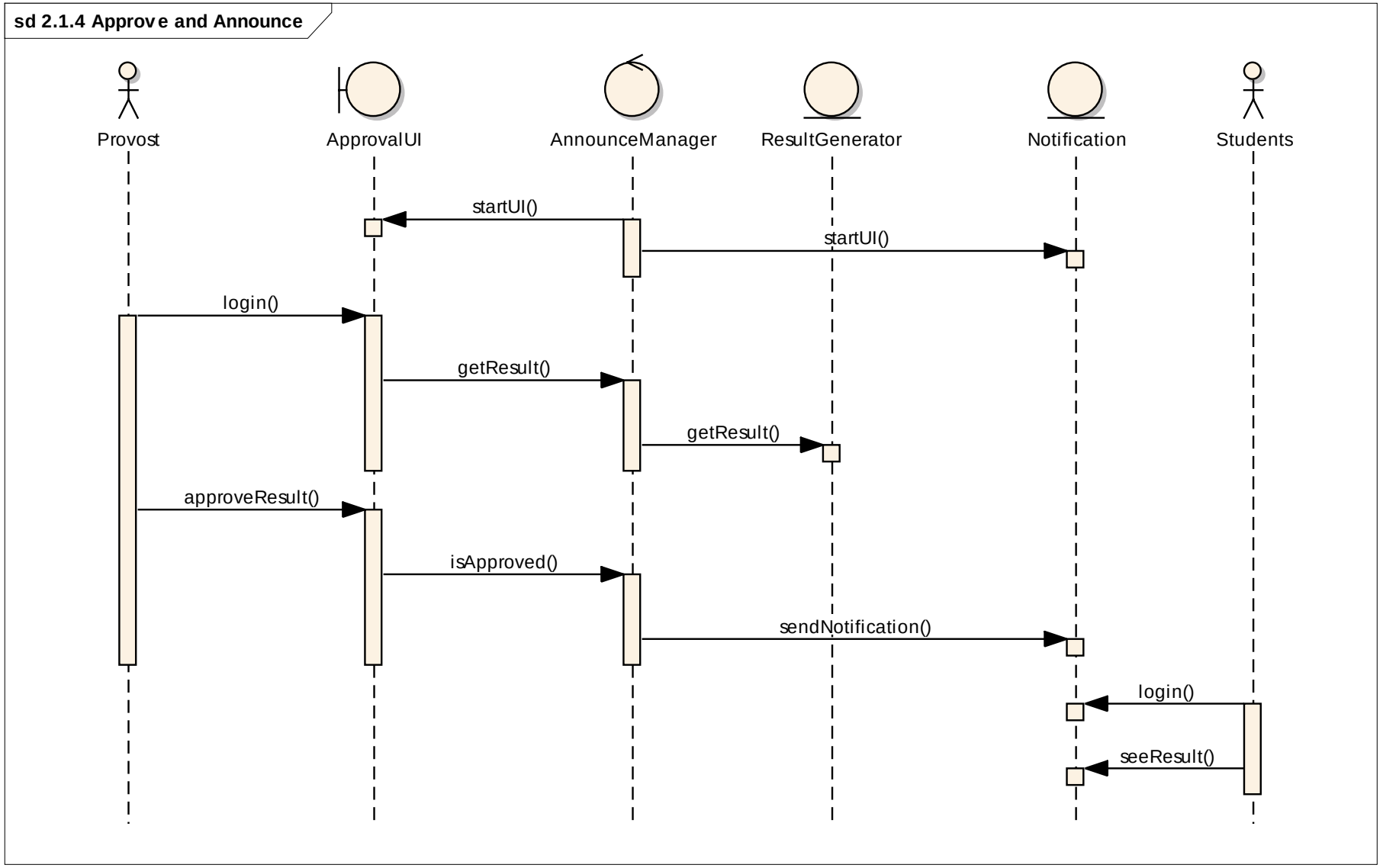


Figure : Sequence Diagram of Approving and Announcement

2.1.4 Approve and Announce

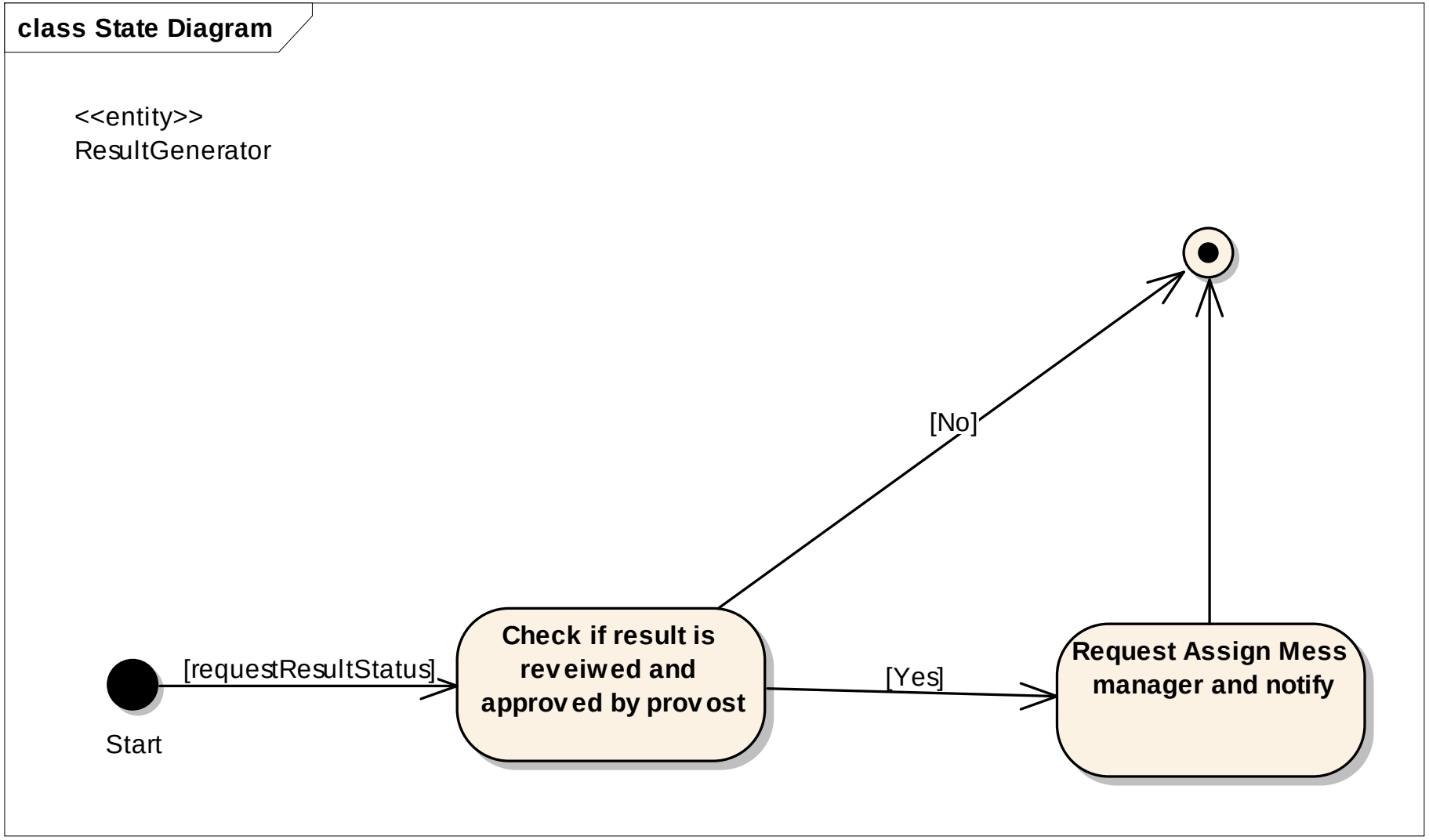


Fig 2.1.4 : State-chart Diagram

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:

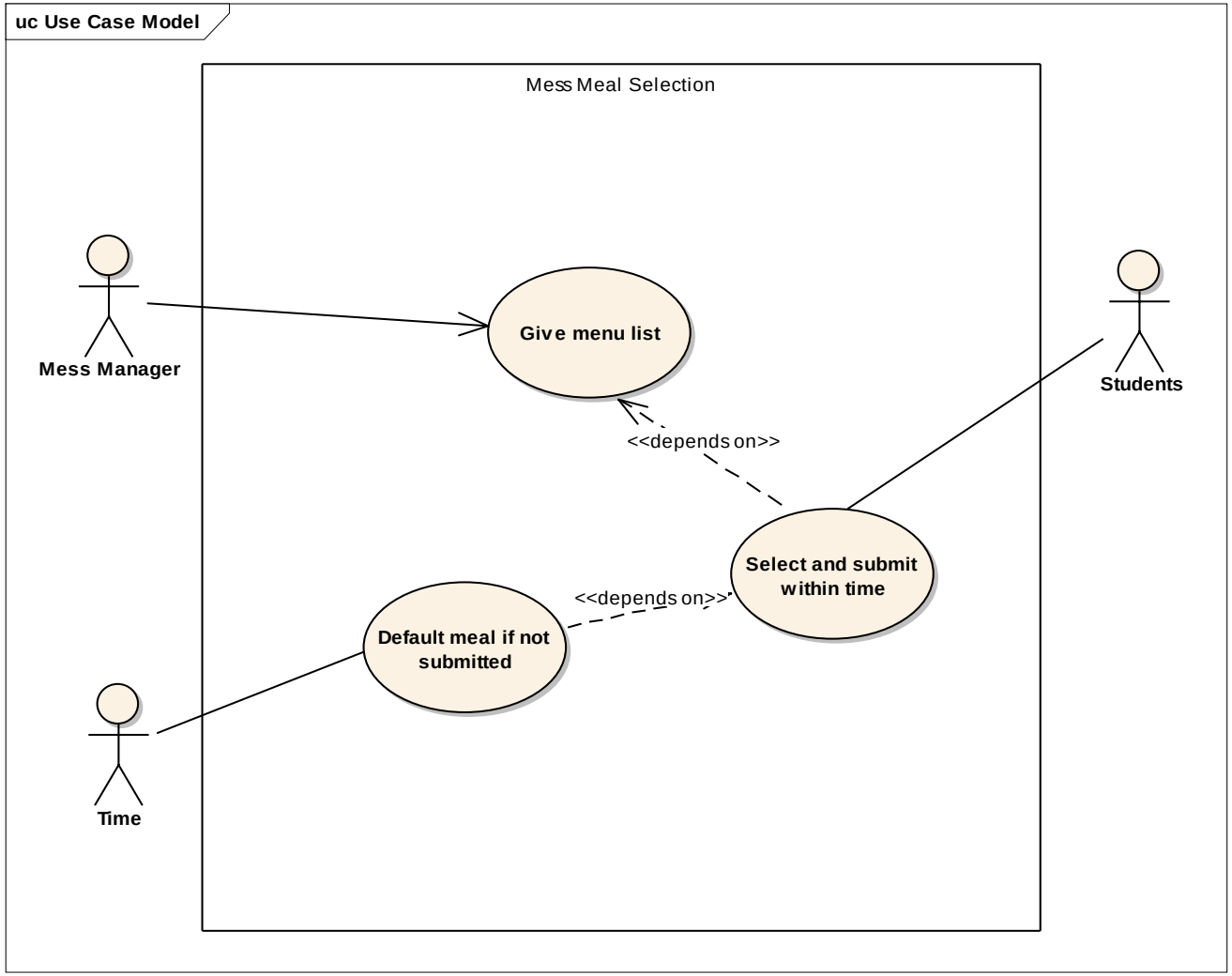


Figure 2.2: Use case diagram of mess meal selection

2.2.1 Give Menu List

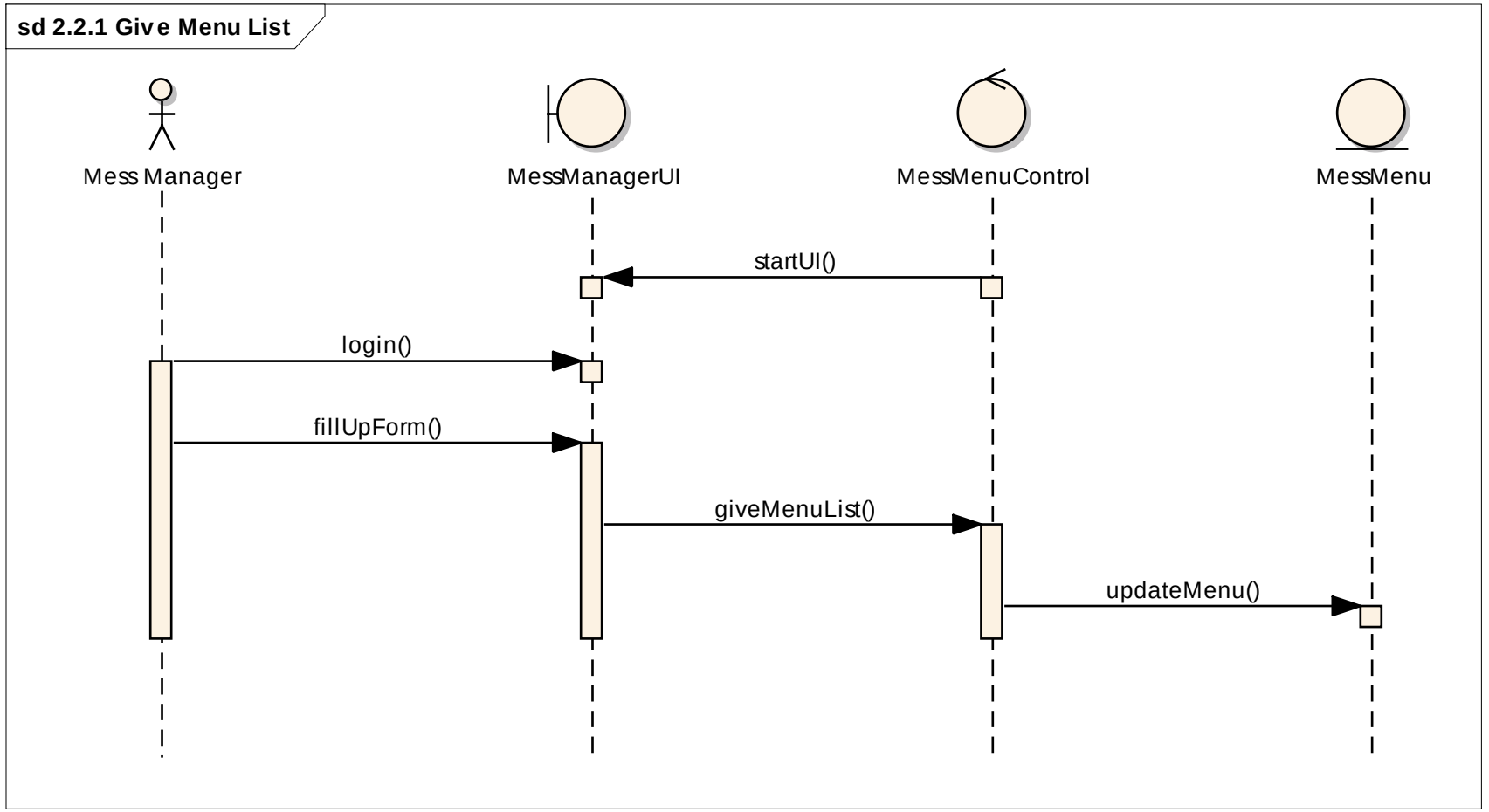


Figure : Sequence Diagram of Menu List

2.2.1 Give Menu List

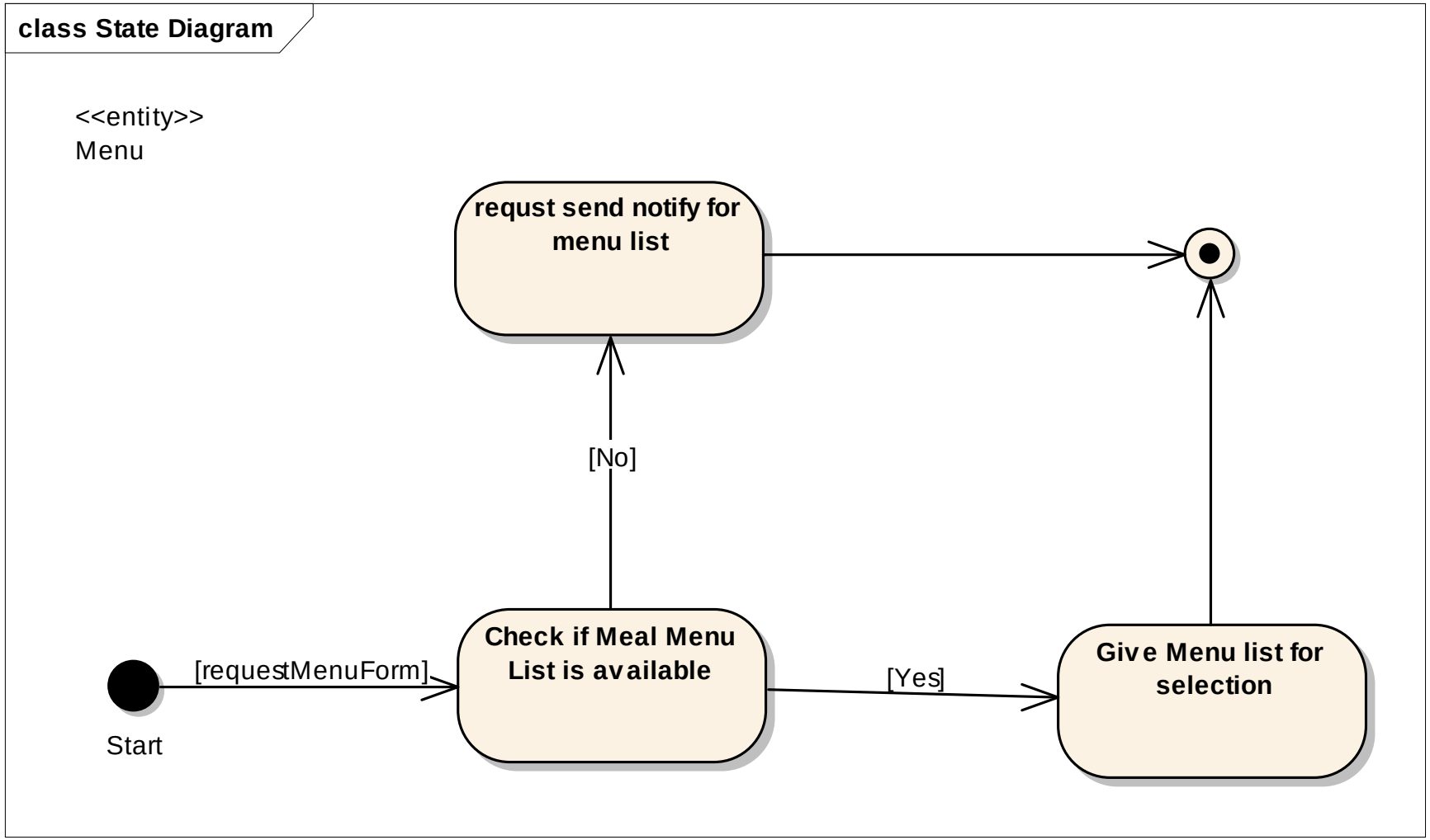


Fig 2.2.1 : State-chart Diagram

2.2.2 Select and Submit Within Time

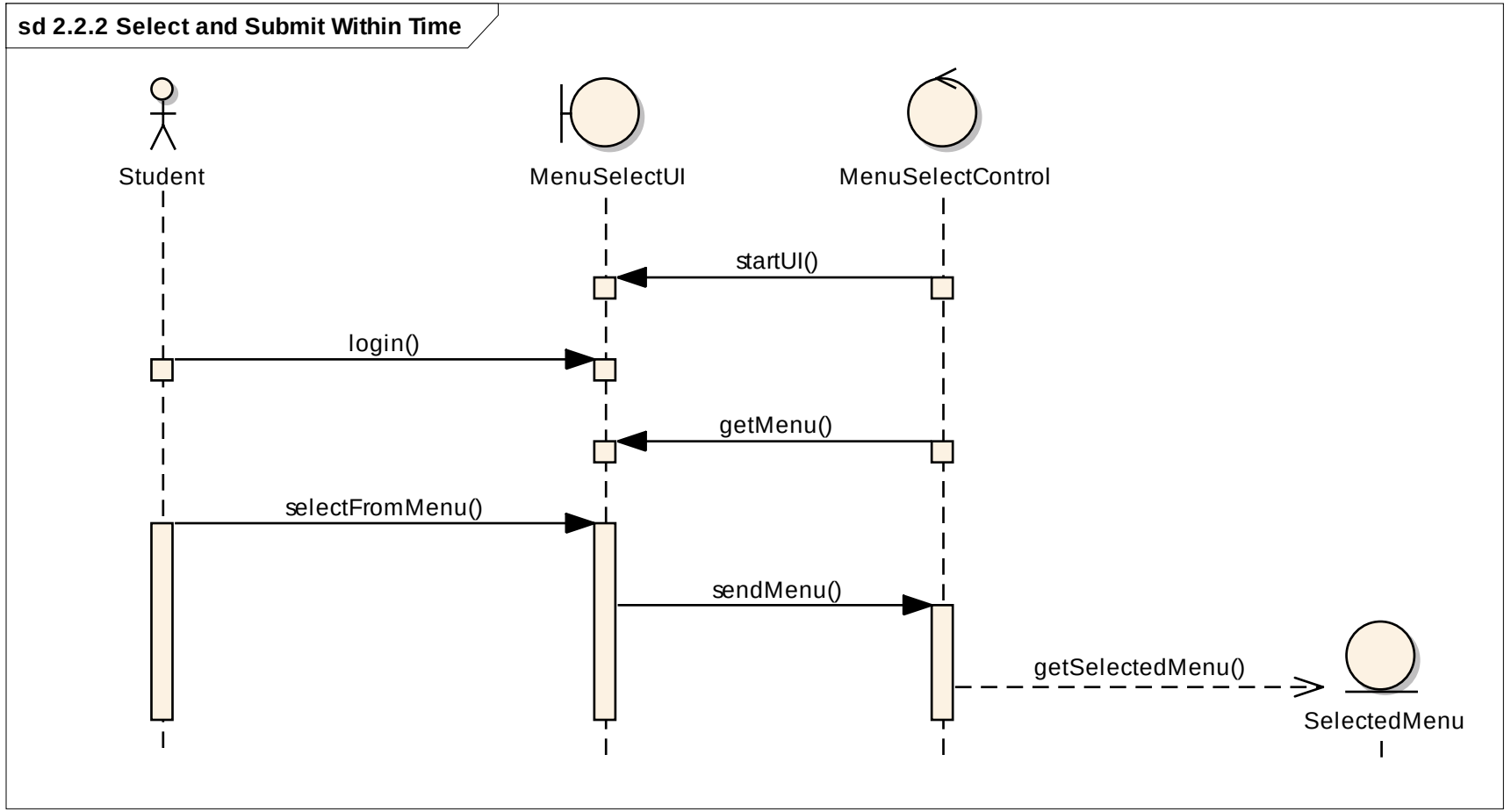


Figure : Sequence Diagram of Menu Selecting and Submitting Within Time

2.2.2 Select and Submit within time

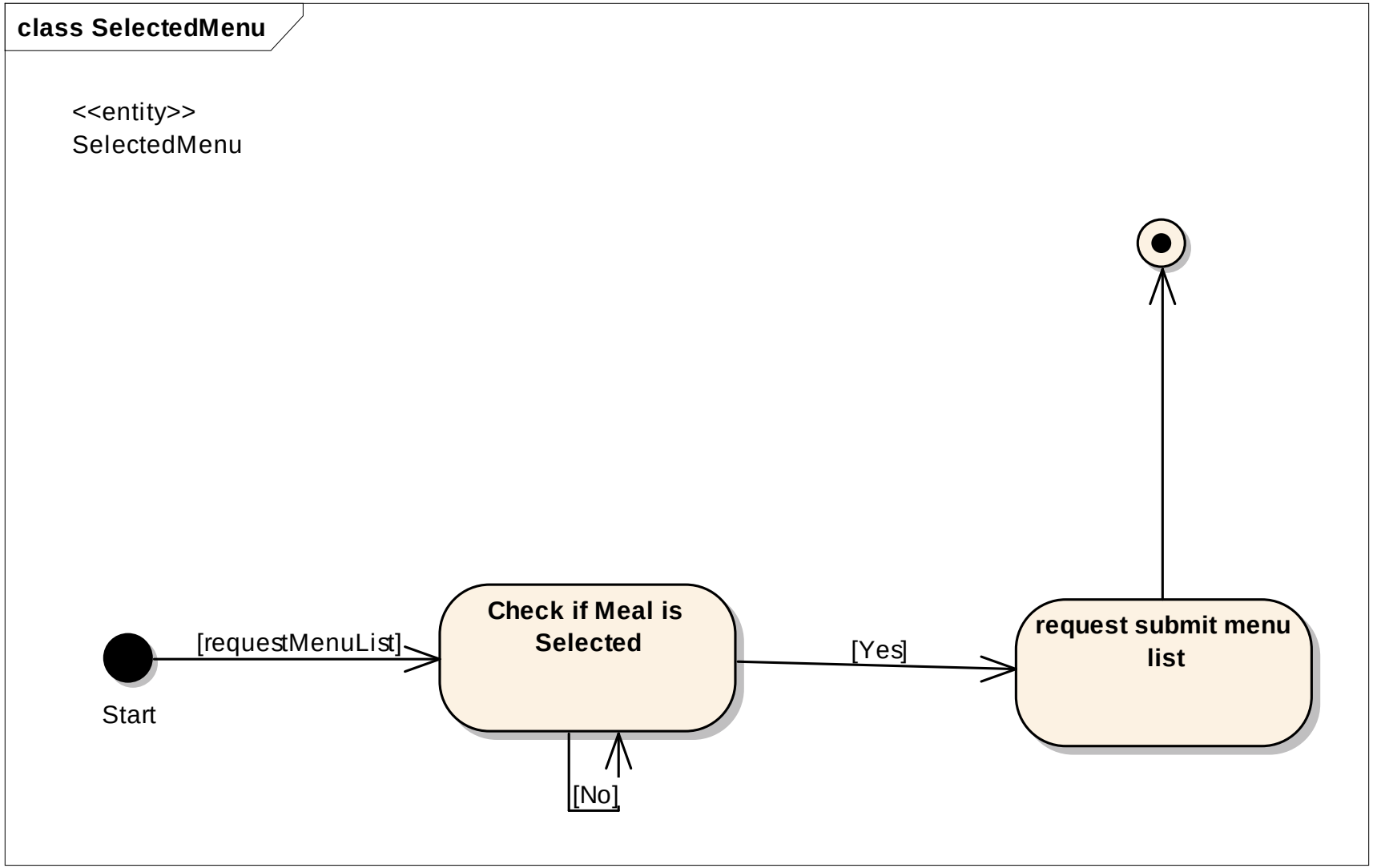


Fig 2.2.2 : State-chart Diagram

2.2.3 Default Menu if Not Submitted

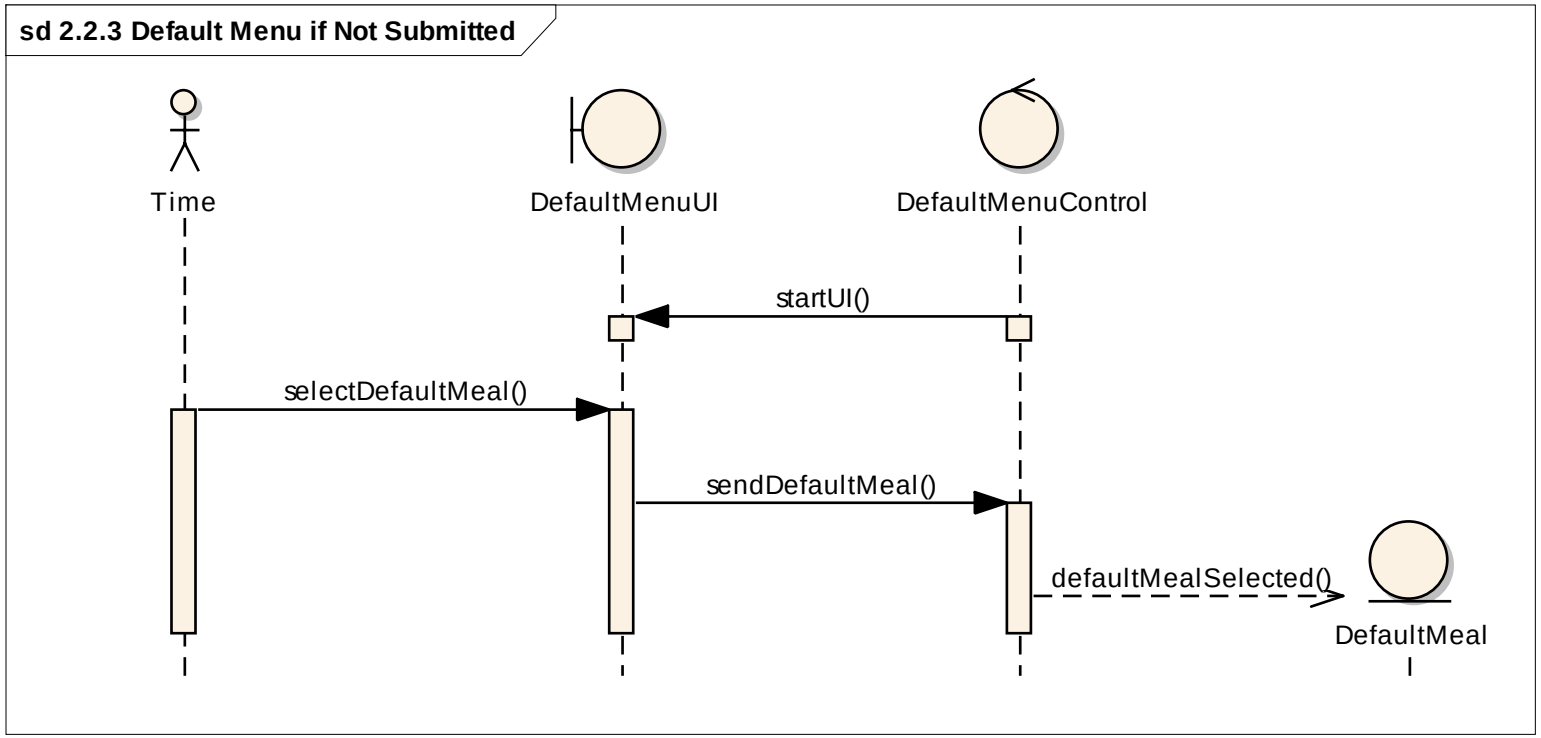


Figure : Sequence Diagram of Default Menu

2.2.3 Default Meal if not Selected

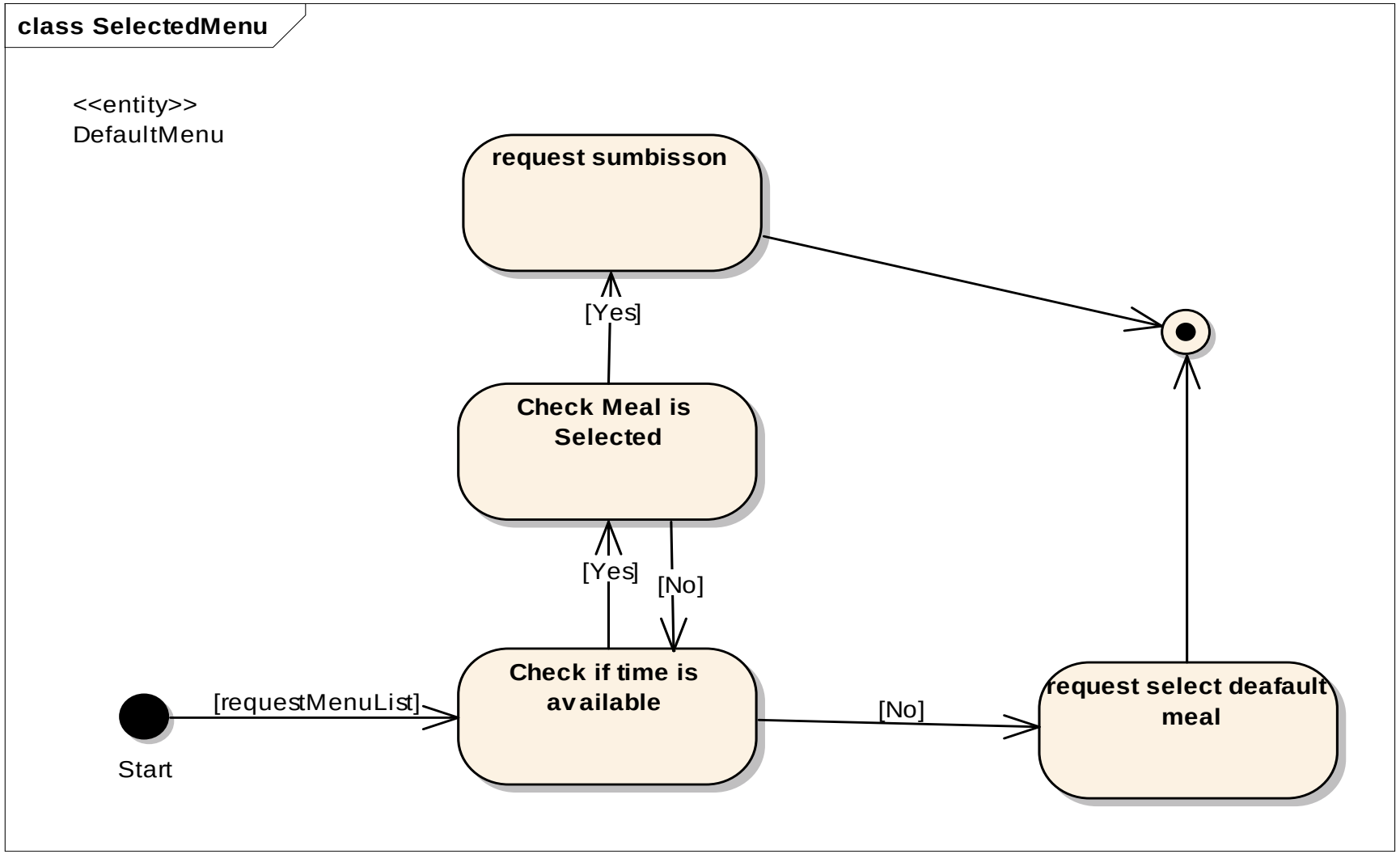


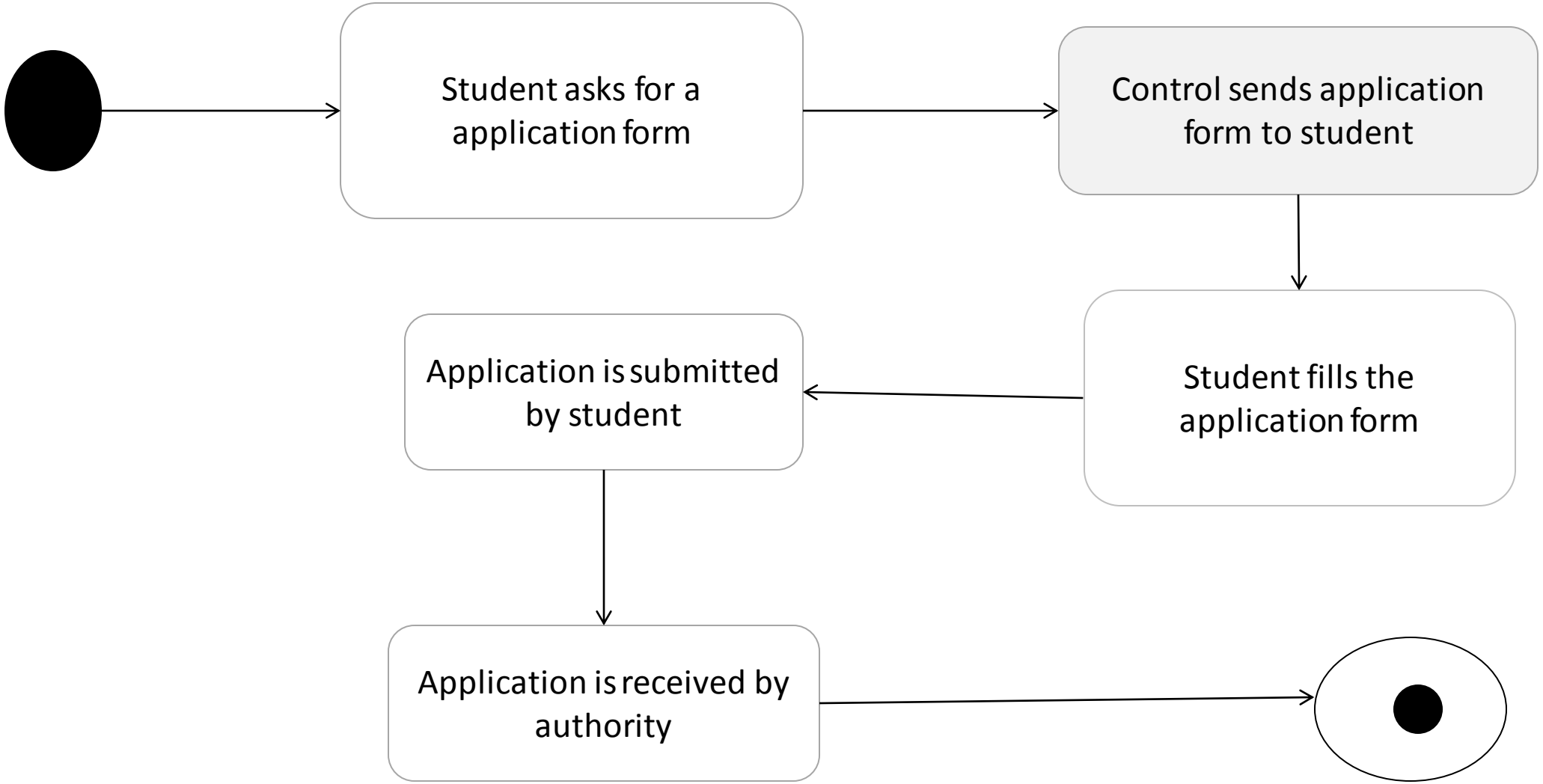
Fig 2.2.3 : State-chart Diagram

Activity Diagram

1. Computerised Hall Seat Allocation

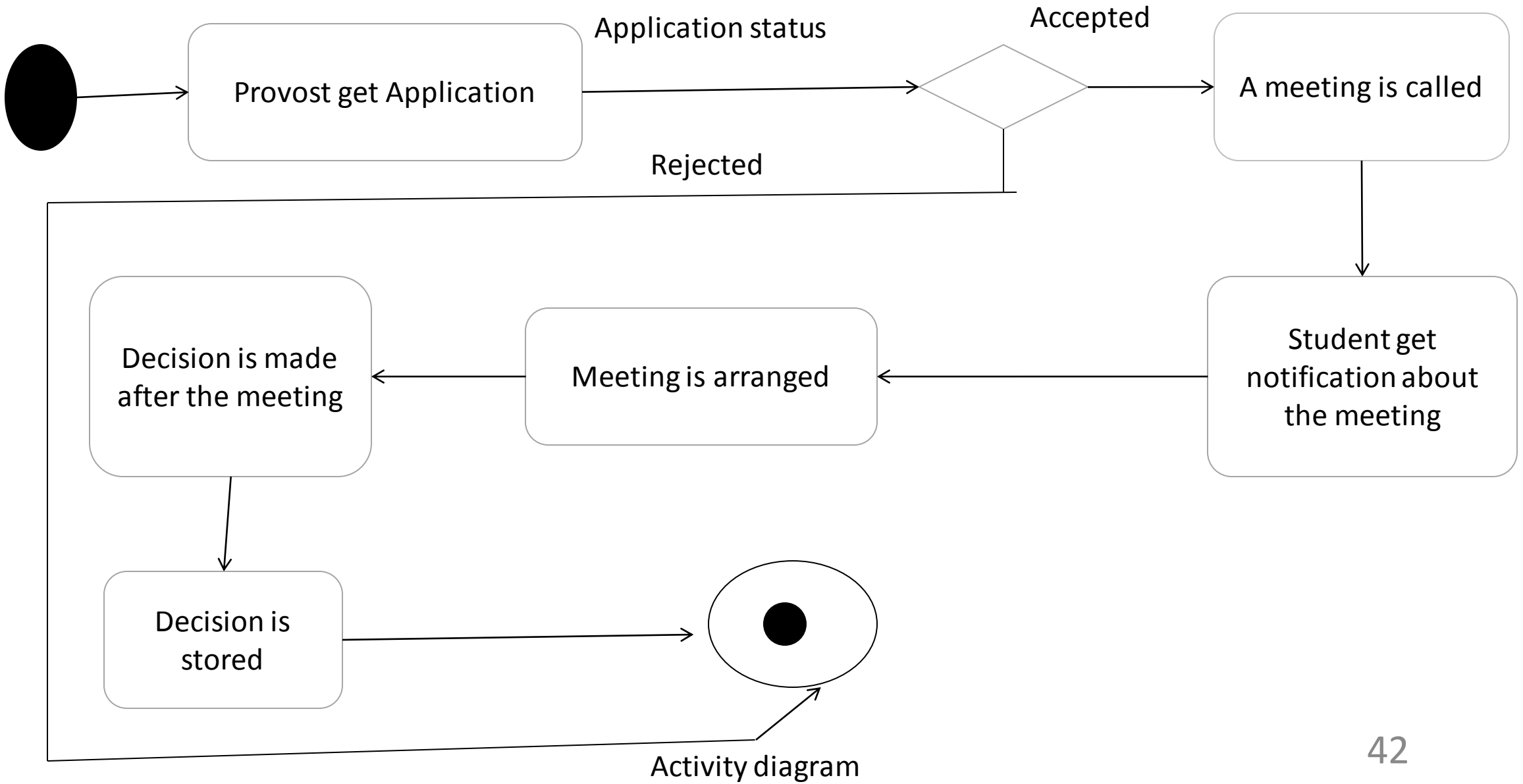
1.1 Apply For Seat
1.2 Eligibility Checking
1.3 Approval
1.4 Check for Empty Room
1.5 Seat Allocation
1.6 Inform Student
1.7 After Occupying Seat Inform Authority

1.1 Apply For Seat

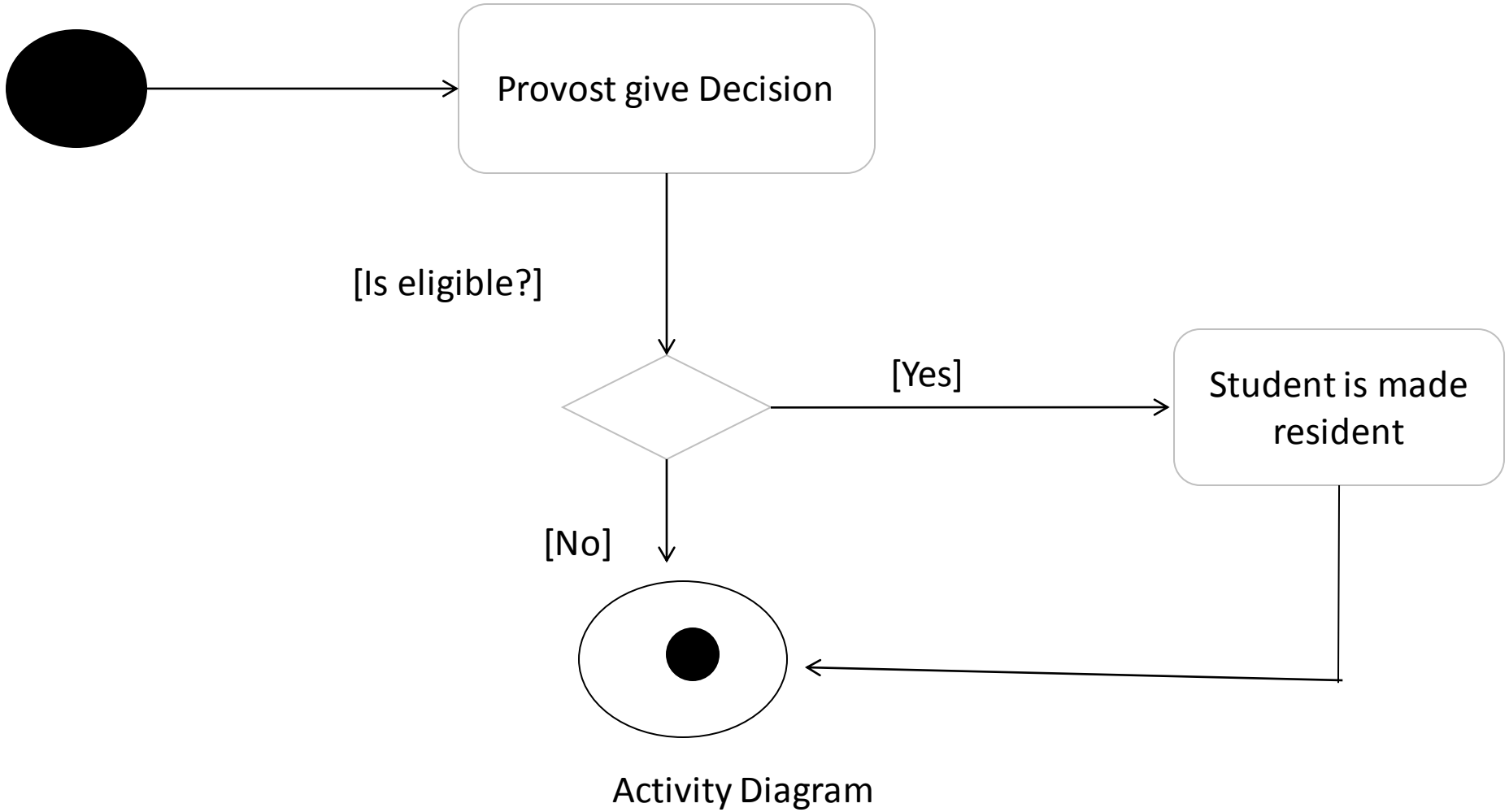


Activity diagram

1.2 Eligibility Checking

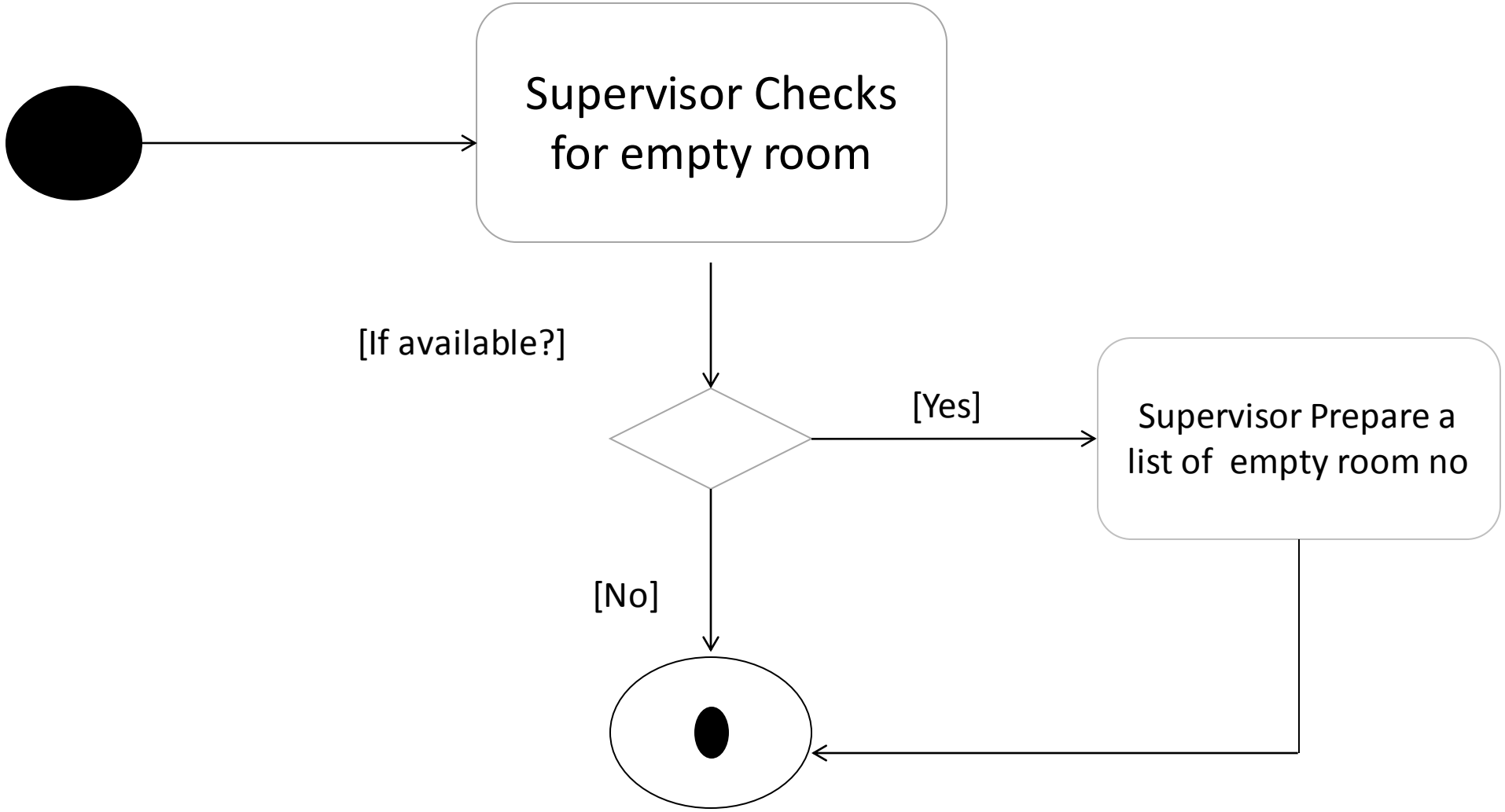


1.3 Approval



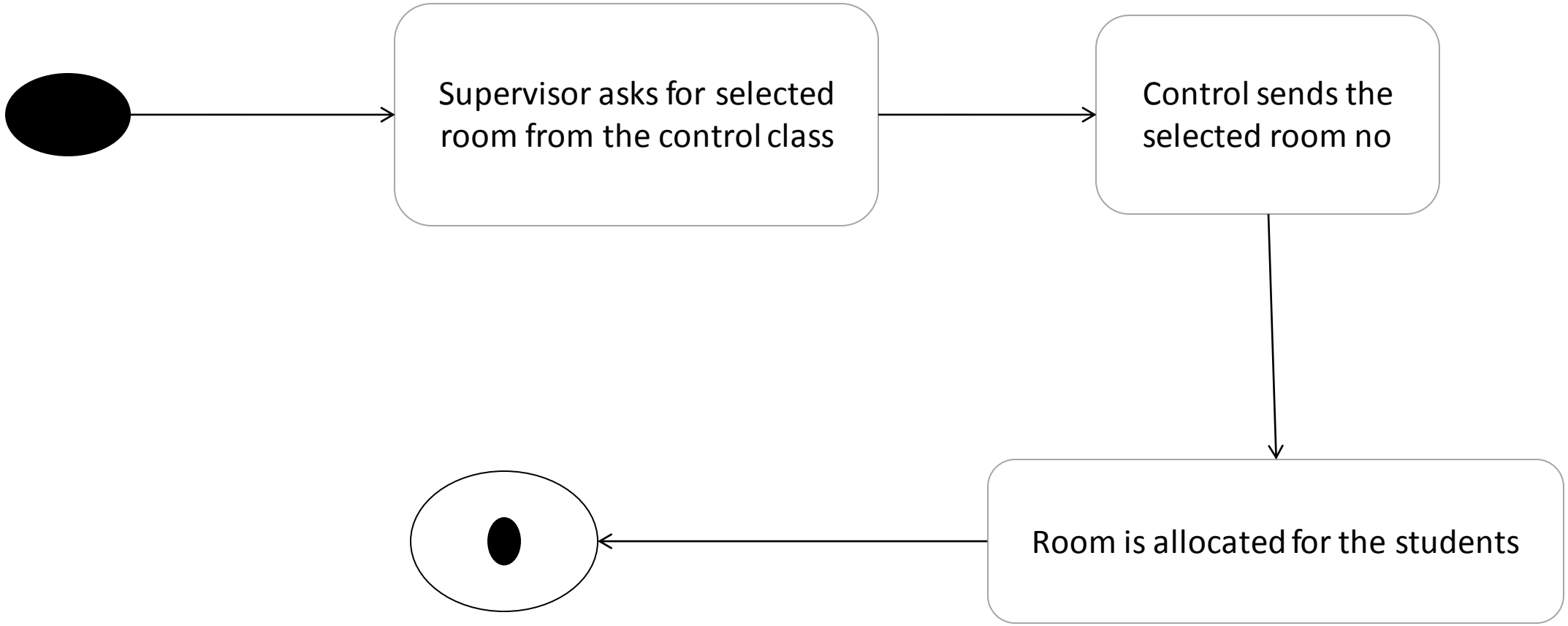
Activity Diagram

1.4 Check For empty Room



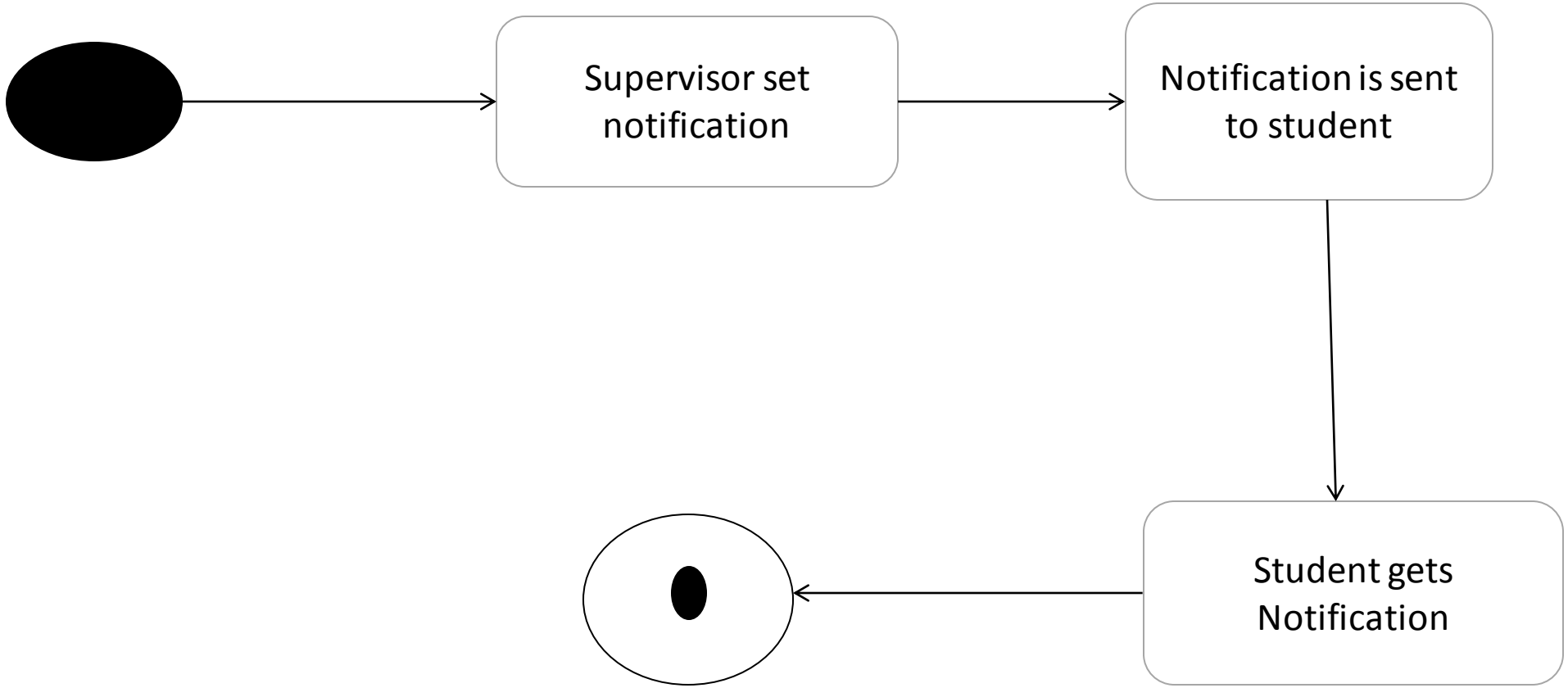
Activity Diagram

1.5 Seat Allocation



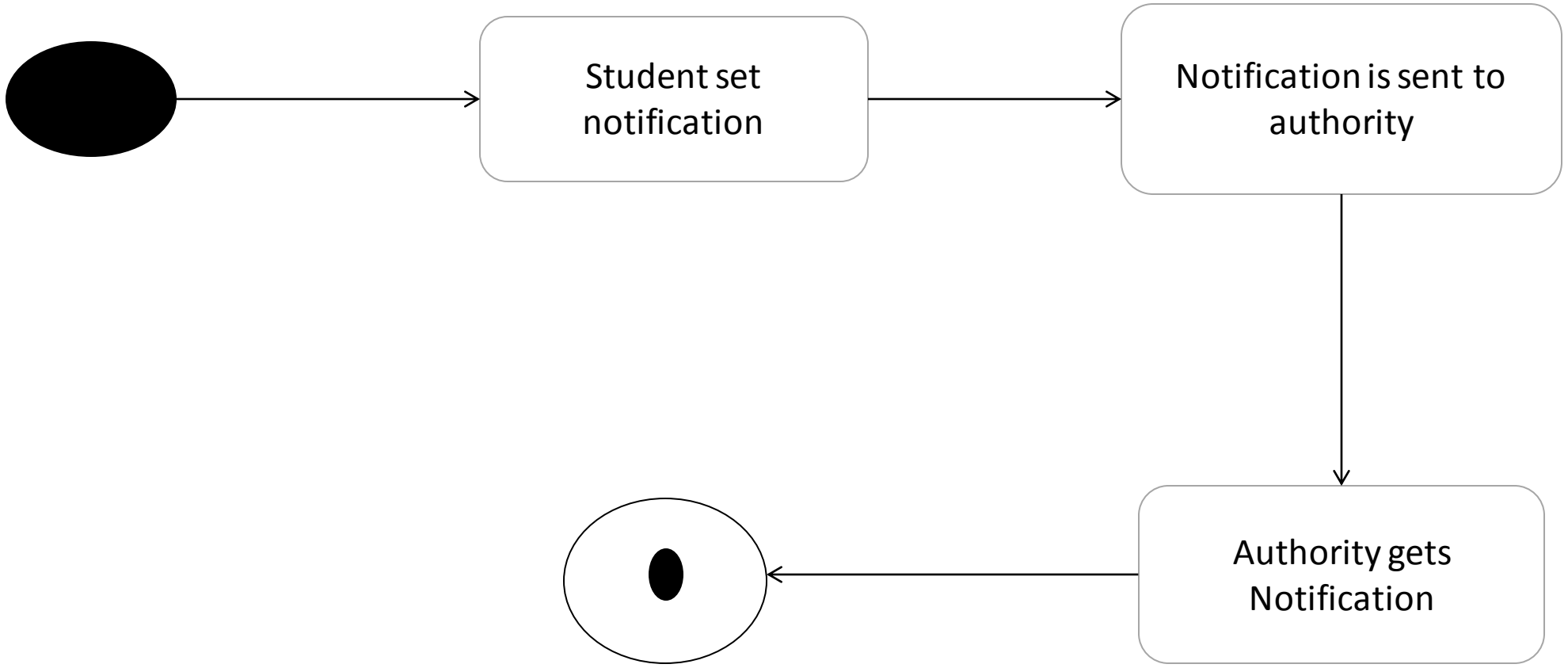
Activity Diagram

1.6 Inform student



Activity Diagram

1.7 Inform Authority



Activity Diagram

2. Hall Mess Management System

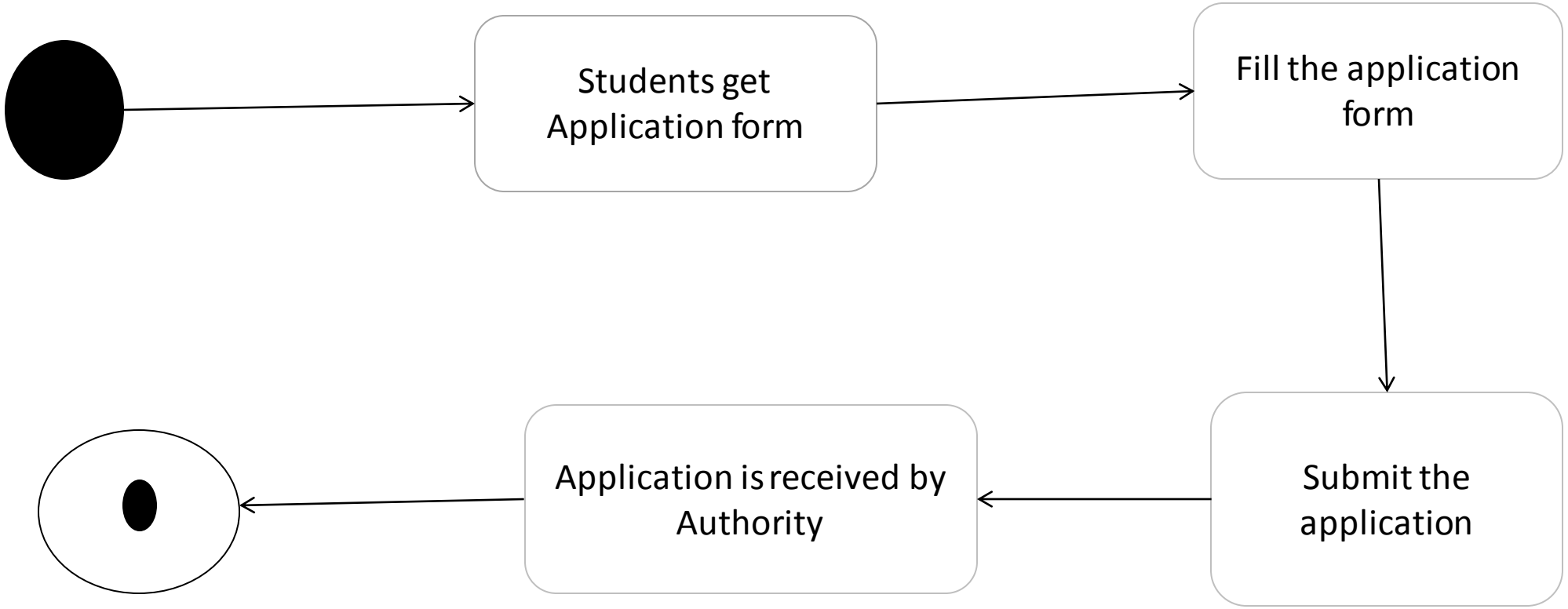
2.1 Mess Manager Election

- 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

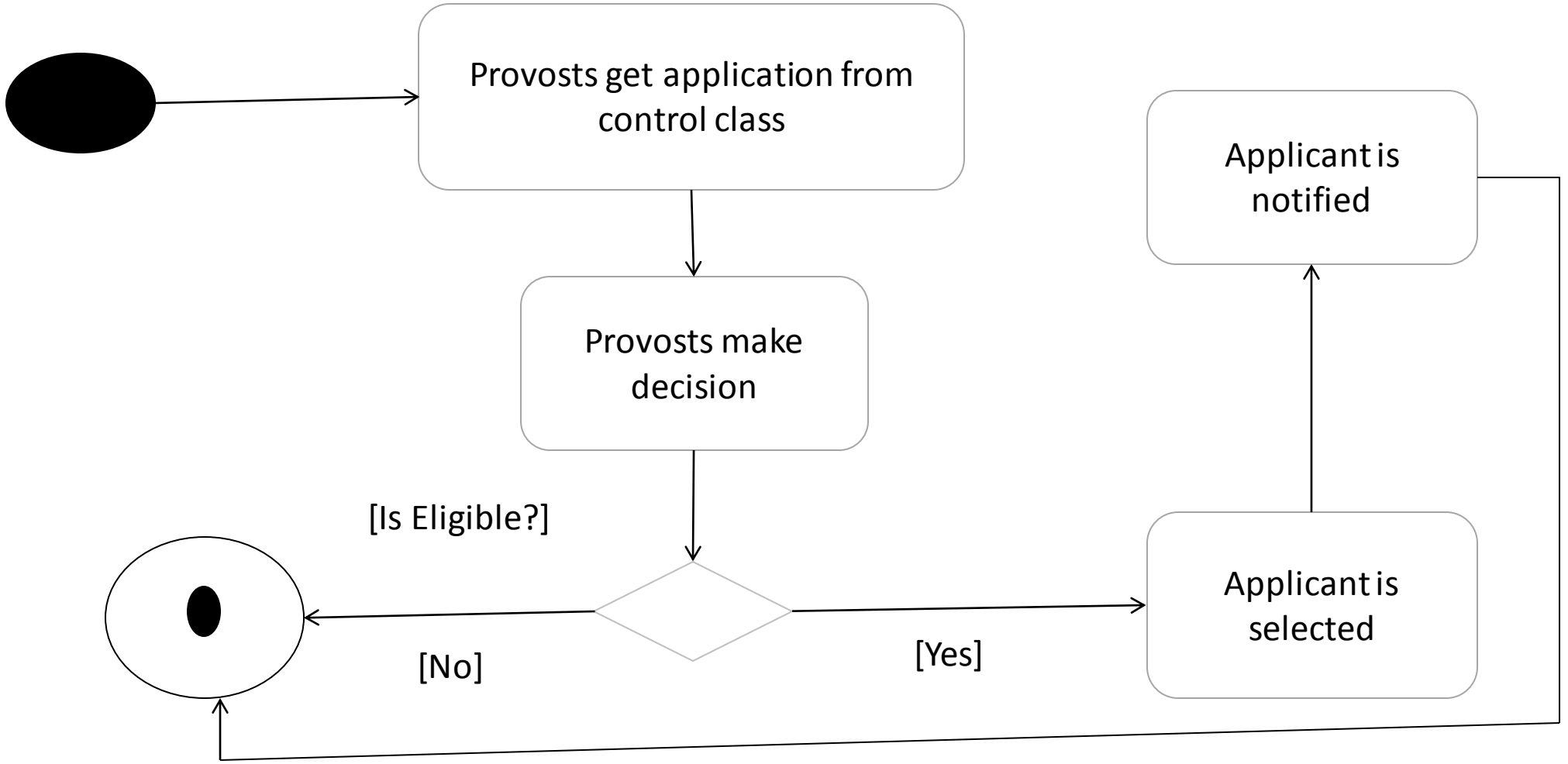
- 2.2.1 Give Menu List
- 2.2.2 Select and Submit within Time
- 2.2.3 Default Meal if not Submitted

2.1.1 Apply for mess management



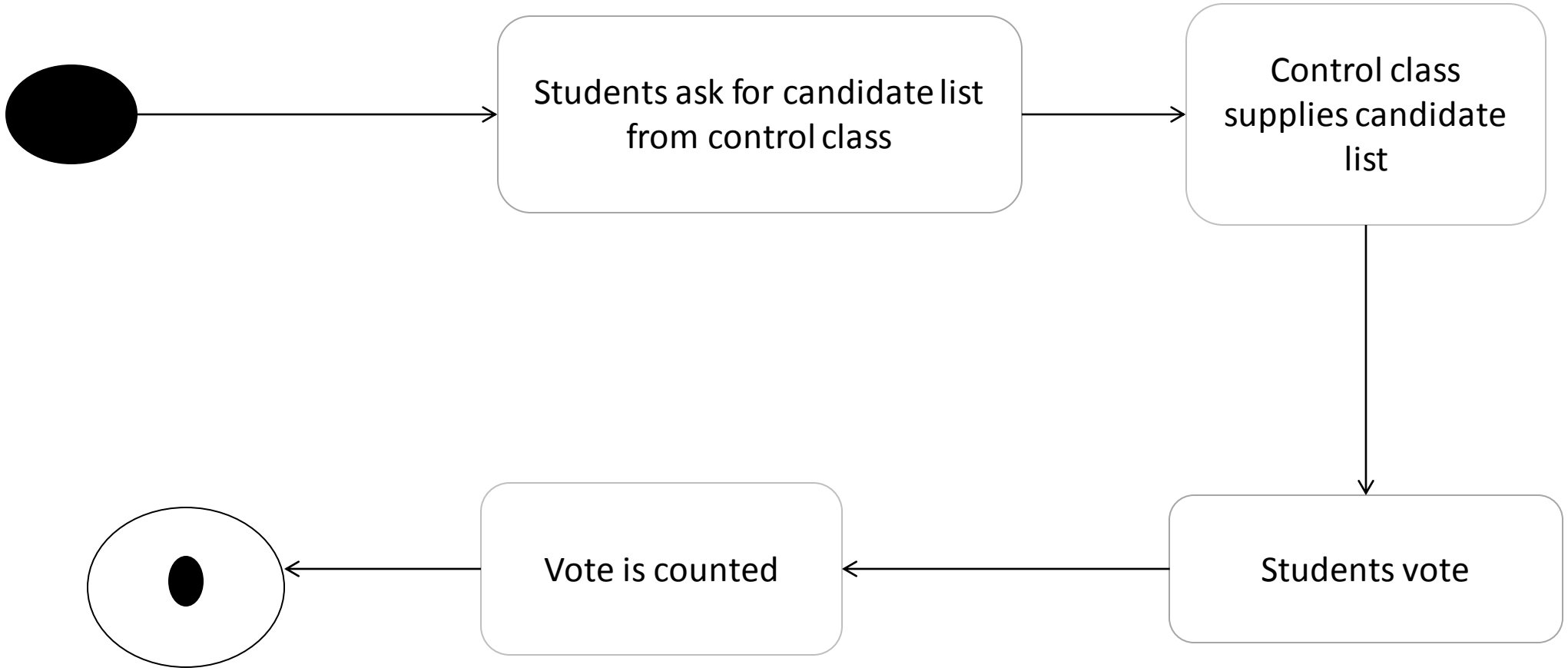
Activity Diagram

2.1.2 Check whether eligible



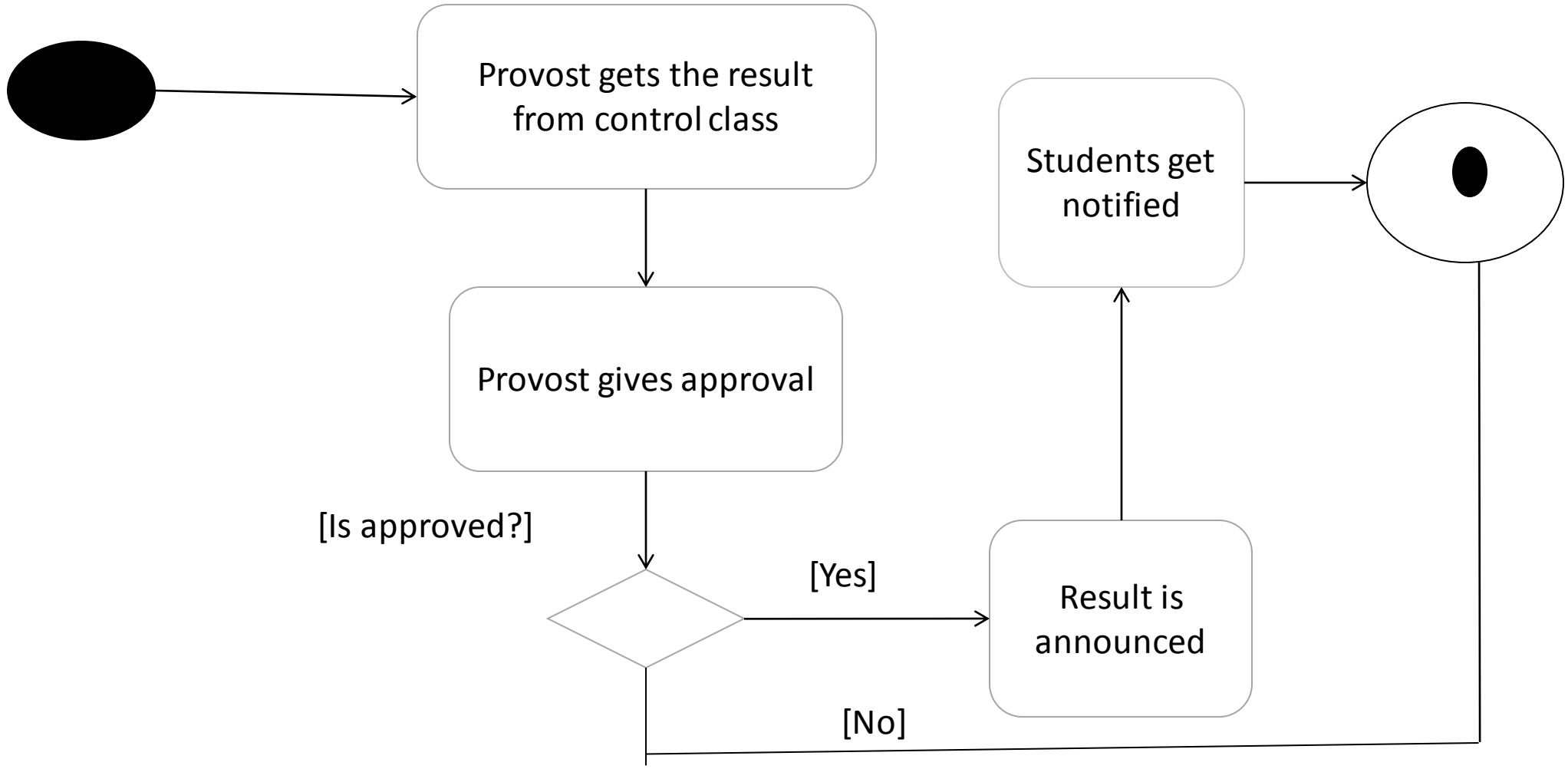
Activity Diagram

2.1.3 Voting



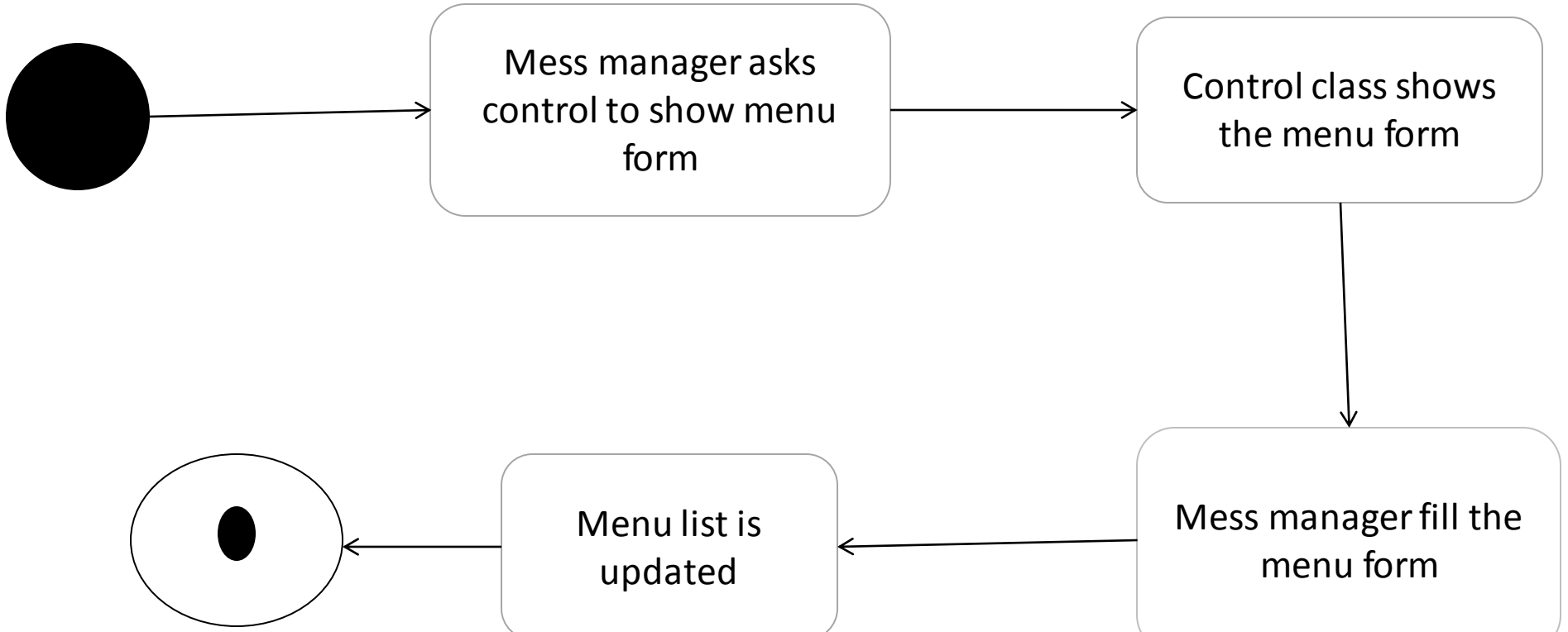
Activity diagram

2.2.4 Approve and Announce



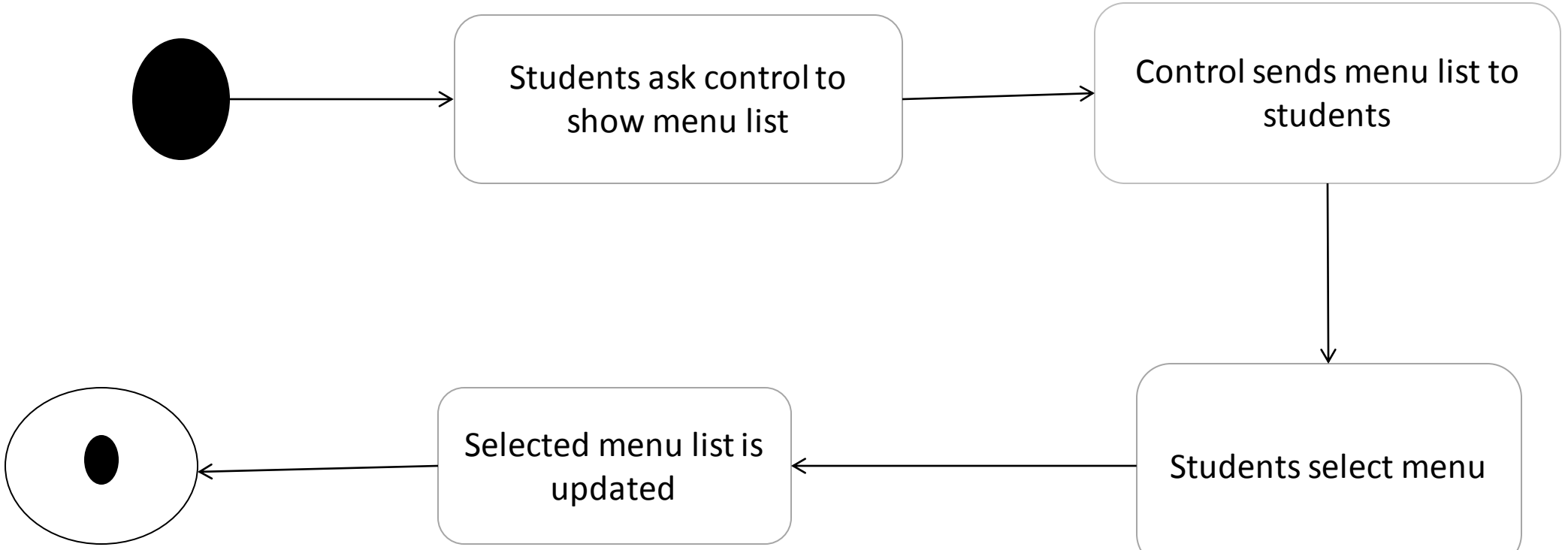
Activity Diagram

2.2.1 Give Menu List



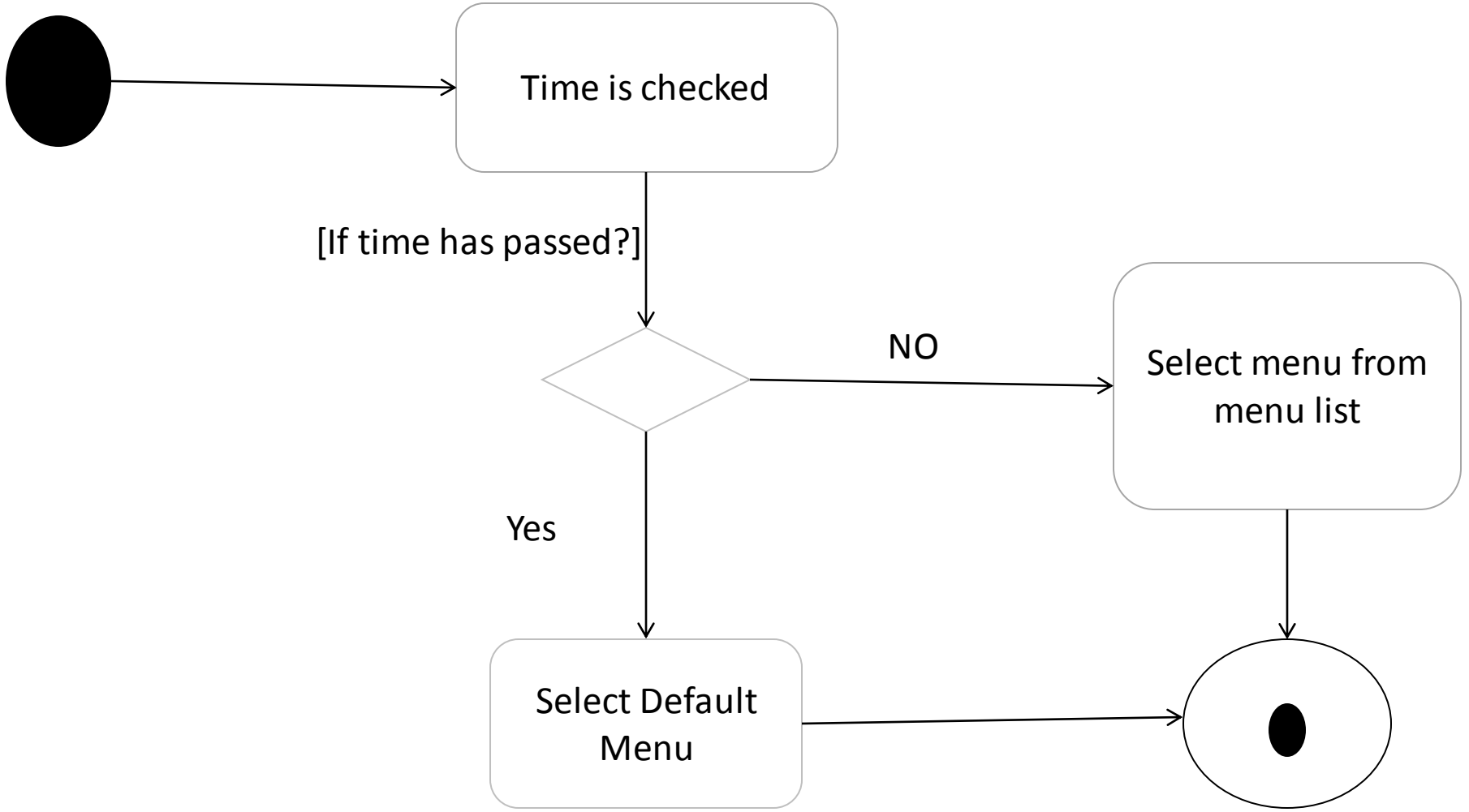
Activity Diagram

2.2.2 Select and Submit Menu Within Time



Activity Diagram

2.2.3 Default meal if not submitted



Activity Diagram