eBook Shop

> ➢ Sequence Diagram
> ➢ State Chart
> ➢ Activity Diagram

Group: 03
Group Members:
1005033
1005037
1005038
1005058
1005059

Outline of the presentation

- ❑ Subsystems
- ❑ Sequence Diagram
- ❑ Activity Diagram
- ❑ State Chart

Subsystems

❖ Book Inventory

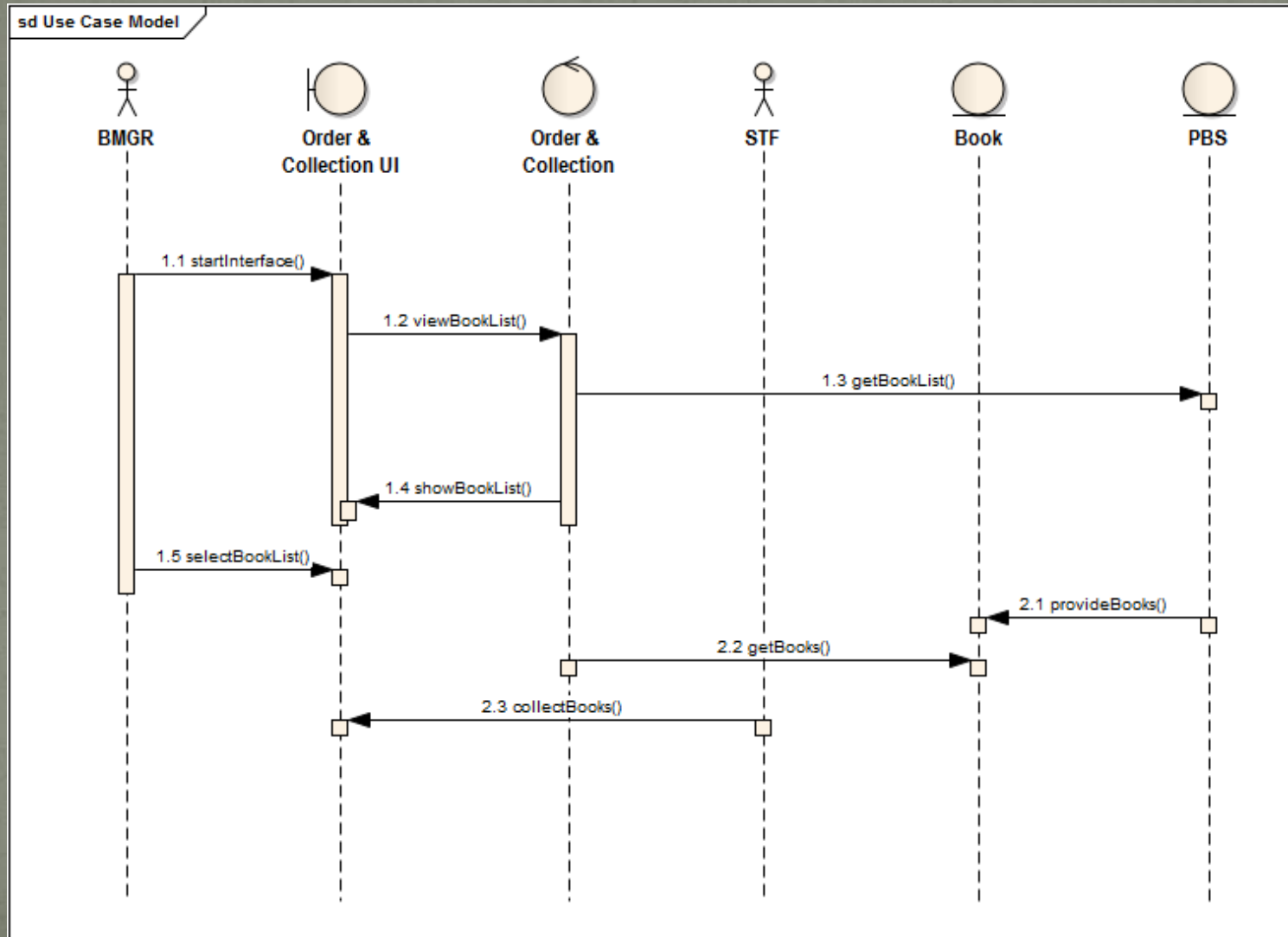❖ Order and Delivery

❖ Employee Management

❖ User and Branch Review

1. Book Inventory
Use Case Glossary:

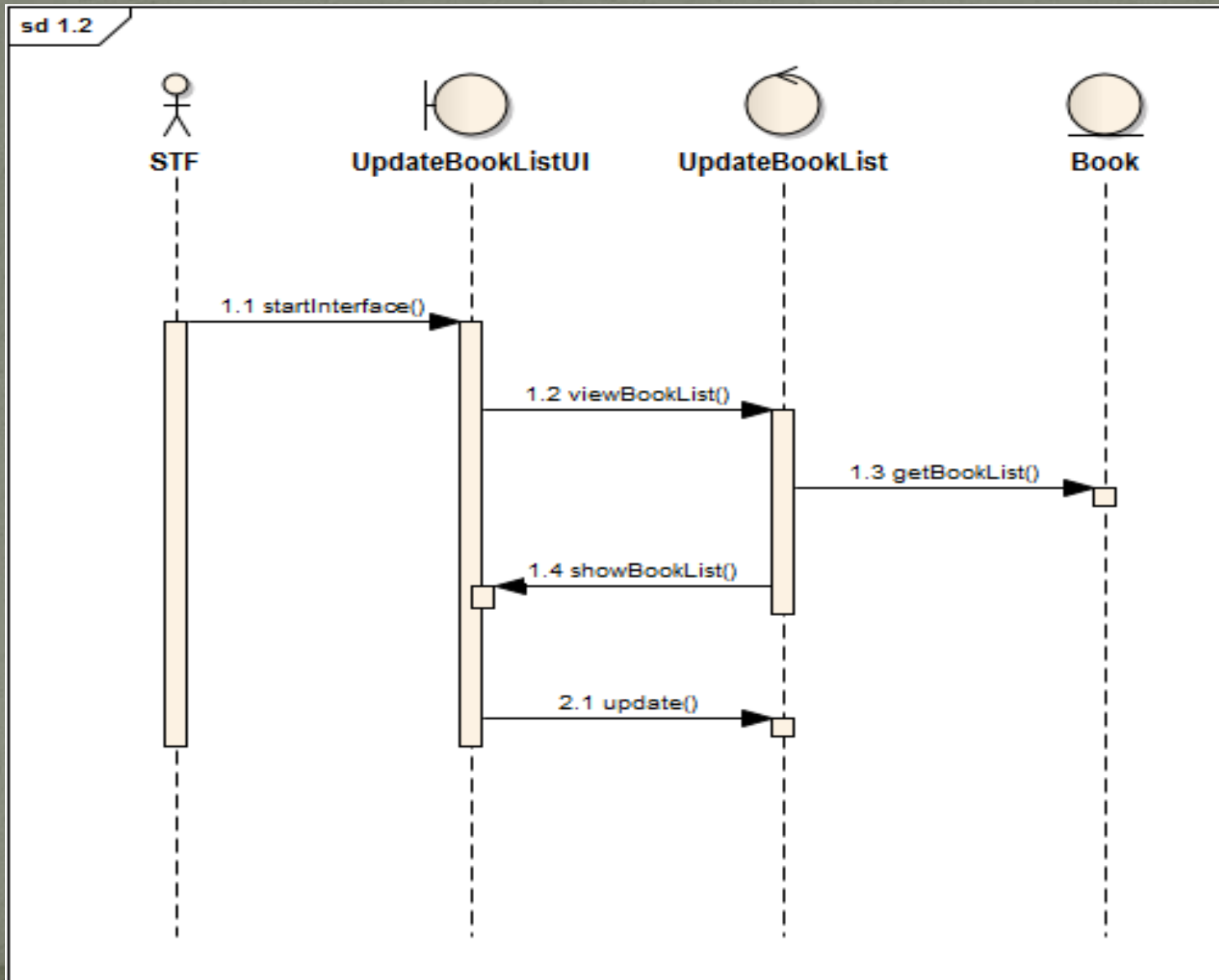| Use-case ID > Name	Description	Participant Actors and roles
1.1>Order and Collection	Contact with publisher, order for new books and collect books from them	BMGR, STF BMGR contacts with MB, MB orders PBS, PBS will provide book and STF will get book to shop
1.2> Update Book List	Book list is updated according to new arrival of books	BDMGR will update book database
1.3> View Book List	Book list is viewed	USR, MB, BMGR

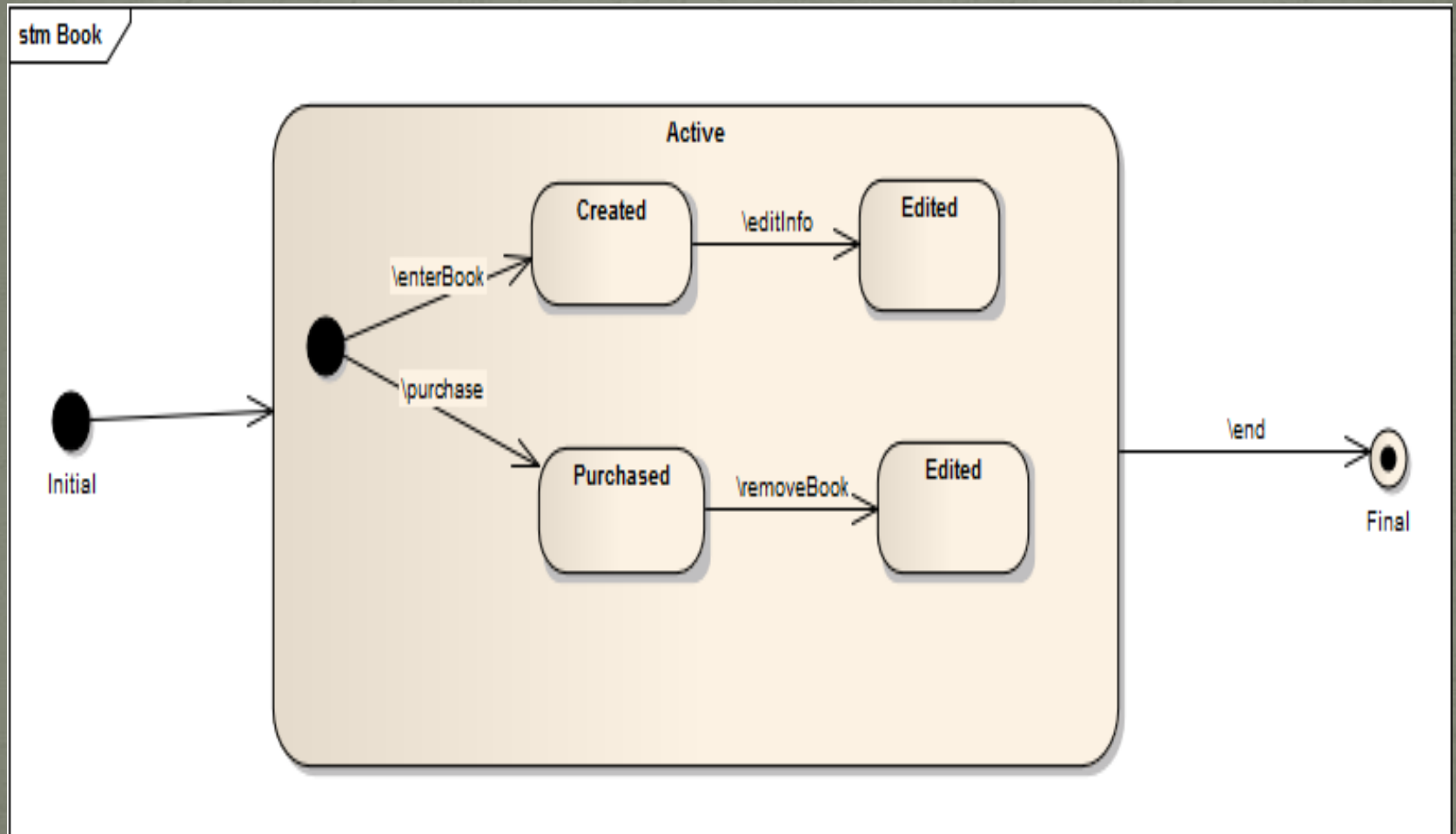# Sequence Diagram 1.1: Order and Collection

Activity Diagram 1.1: Order and Collection
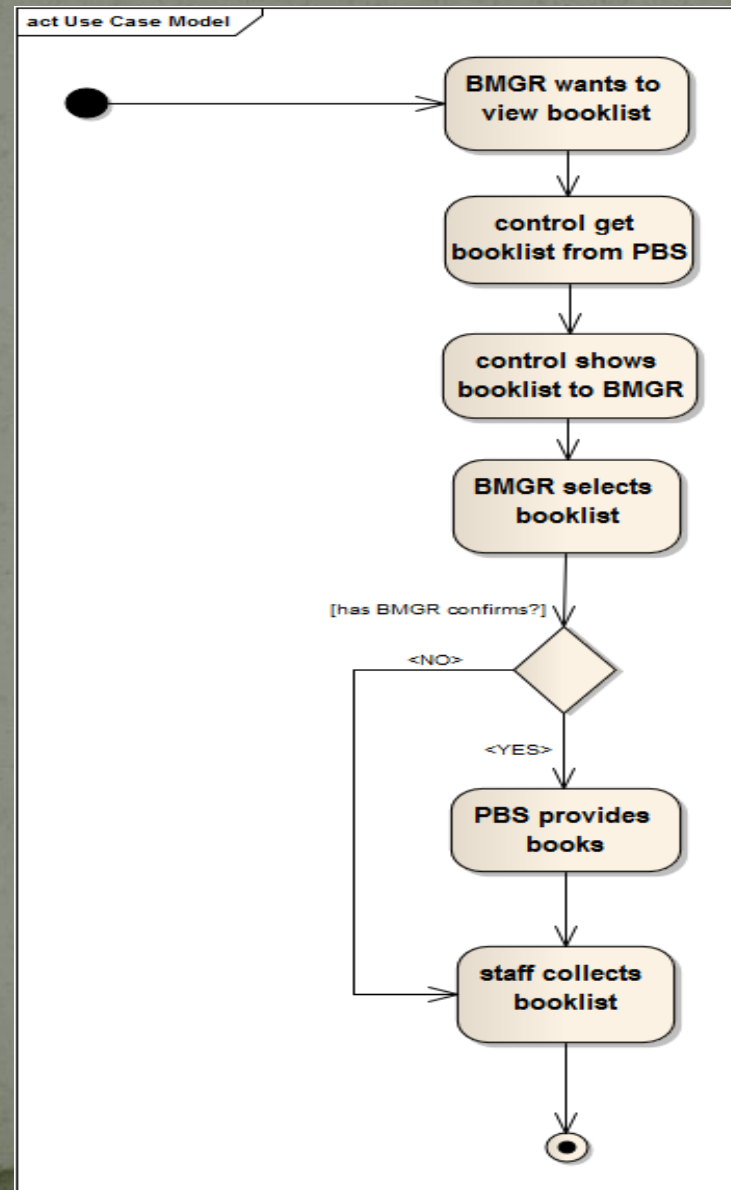
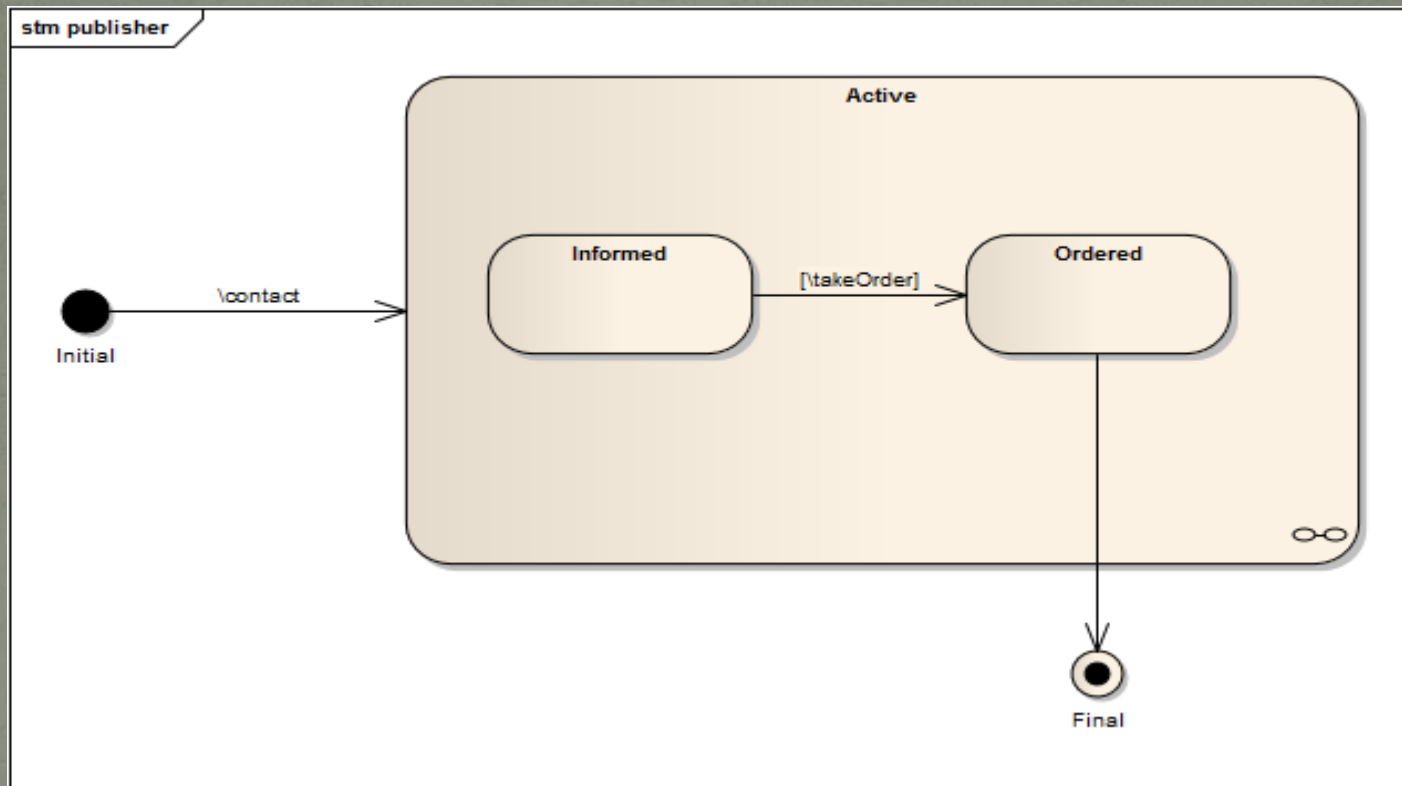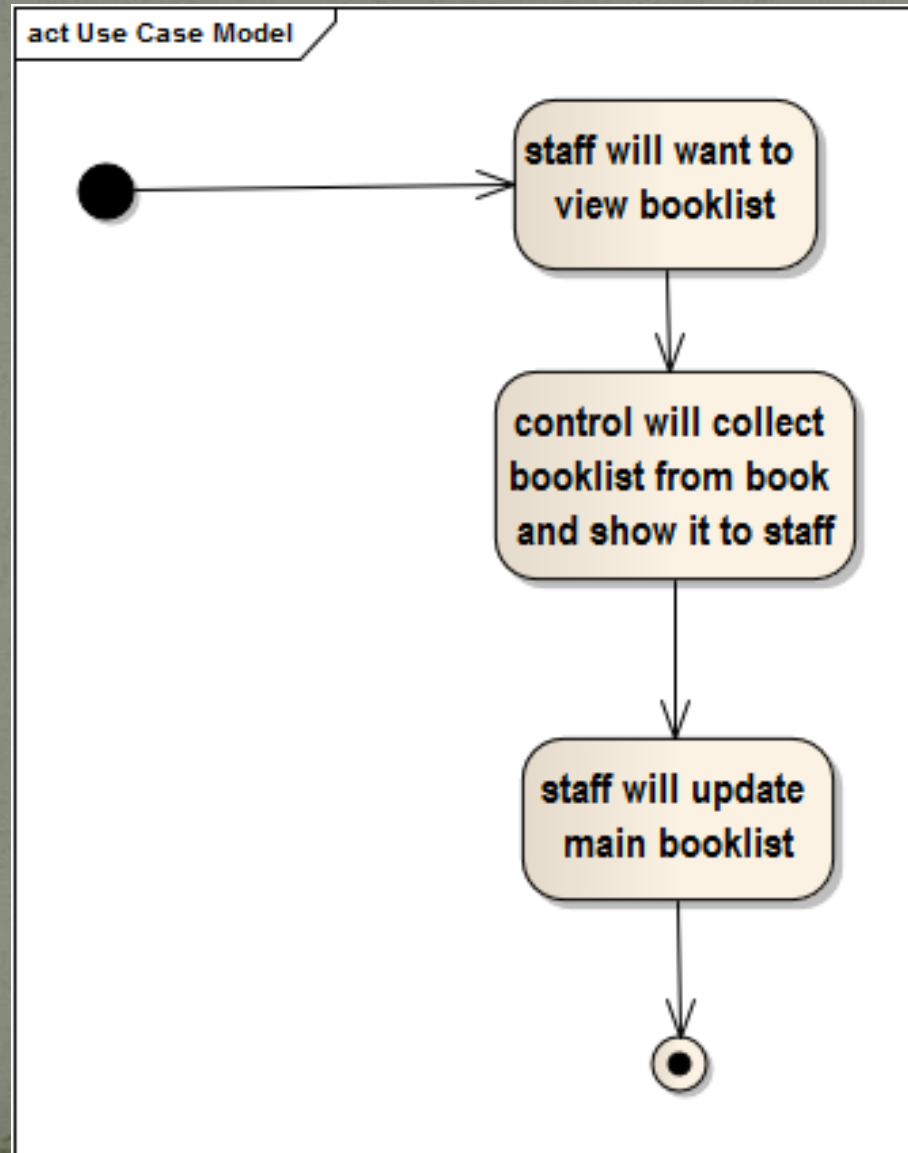# Sequence Diagram 1.2: Update Book List

State Chart: Book

State Chart: Publisher

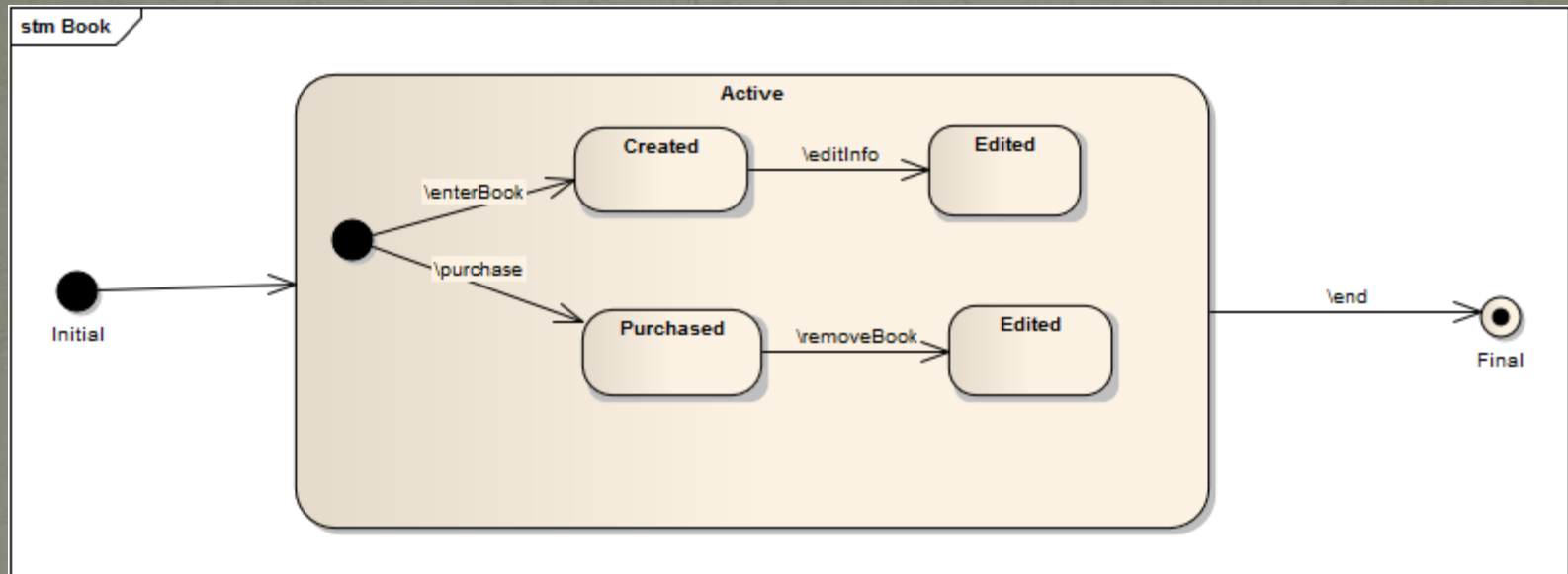# Activity Diagram 1.2: Update Book List

act Use Case Model

staff will want to view booklist

control will collect booklist from book and show it to staff

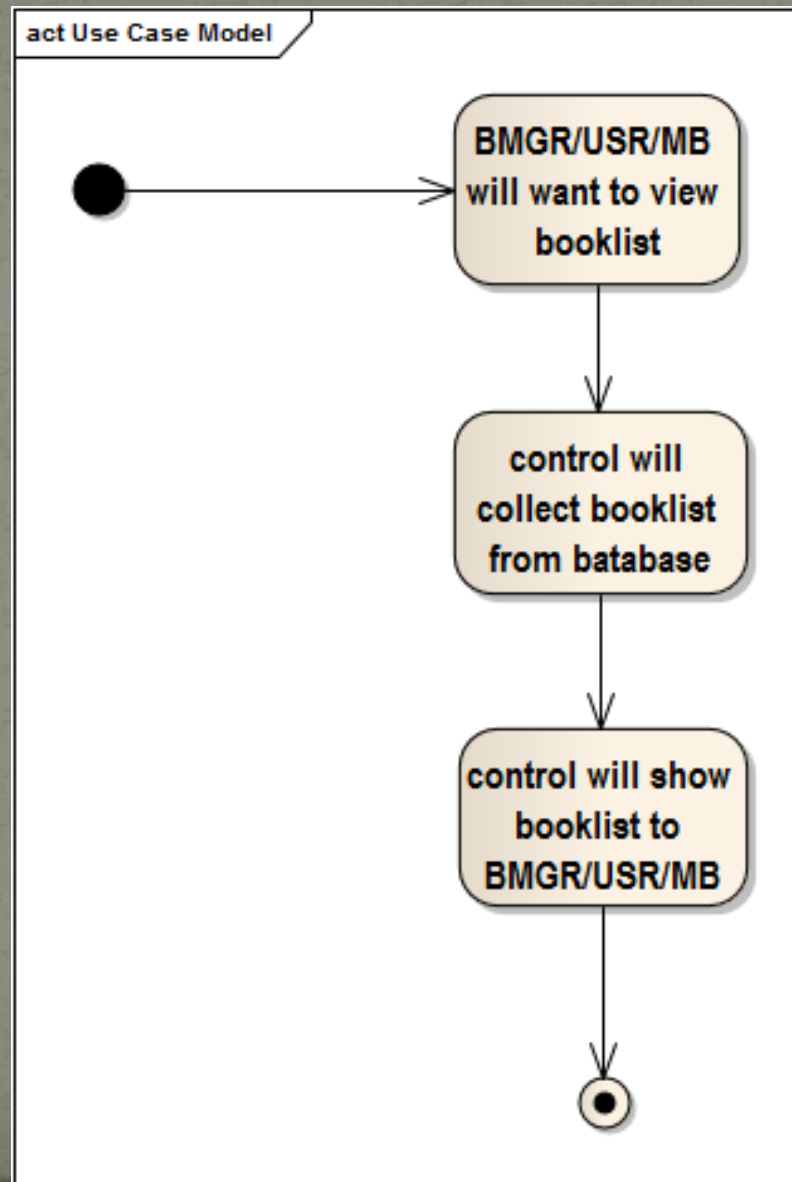staff will update main booklist

Sequence Diagram 1.3: View Book List
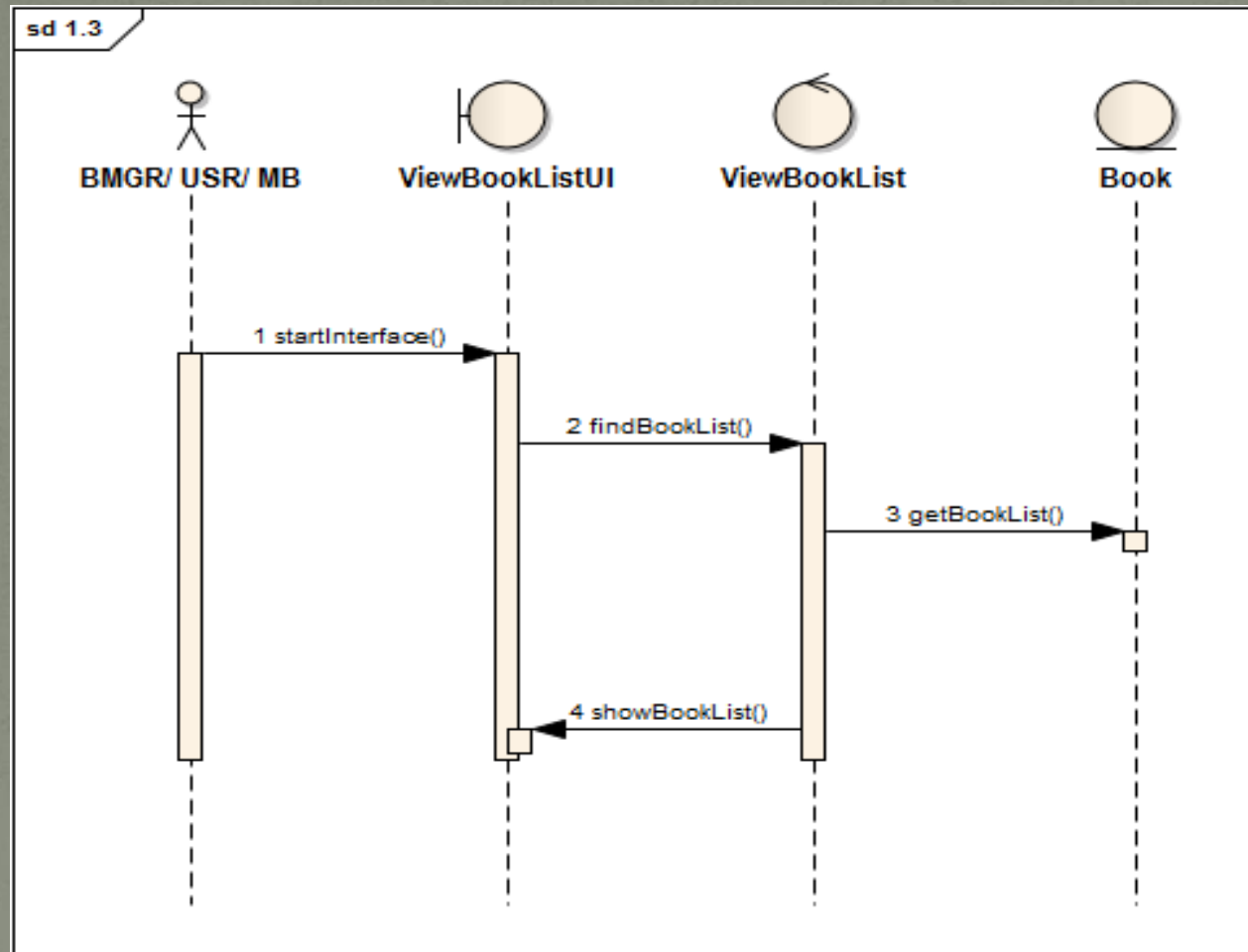
State Chart: Book

Activity Diagram 1.3: View Book List

2. Order and Delivery
## Use Case Glossary:

Use-case ID > Name	Description	Participant Actors and roles
2.1>Place Order	An order is placed for a book by customer	USR, BOMGR USR orders for book, BOMGR accepts & process order
2.2> Delivery Process	Ordered book is delivered to the customer	BOMGR, USR, STF BDMGR delivers the book to USR by STF
2.3> Update Book List	Book list is updated	STF

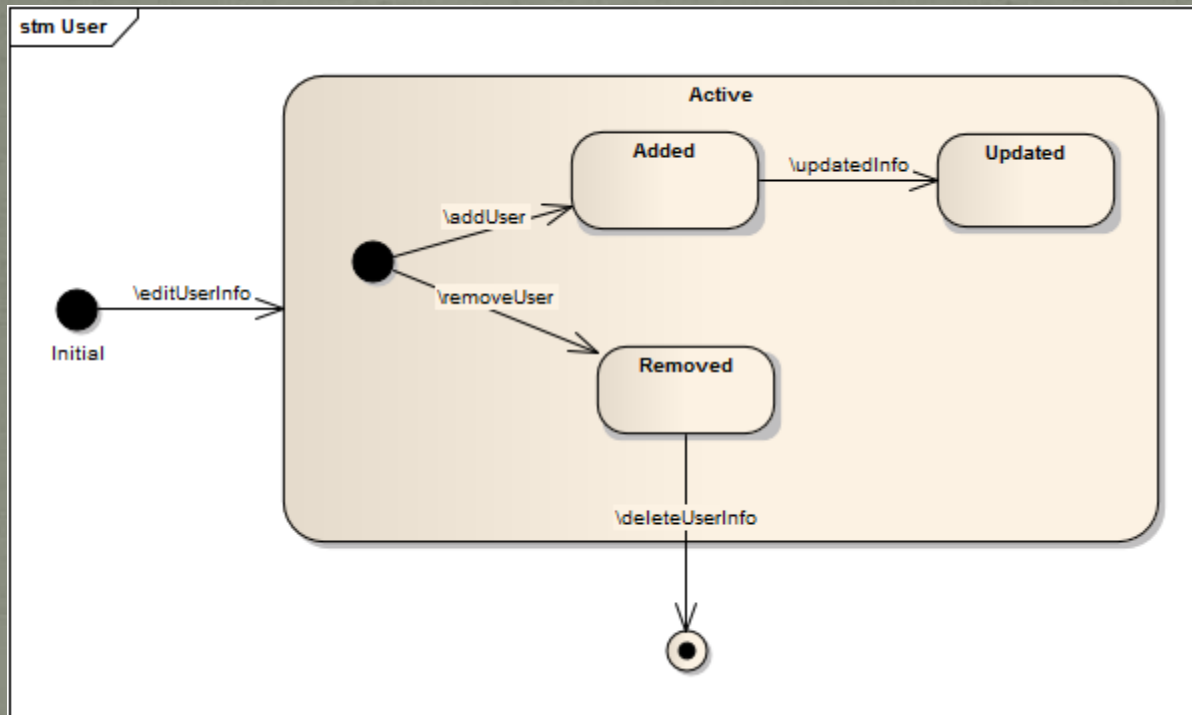# Sequence Diagram 2.1: Place Order
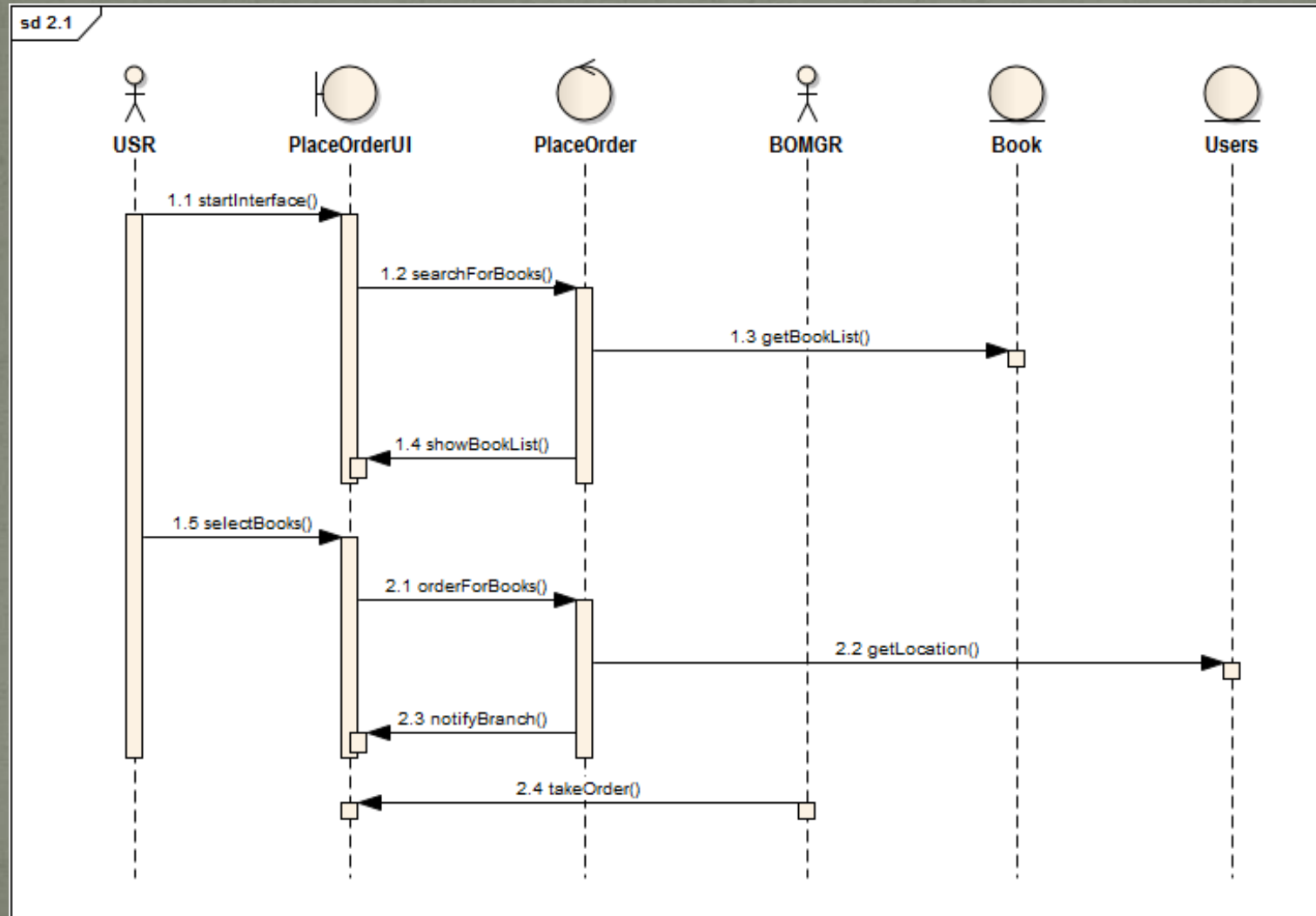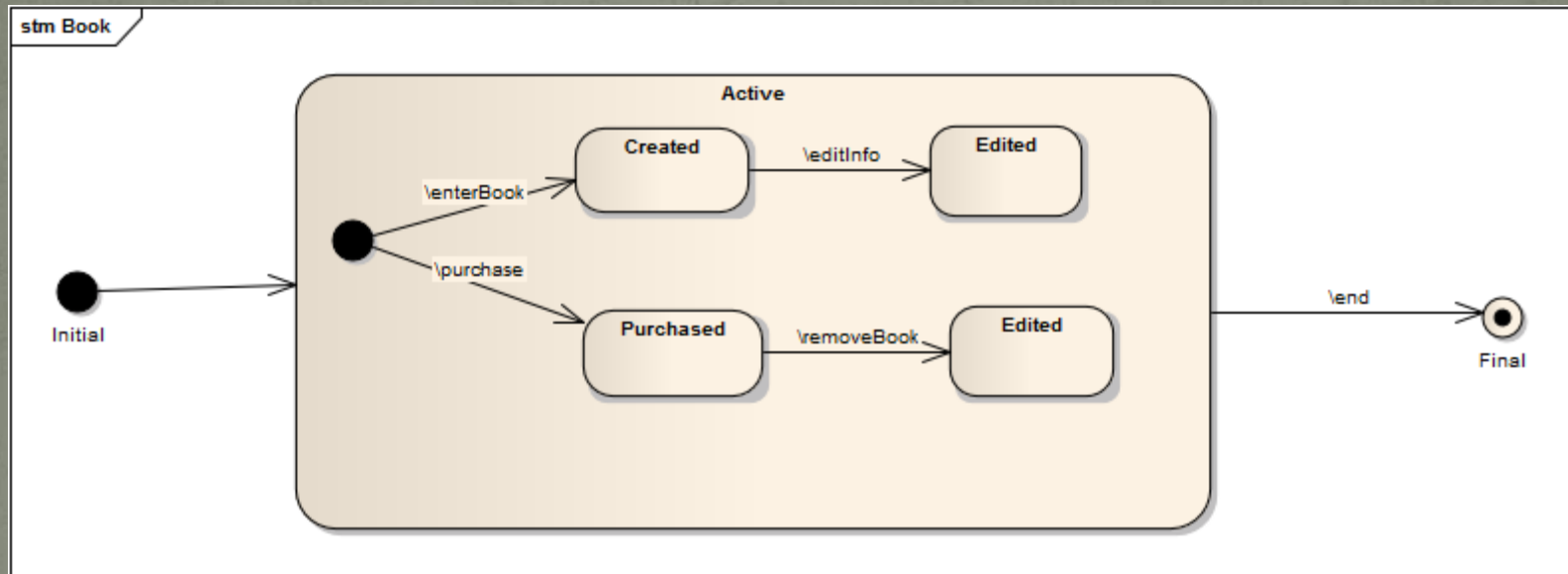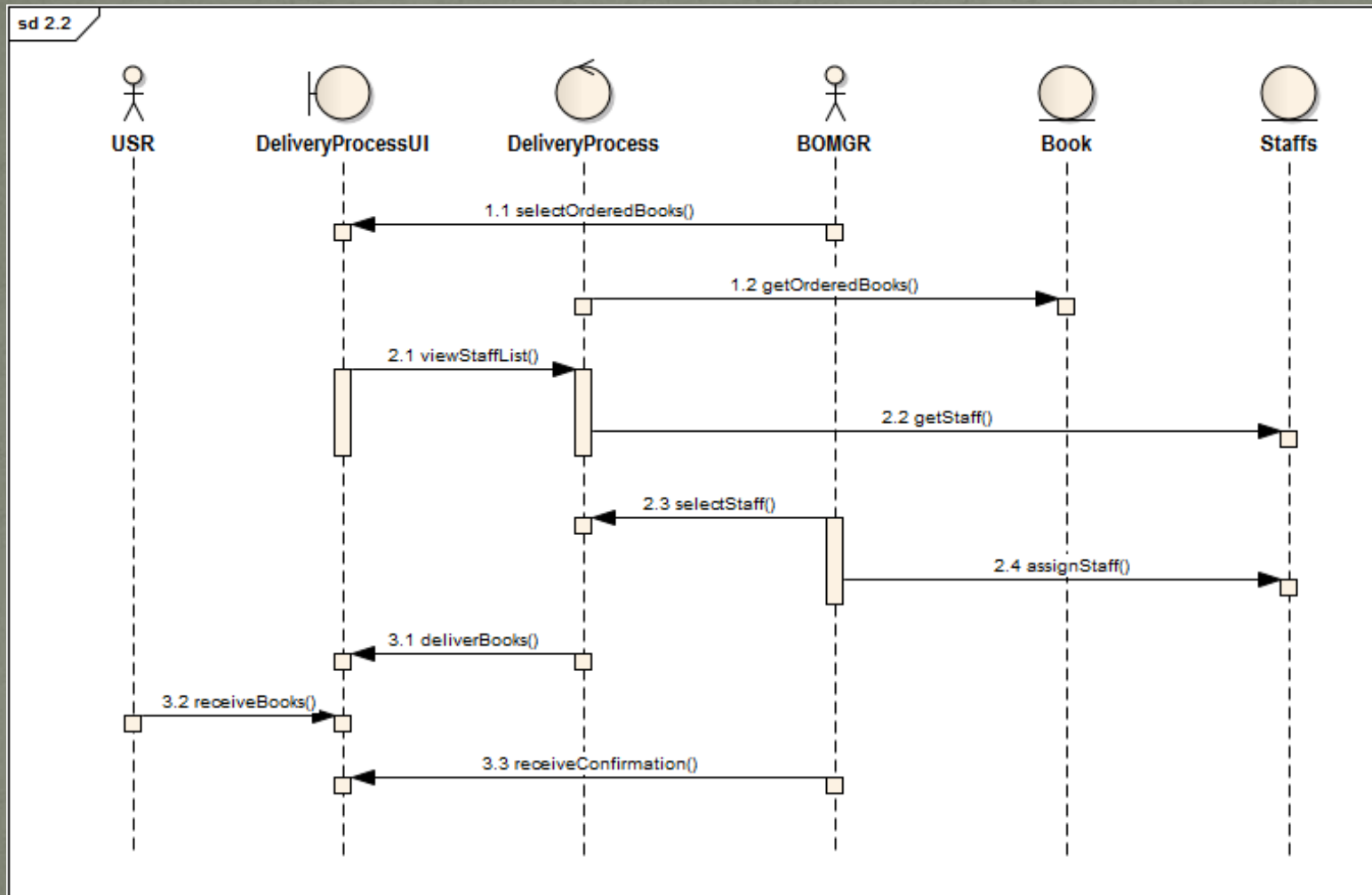
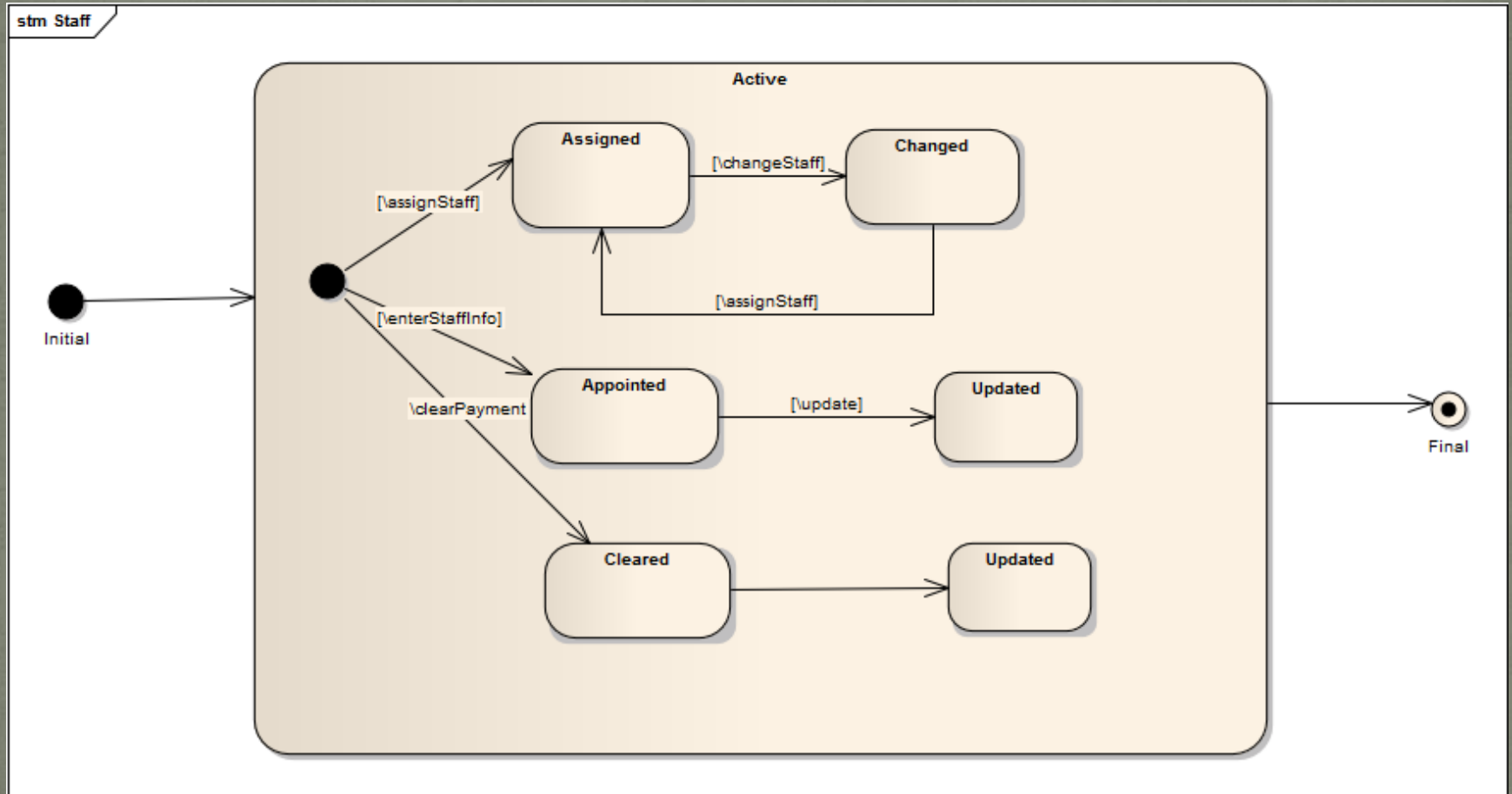# Activity Diagram 2.1: Place Order

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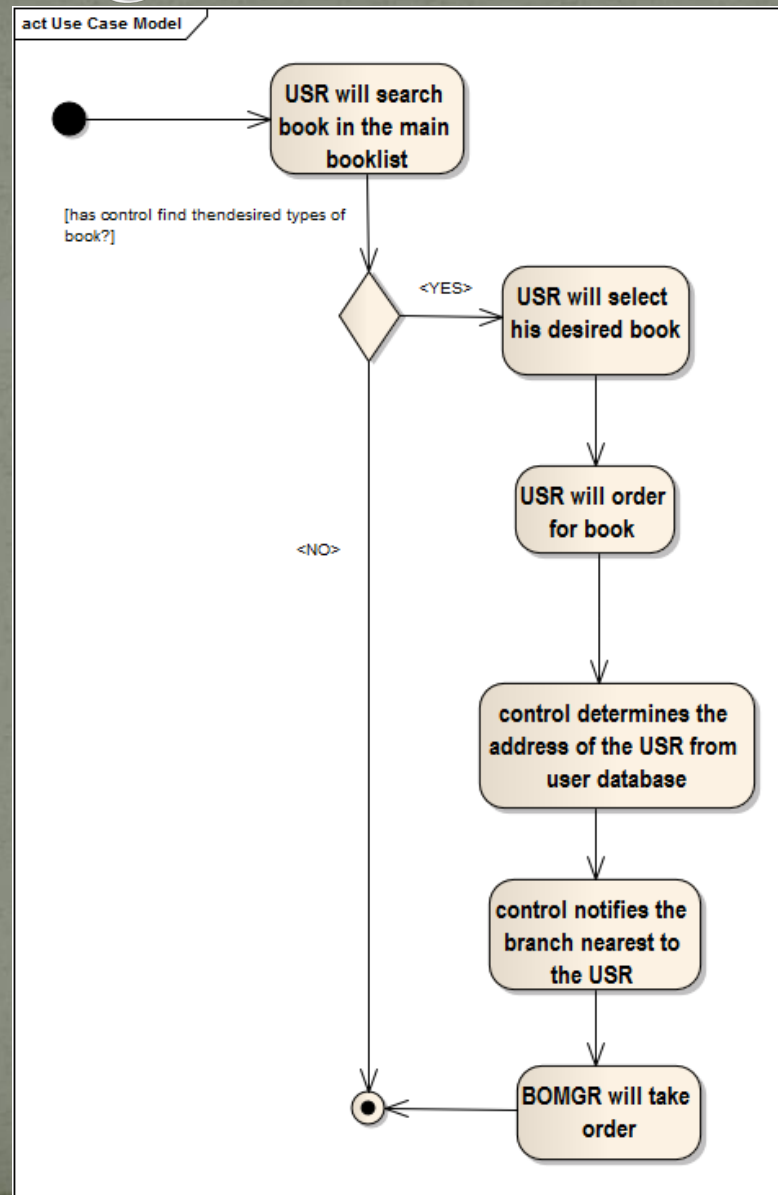
State Chart: User

State Chart: Book

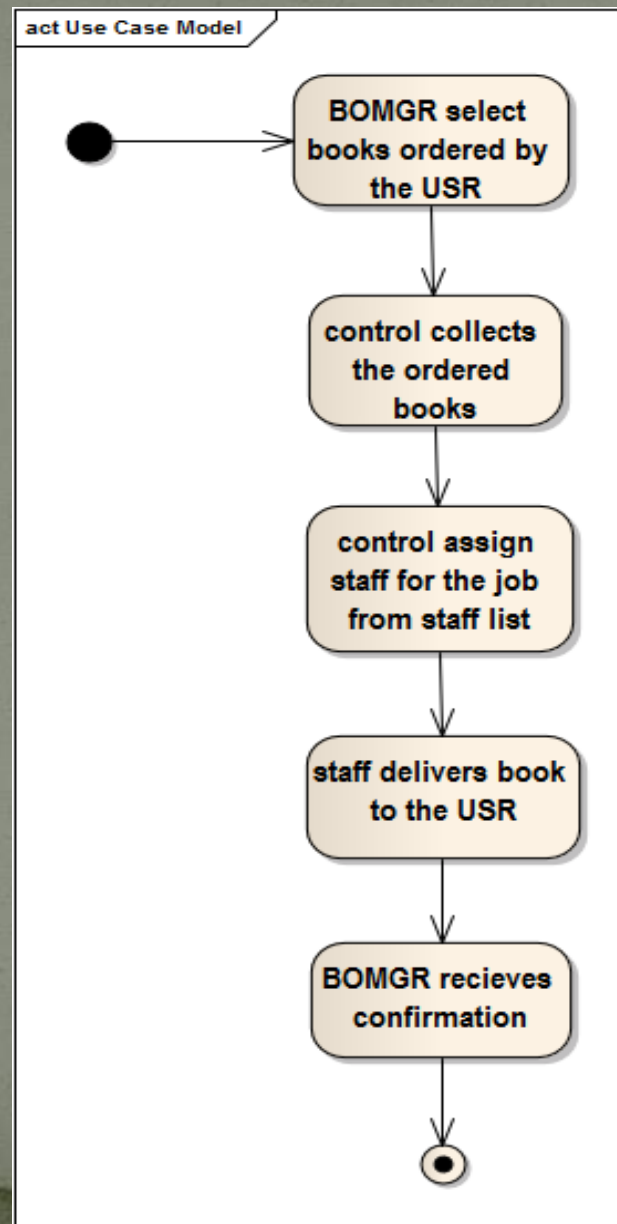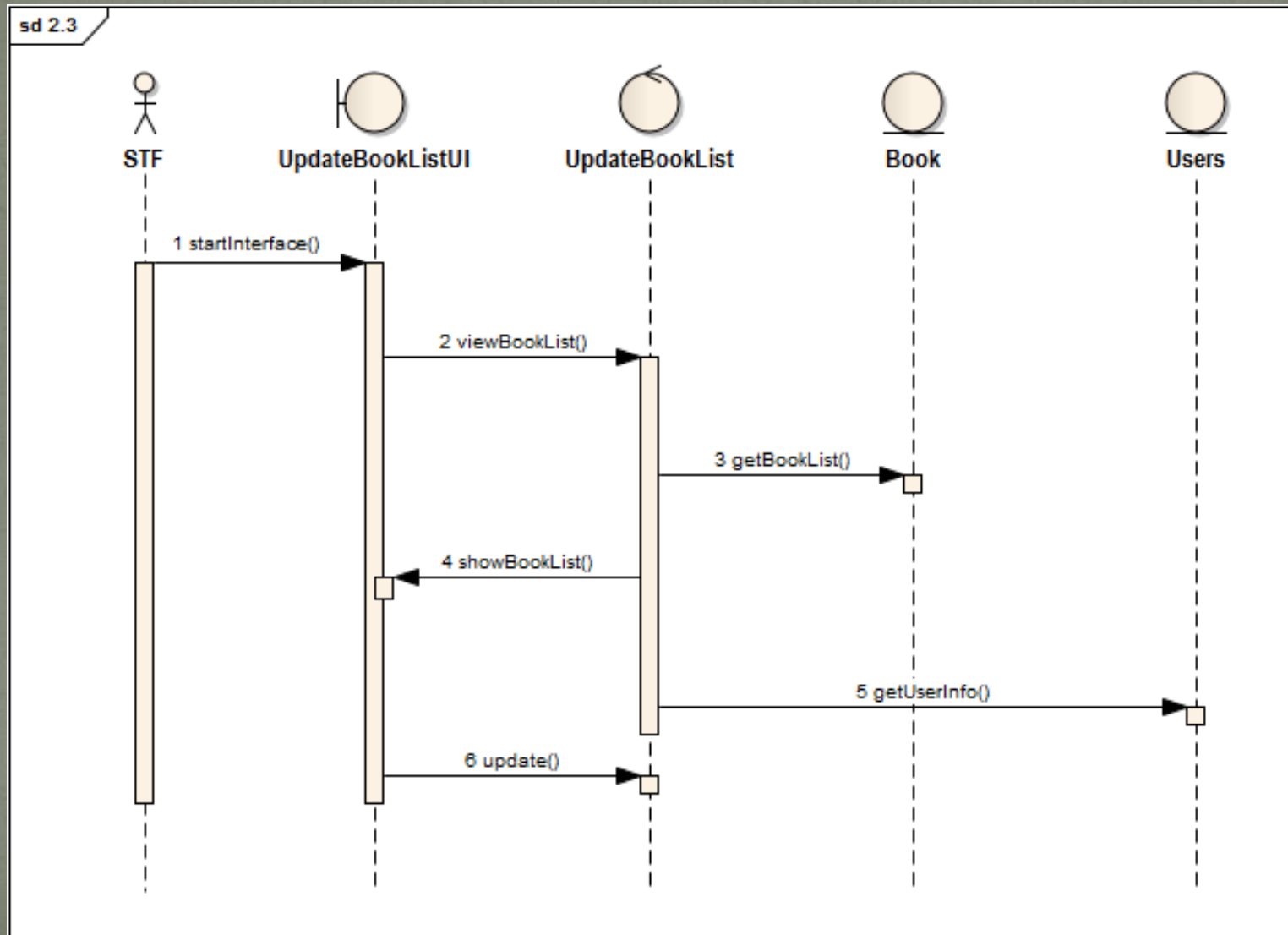# Sequence Diagram 2.2: Delivery Process

State Chart: Staff
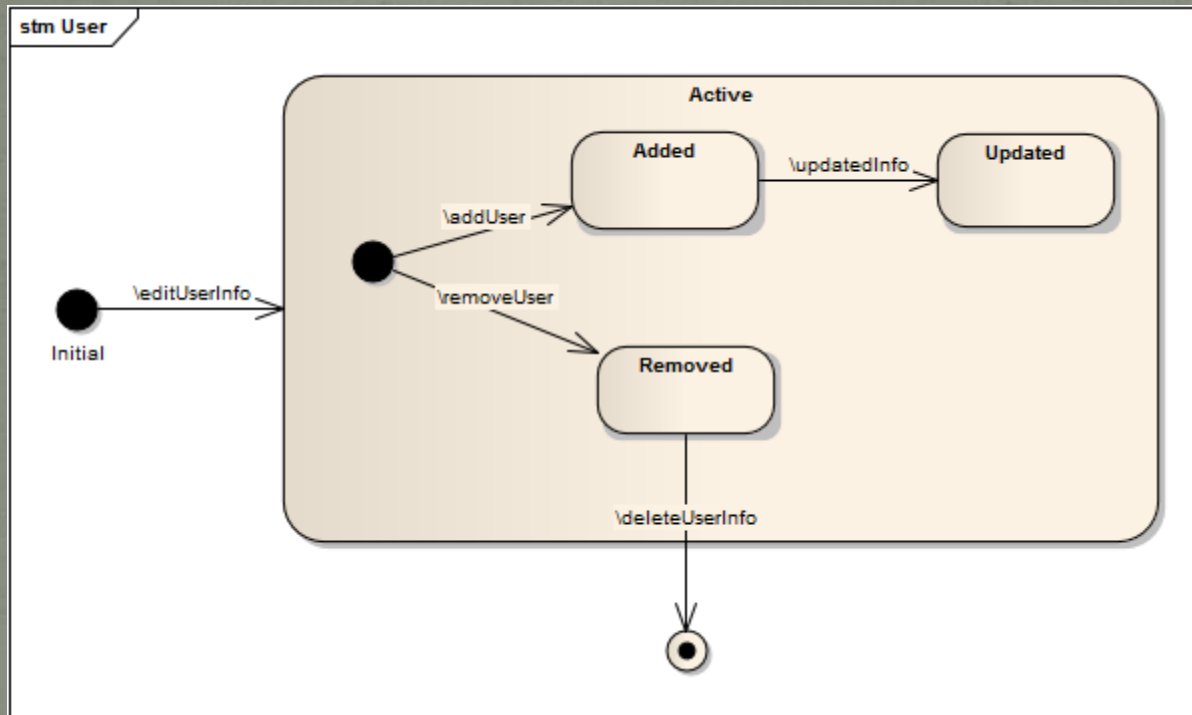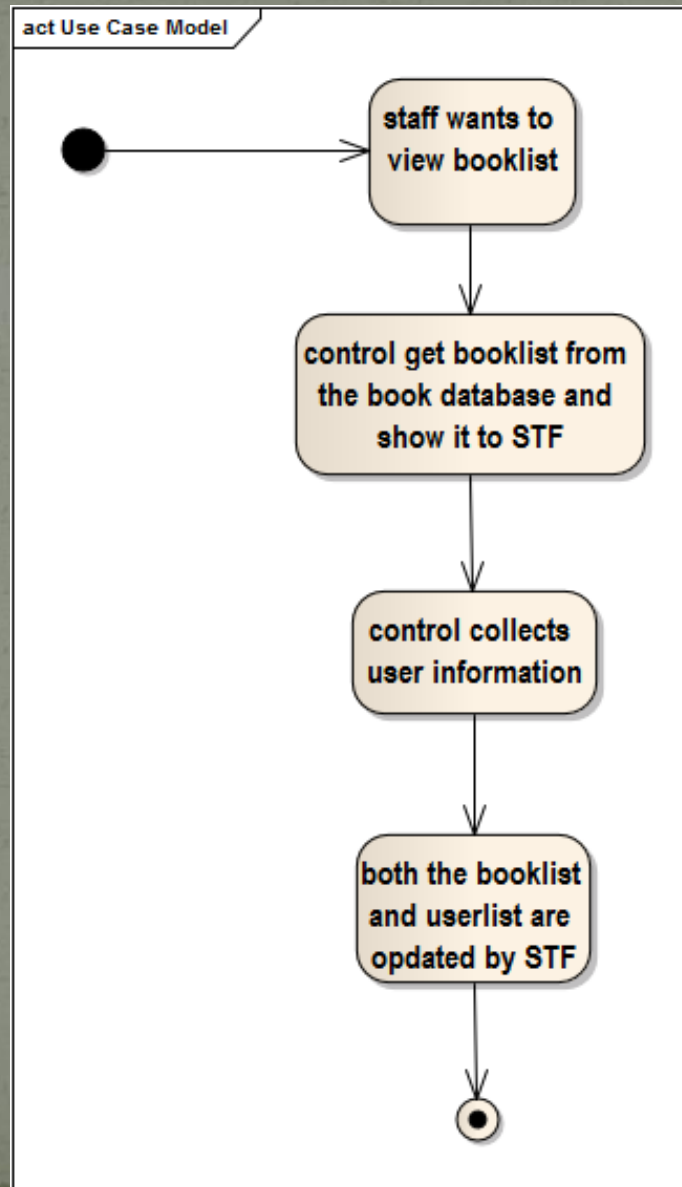
Activity Diagram 2.2: Delivery Process

Sequence Diagram 2.3: Update Book List

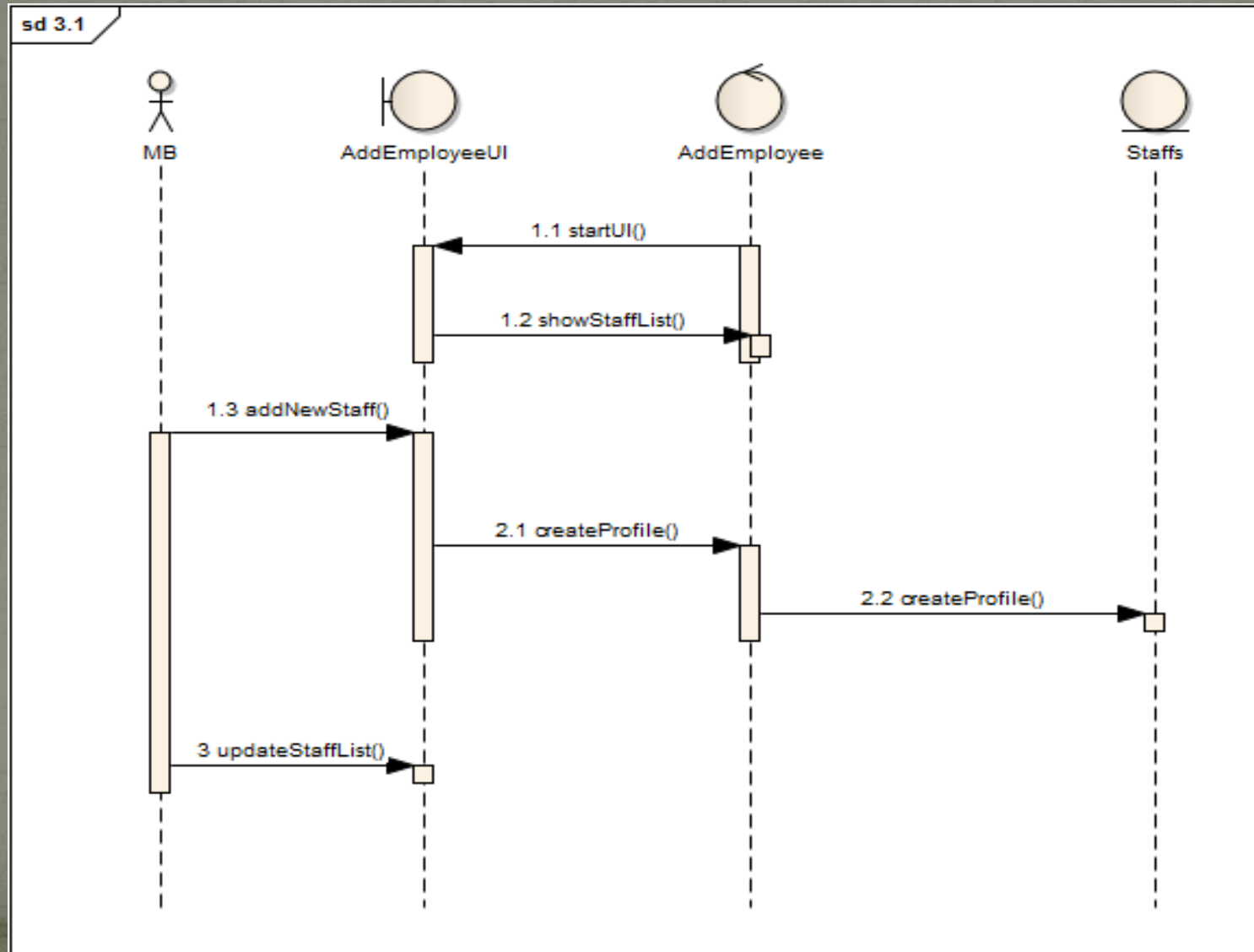# State Chart: User

Activity Diagram 2.3: Update Book List

act Use Case Model

staff wants to
view booklist

control get booklist from
the book database and
show it to STF

control collects
user information

both the booklist
and userlist are
opdated by STF

3. Employee Management
## Use Case Glossary:

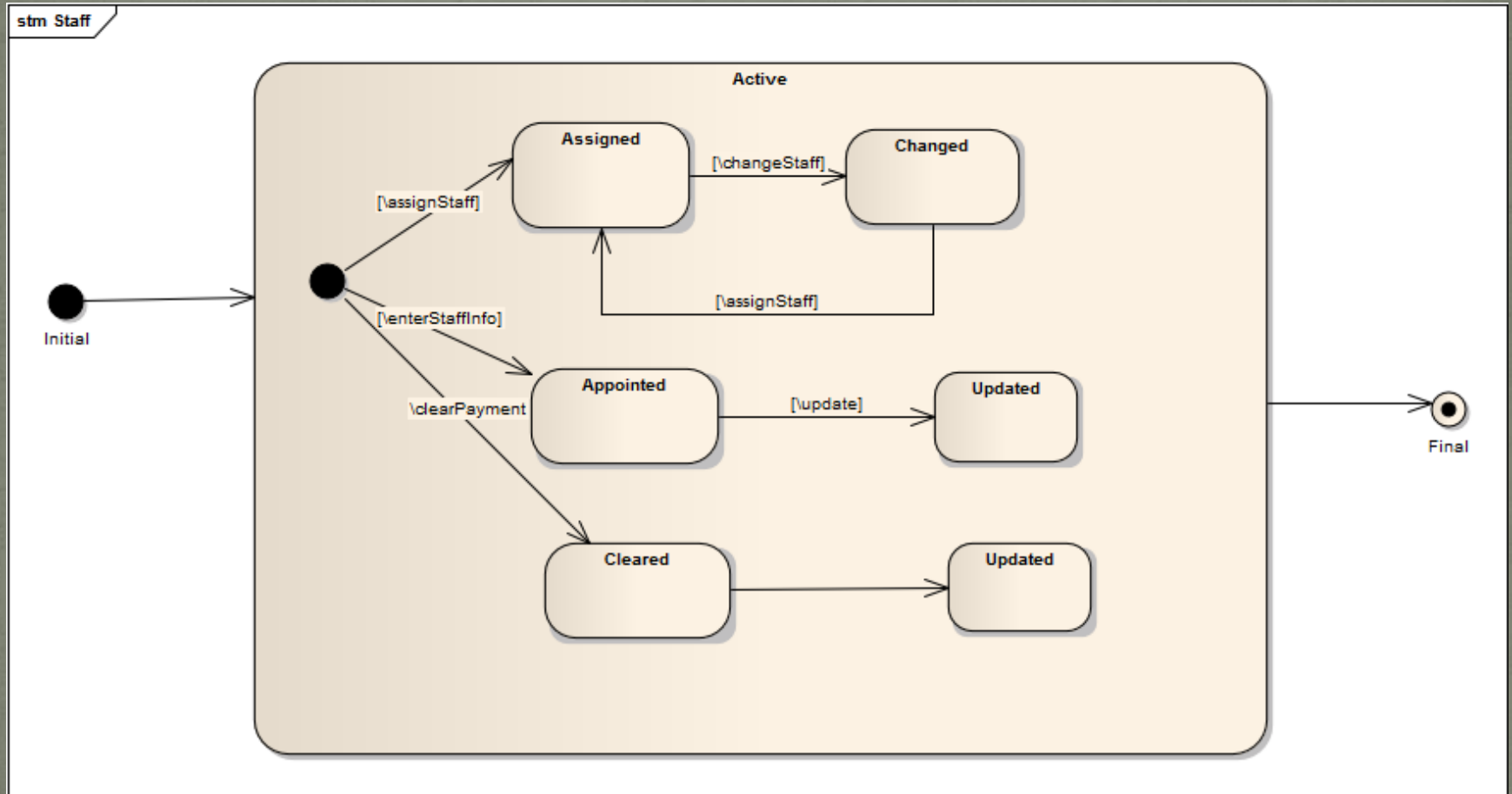| Use-case ID > Name	Description	Participant Actors and roles
3.1>Add New Employee	STF gets appointed	STF, BMGR, MB STF applies for job, BMGR creates list of applicants, MB selects STF
3.2> Application	Applicants applies to Main Branch then Main Branch forwards to particular Branches	MB, STF
3.3> Payment and Bonus	Management of monthly payment and bonus for the staffs of a particular branch	BMGR, STF BMGR provides payment and bonus to STF

Sequence Diagram 3.1: Add New Employee
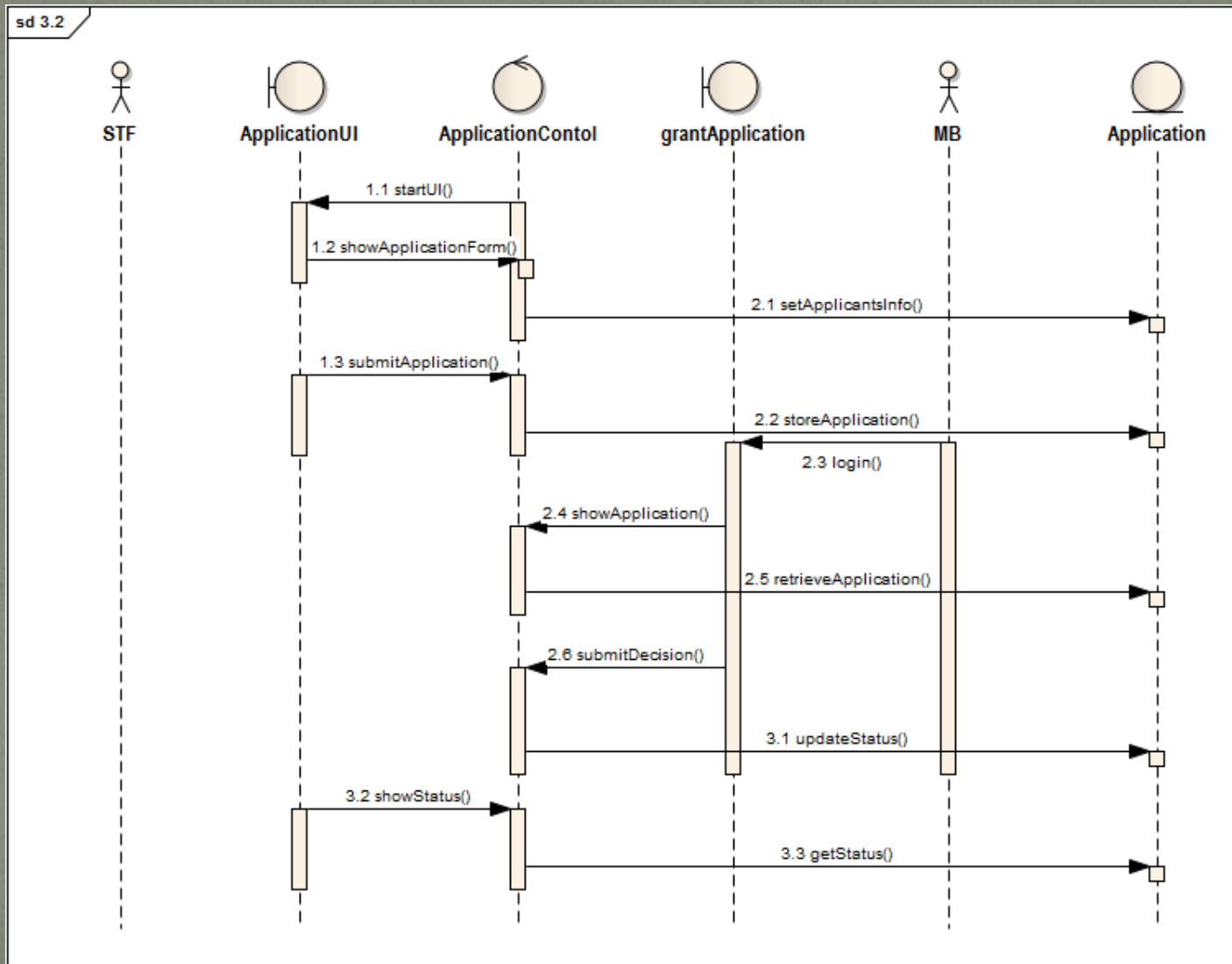
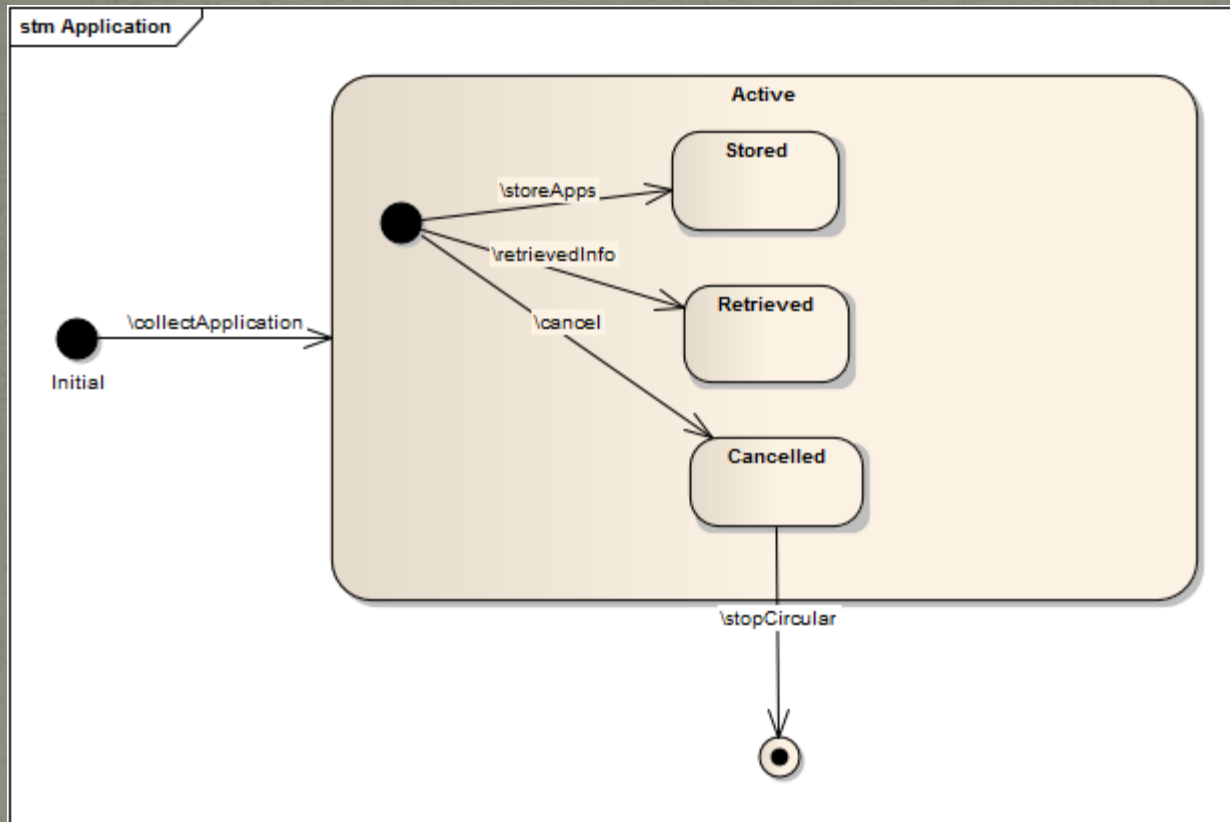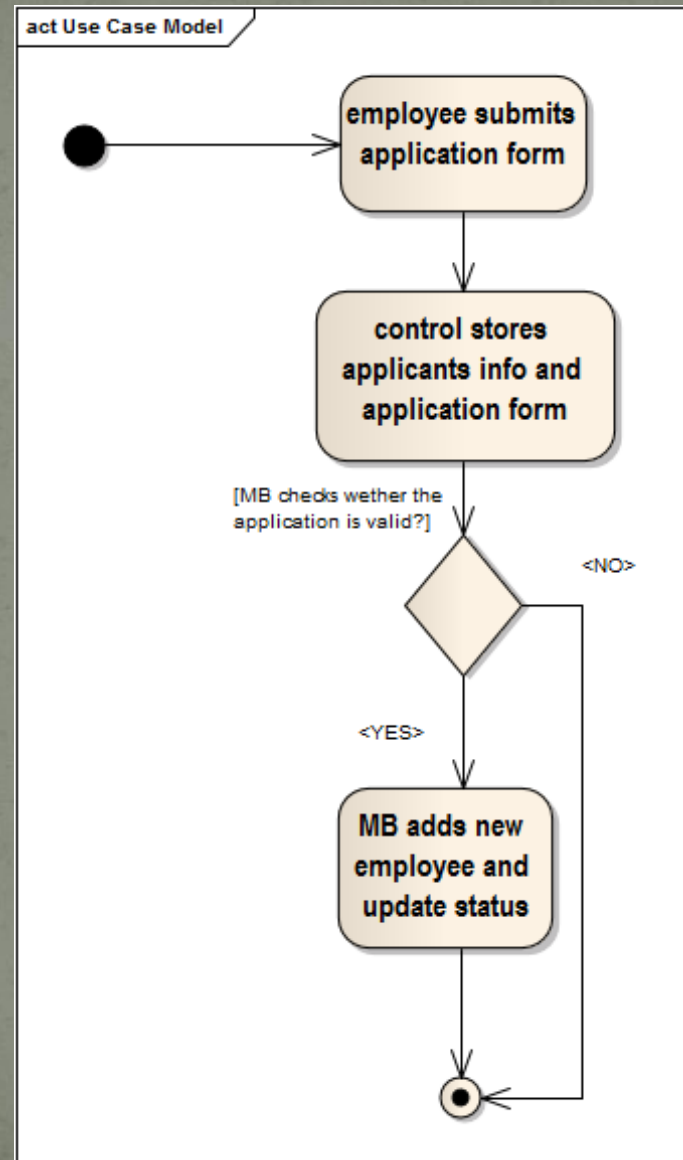# Activity Diagram 3.1: Add New Employee
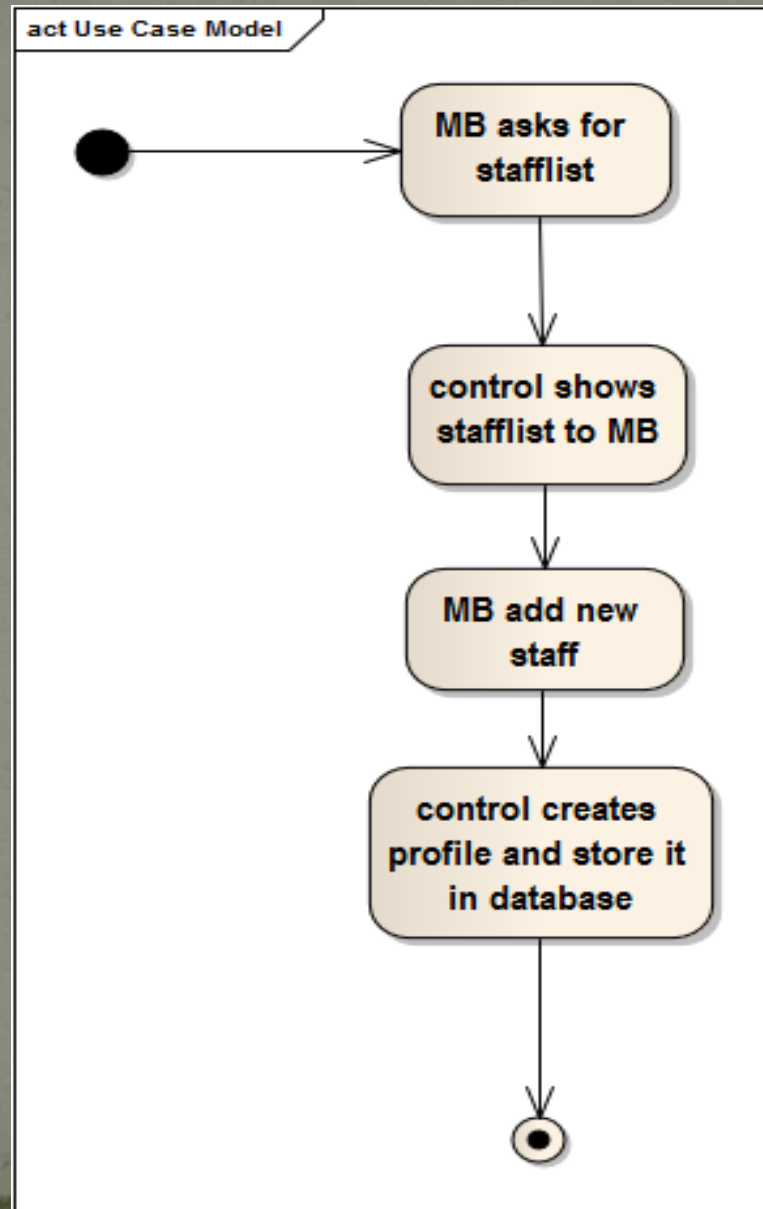
State Chart: Staff

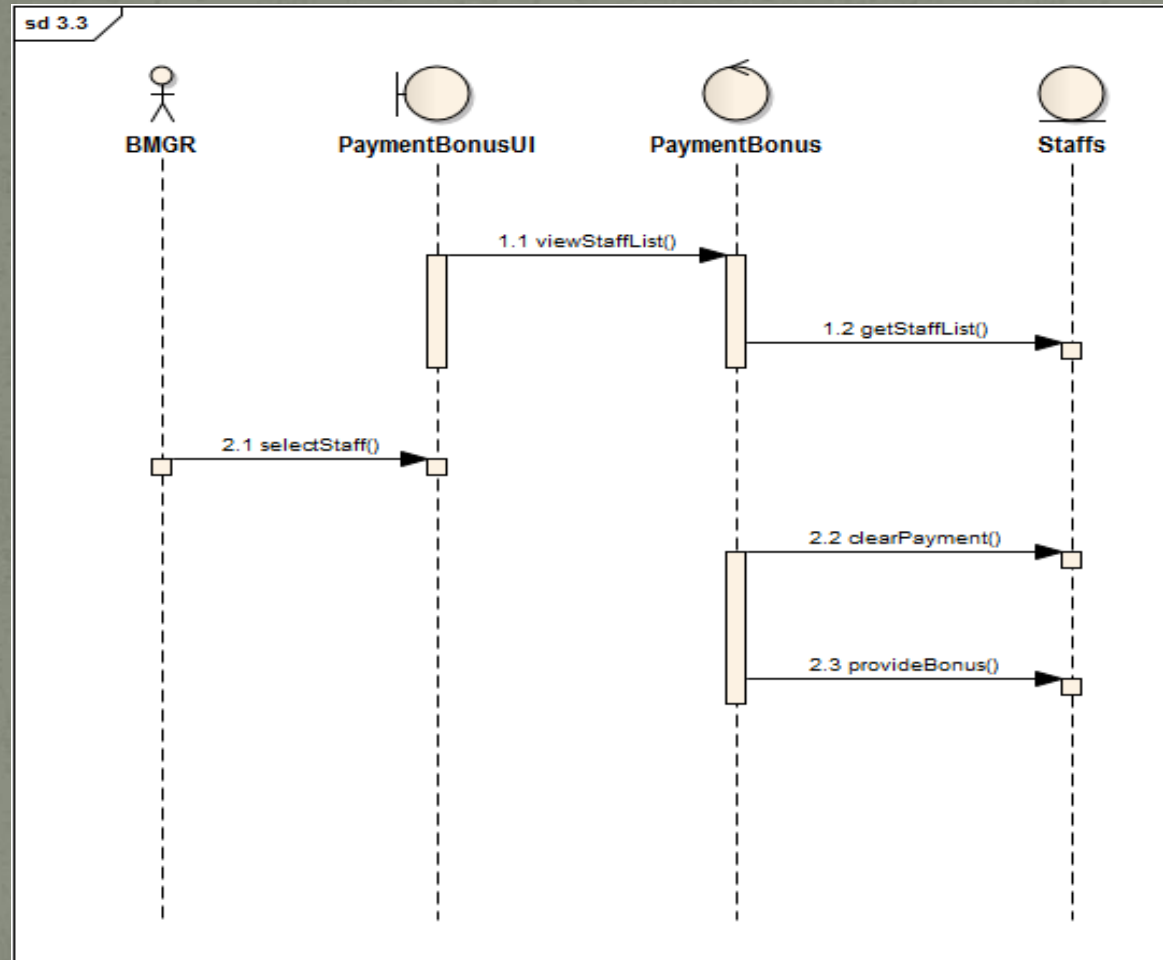# Sequence Diagram 3.2: Application

State Chart: Application

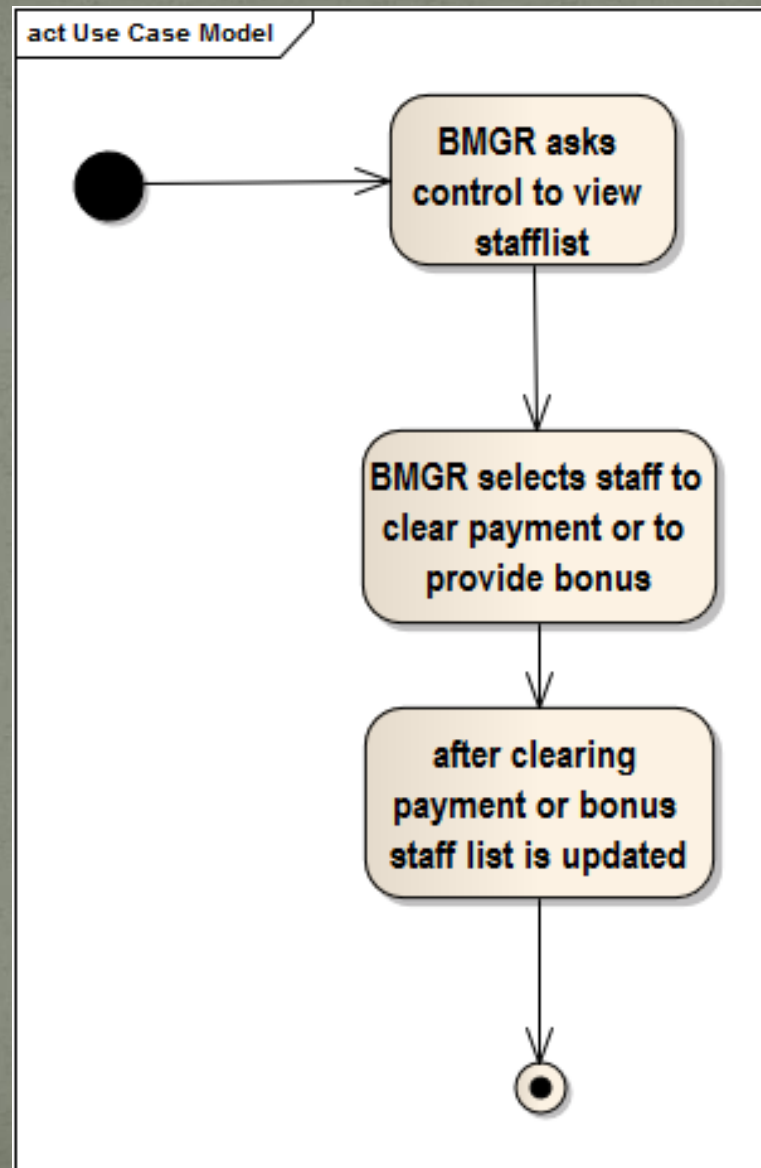# Activity Diagram 3.2: Application

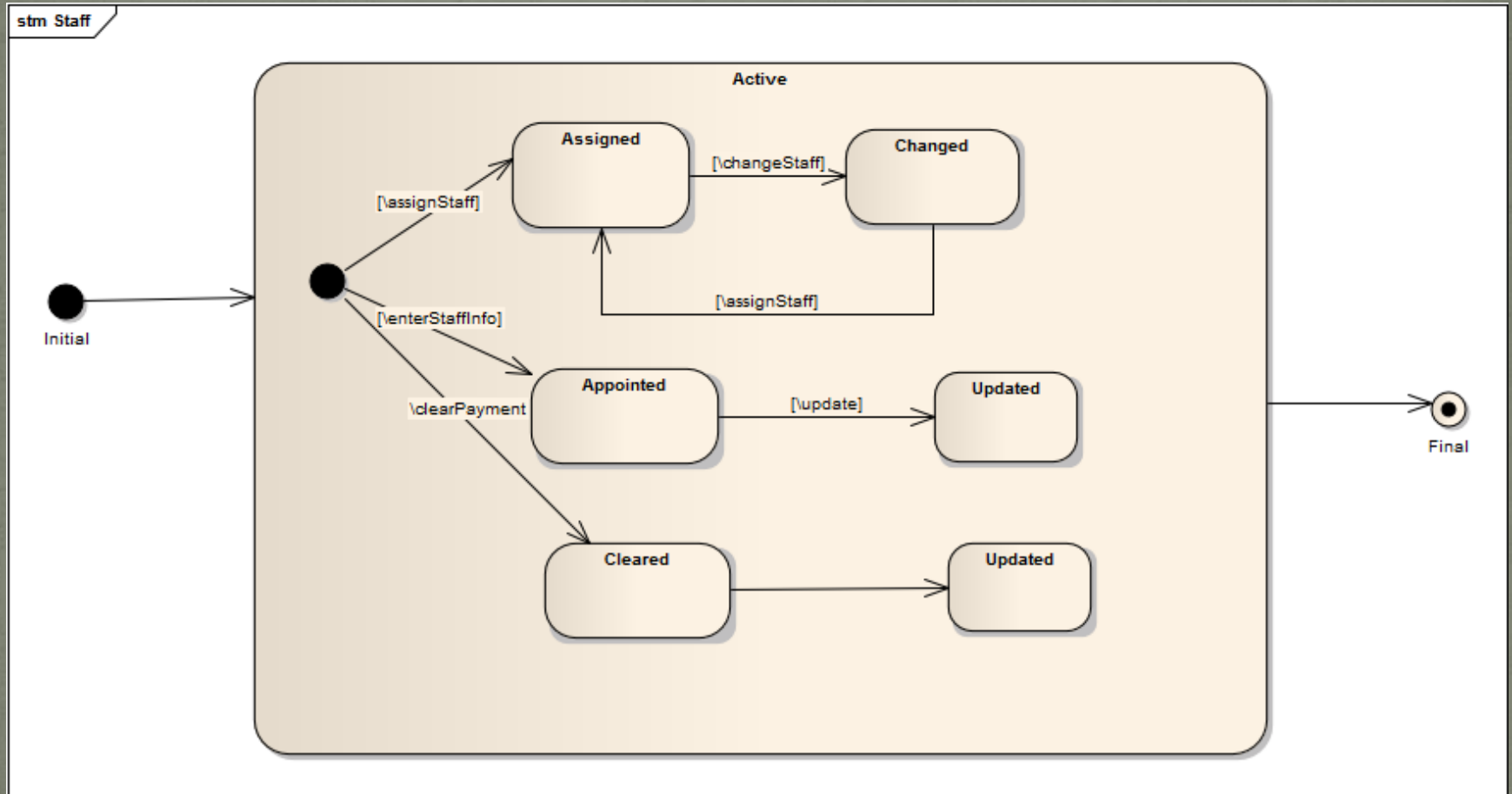# Sequence Diagram 3.3: Payment and Bonus

Activity Diagram 3.3: Payment and Bonus

State Chart: Staff

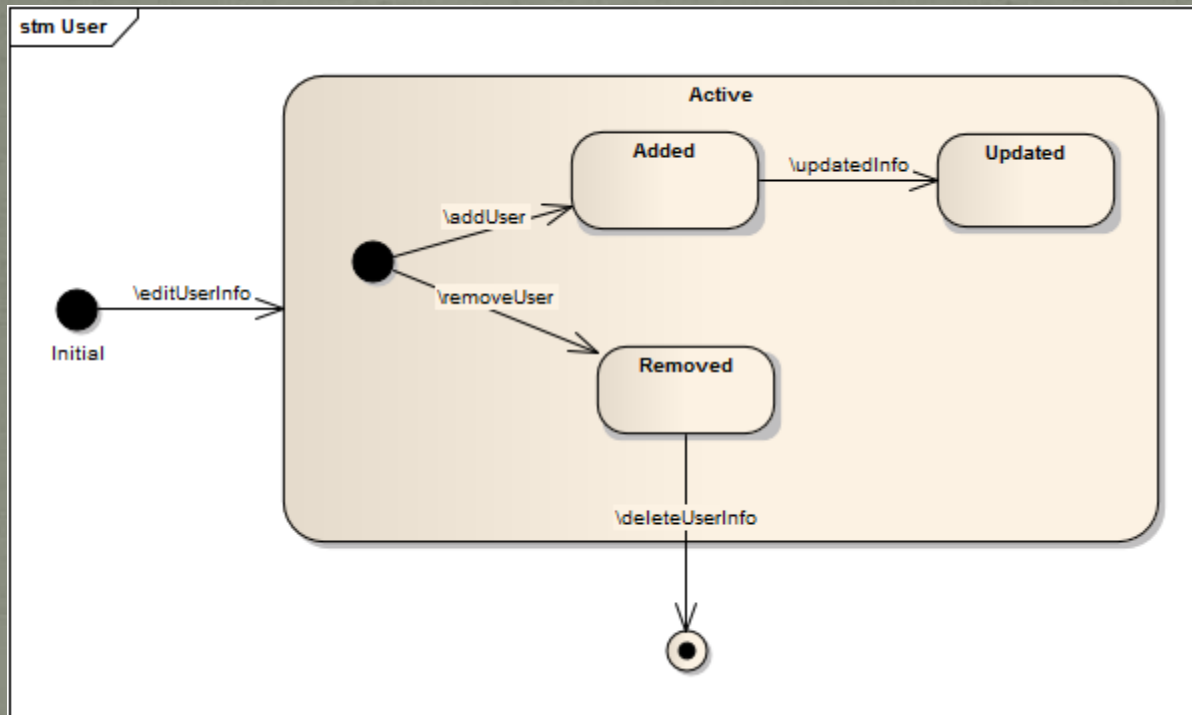# 4. User and Branch Review
Use Case Glossary:

| Use-case ID > Name	Description	Participant Actors and roles
4.1>User Review	Branch gives review about a particular USR	USR, BMGR
4.2> Book Review	Review is given on a particular book	USR, MB
4.3> Branch Review	According to branch services USR gives review about corresponding branch	USR, MB

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Sequence Diagram 4.1: User Review
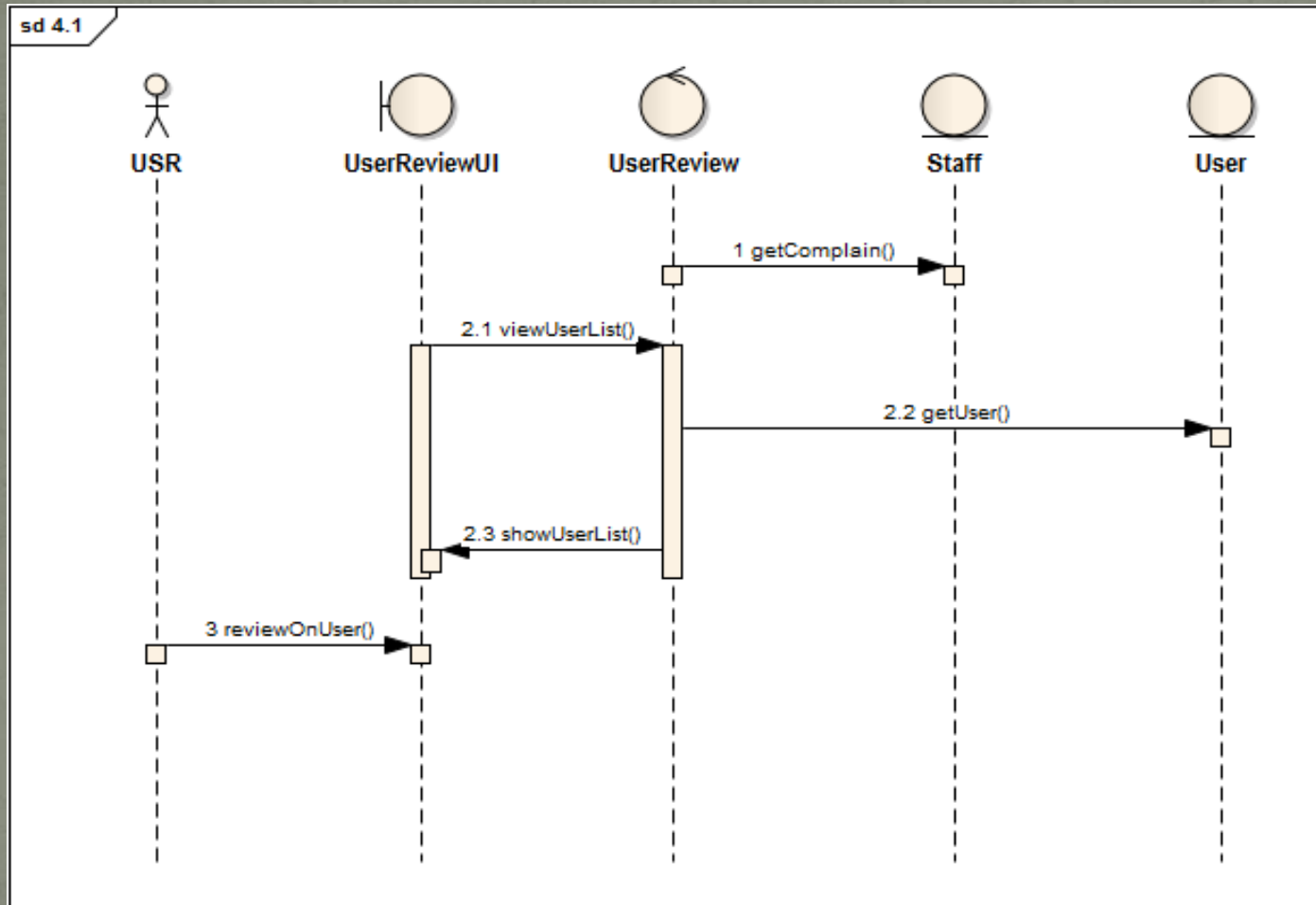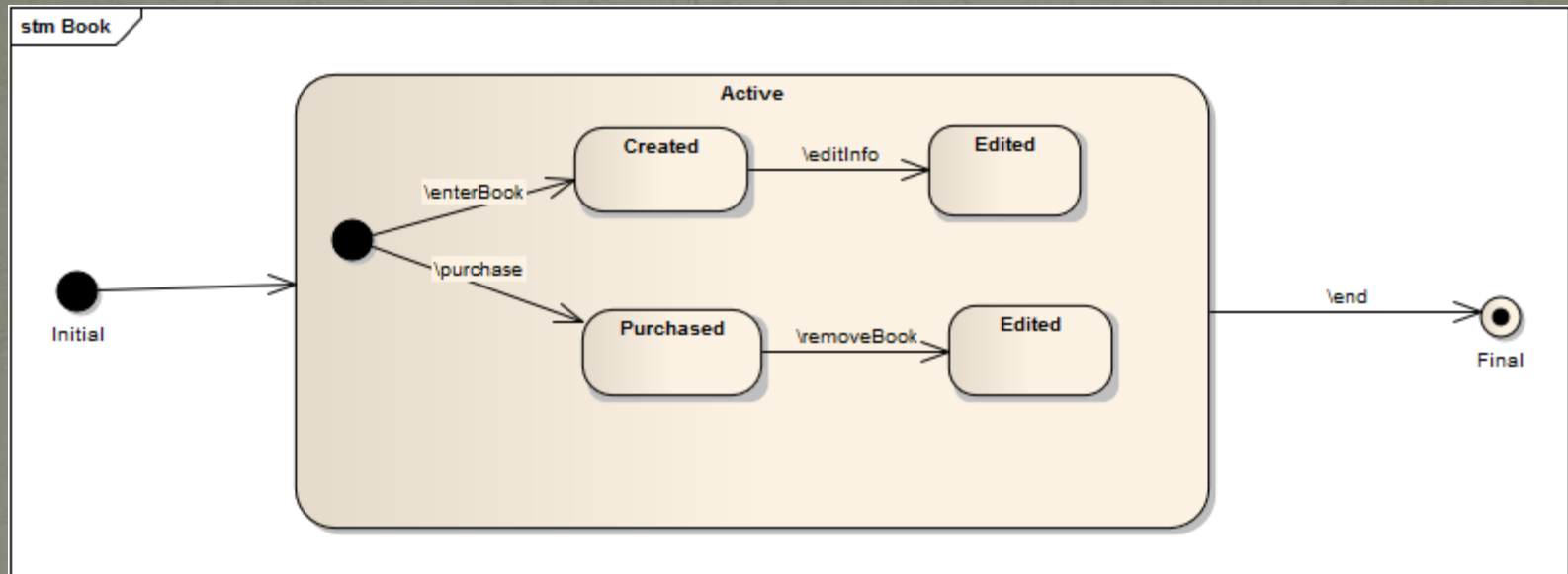
State Chart: User

Activity Diagram 4.1: User Review
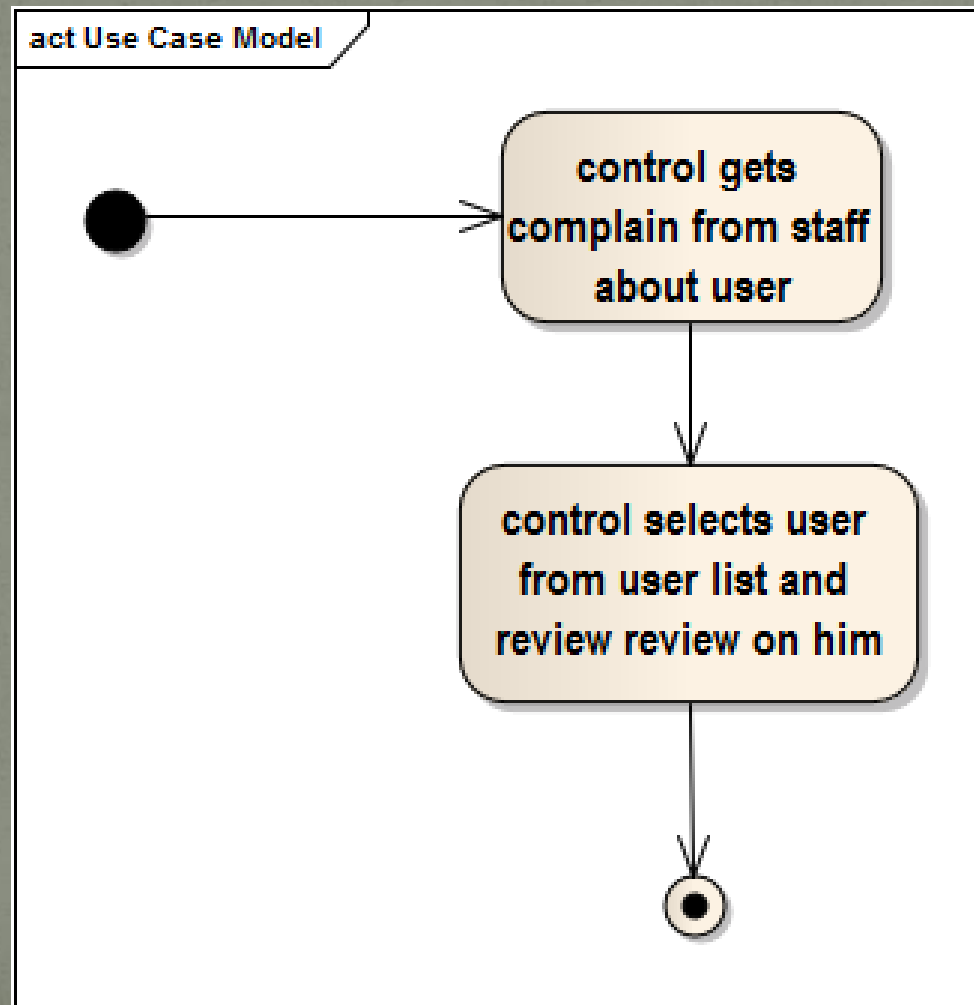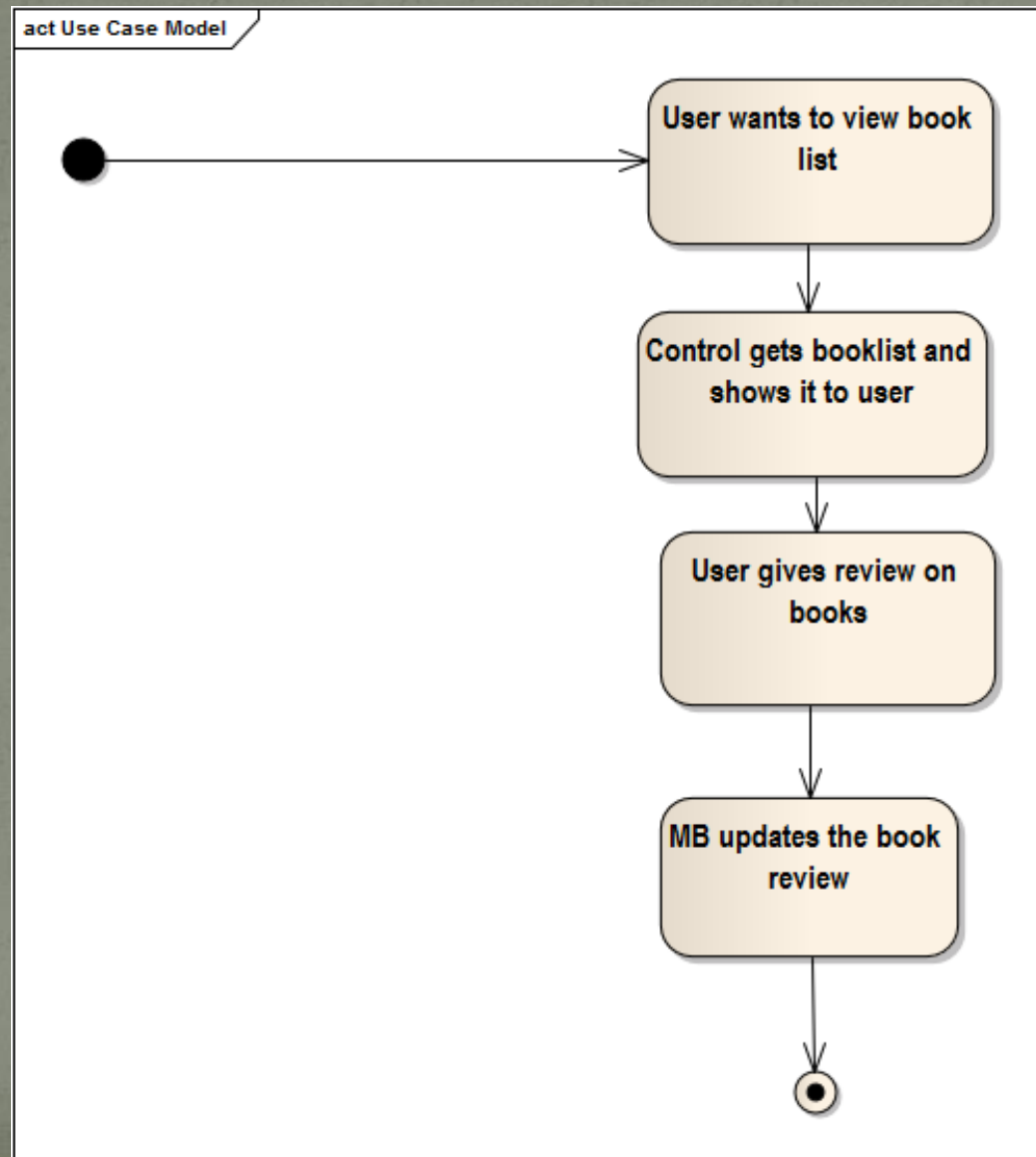
Sequence Diagram 4.2: Book Review
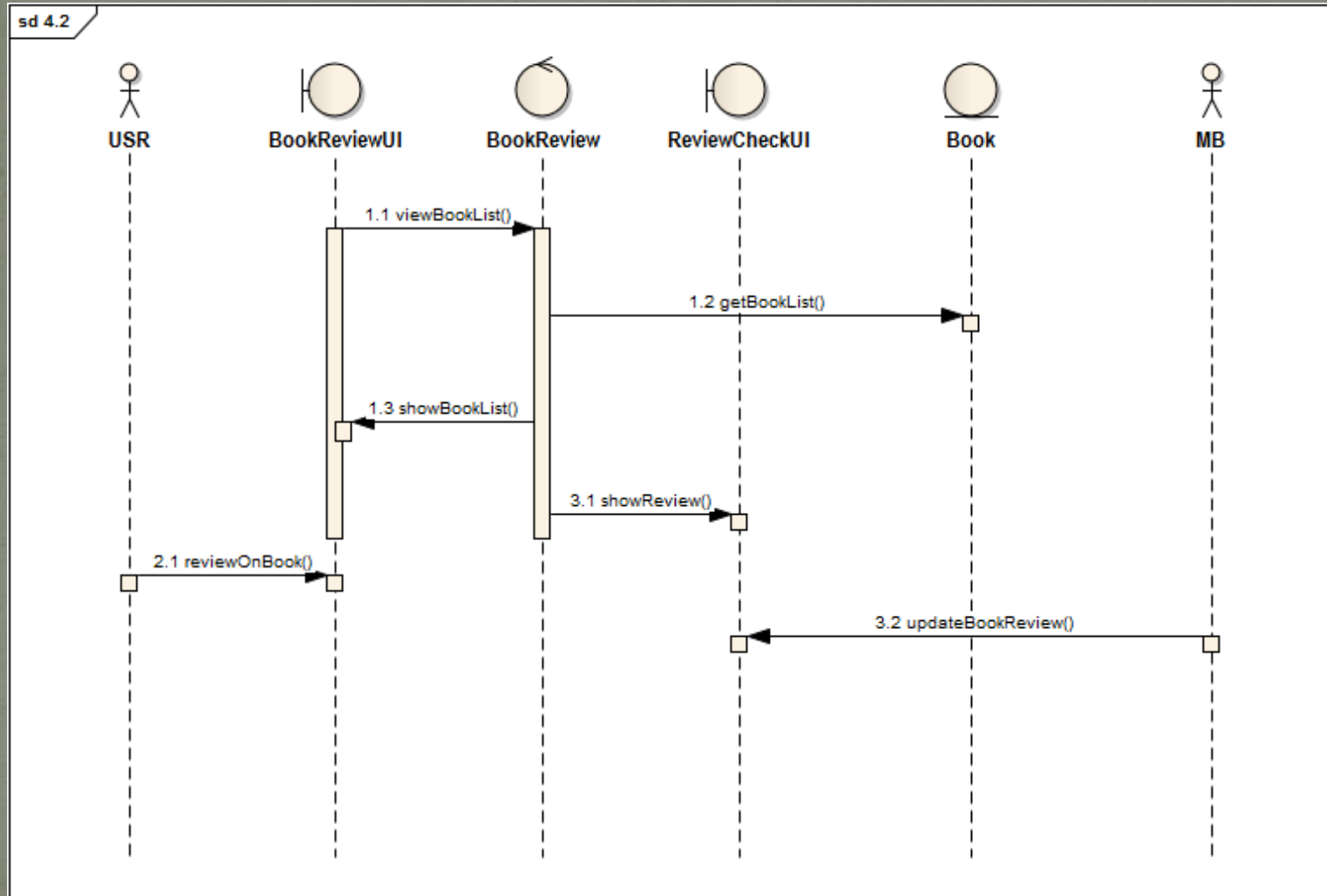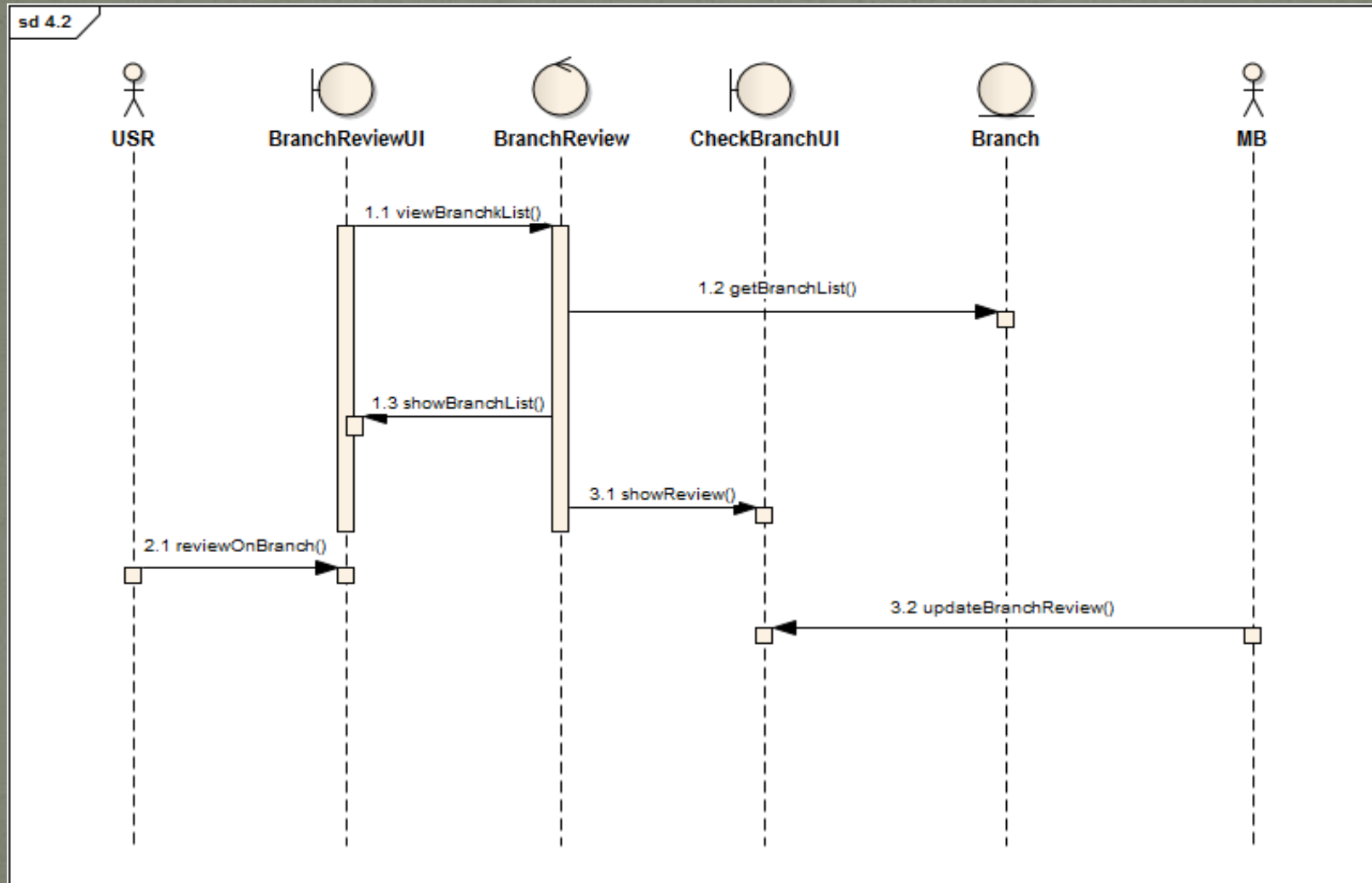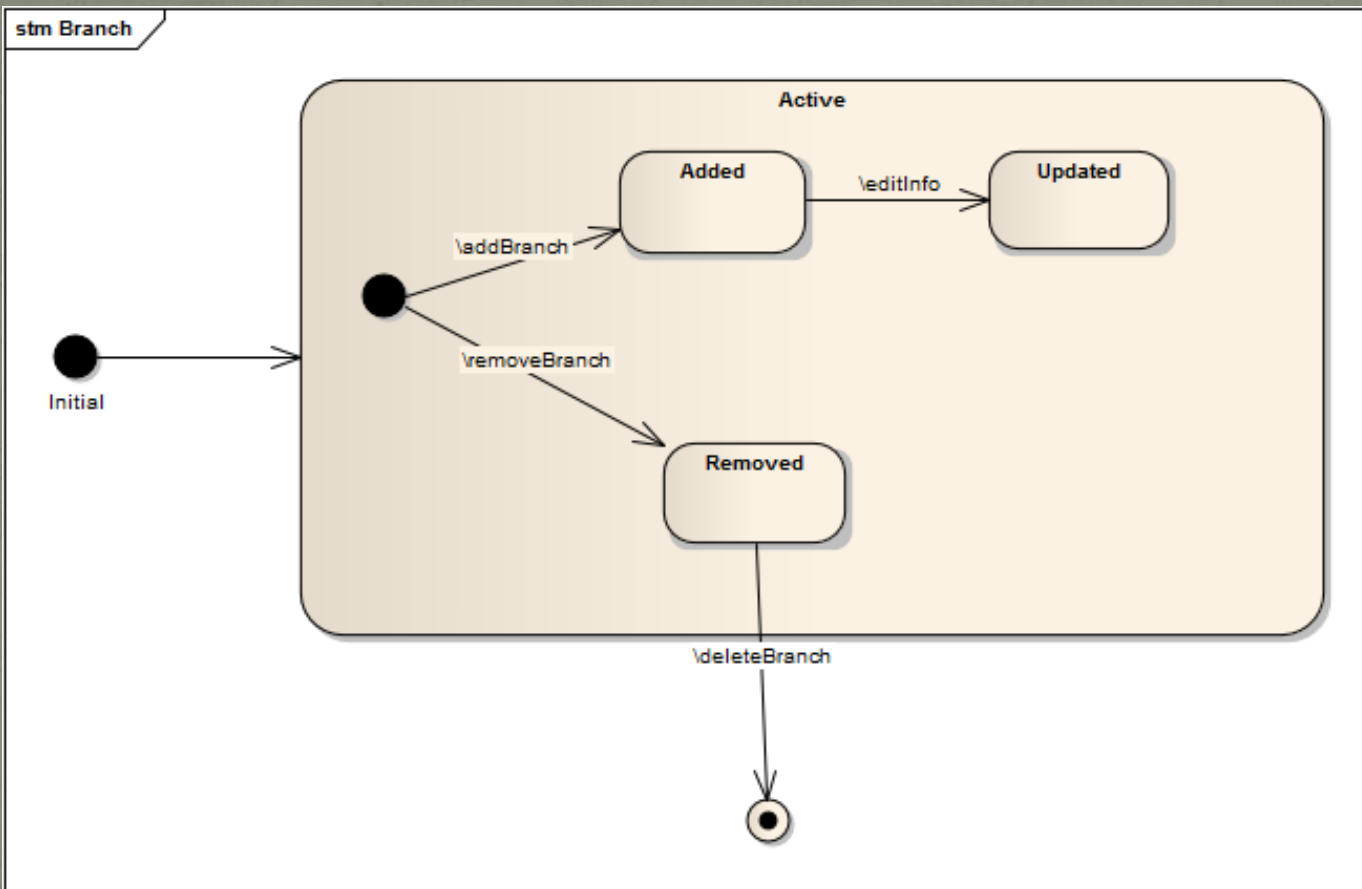
State Chart: Book

Activity Diagram 4.2: Book Review

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Sequence Diagram 4.3: Branch Review

State Chart: Branch

Activity Diagram 4.3: Branch Review

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