

eBook Shop

Class and Collaboration Diagram

Group: 03

Student ID's:

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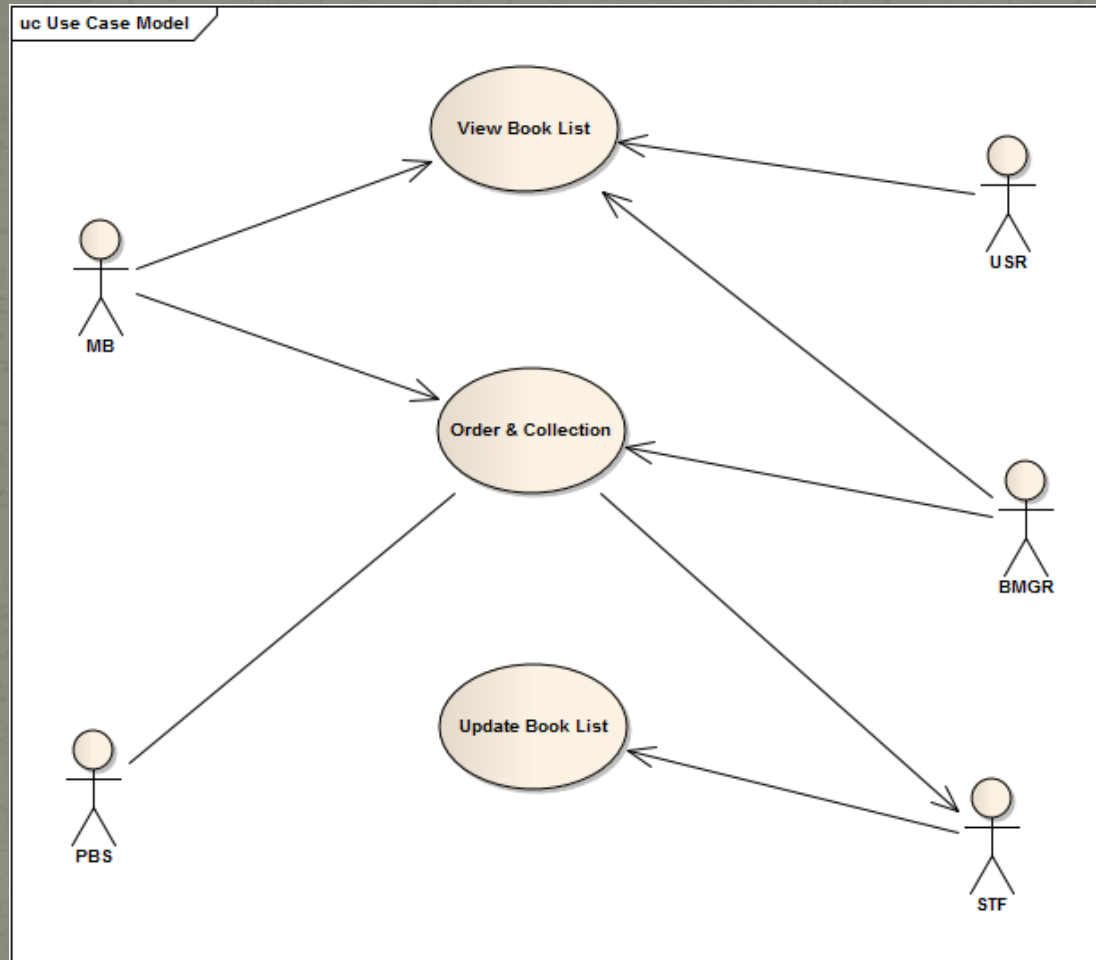
Outline of the presentation

- ❑ Subsystems
- ❑ Class Diagrams(use-case wise)
- ❑ Collaboration Diagrams(use-case wise)

Subsystems

- ❑ Book Inventory
- ❑ Order and Delivery
- ❑ Employee Management
- ❑ User and Branch Review

1. Book Inventory



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

Use-case 1.1: Order and Collection

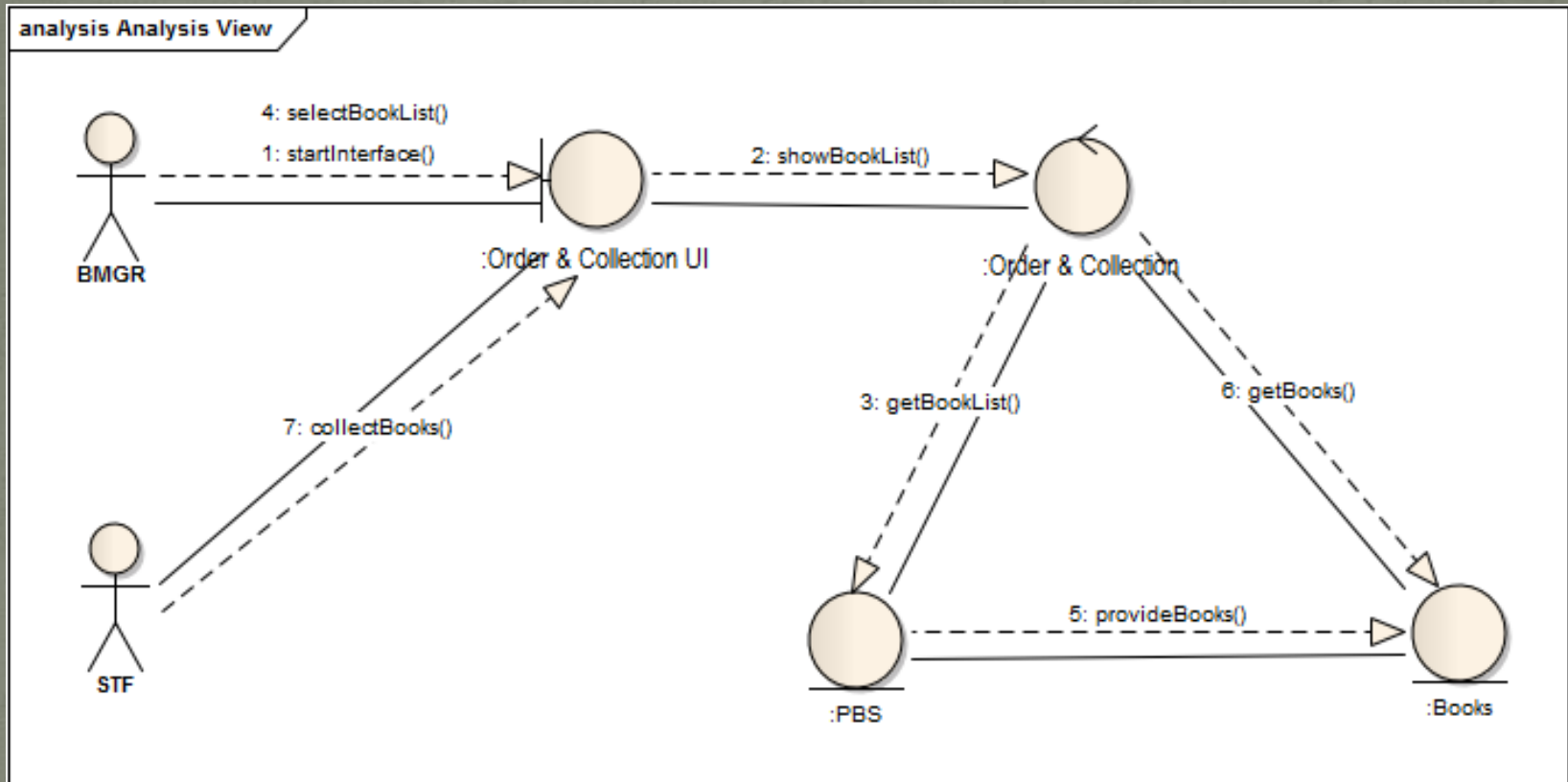


Fig: Collaboration Diagram

Use-case 1.1: Order and Collection

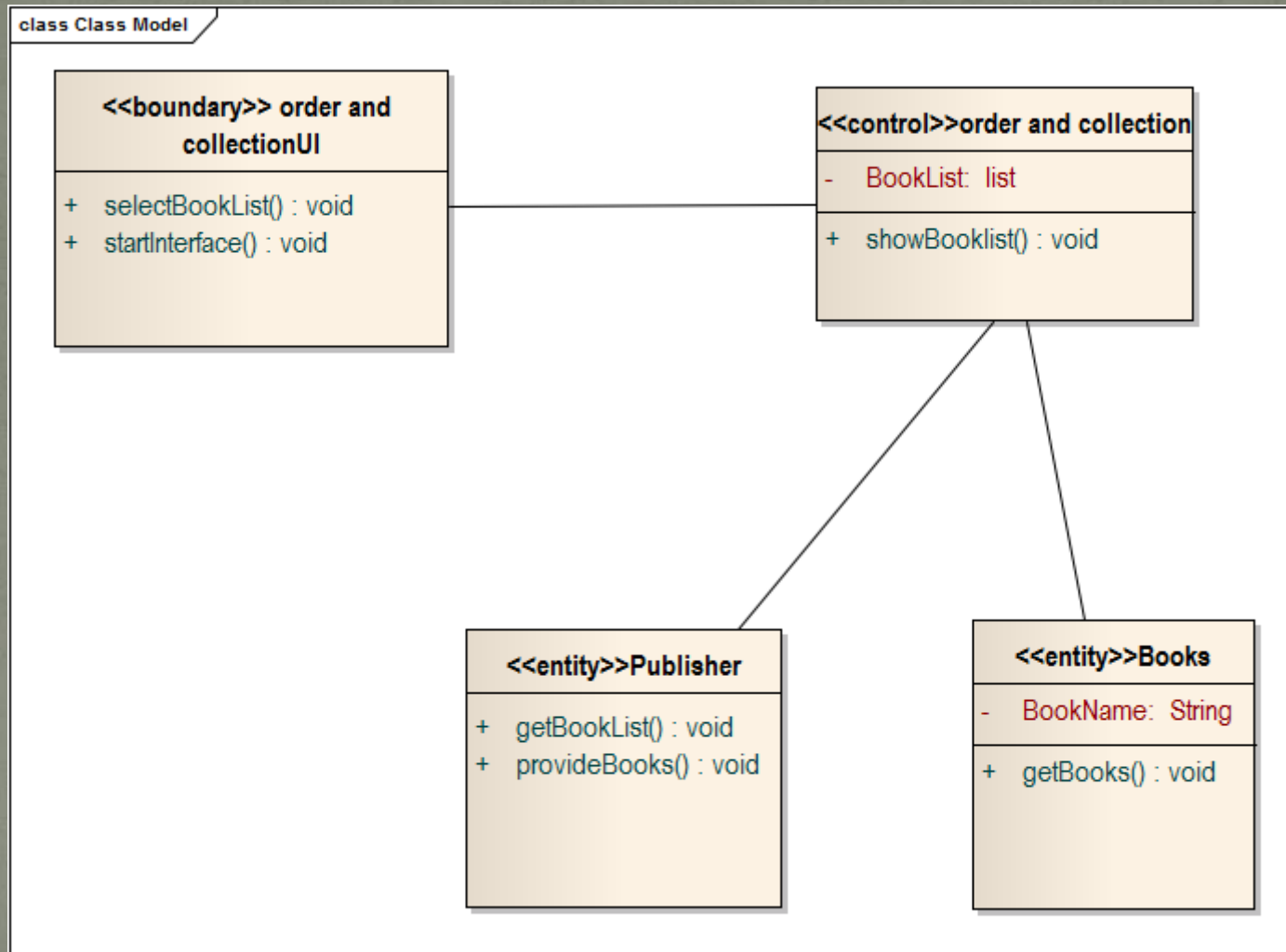


Fig: Class Diagram

Use-case 1.2: Update Book List

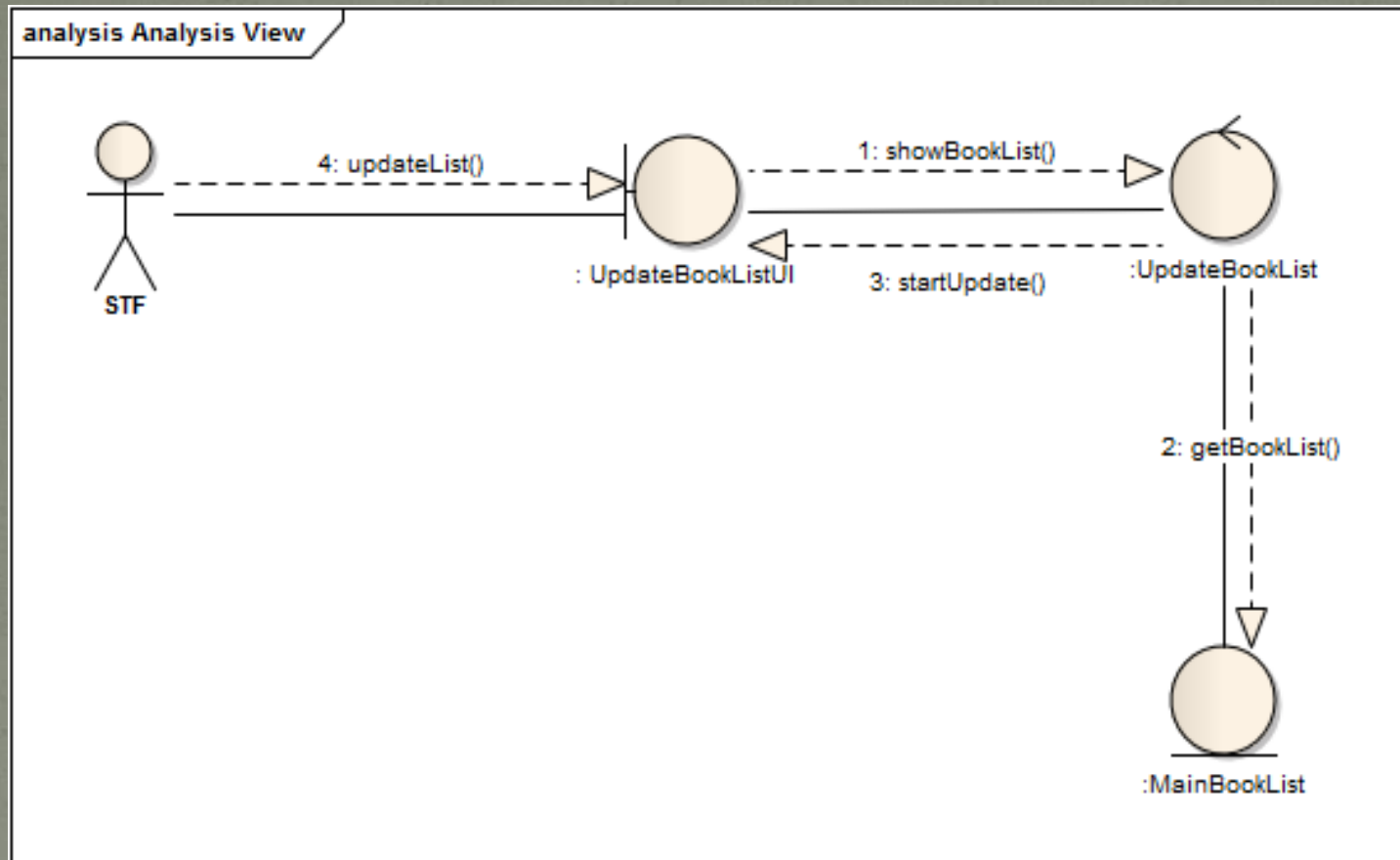


Fig: Collaboration Diagram

Use-case 1.2: Update Book List

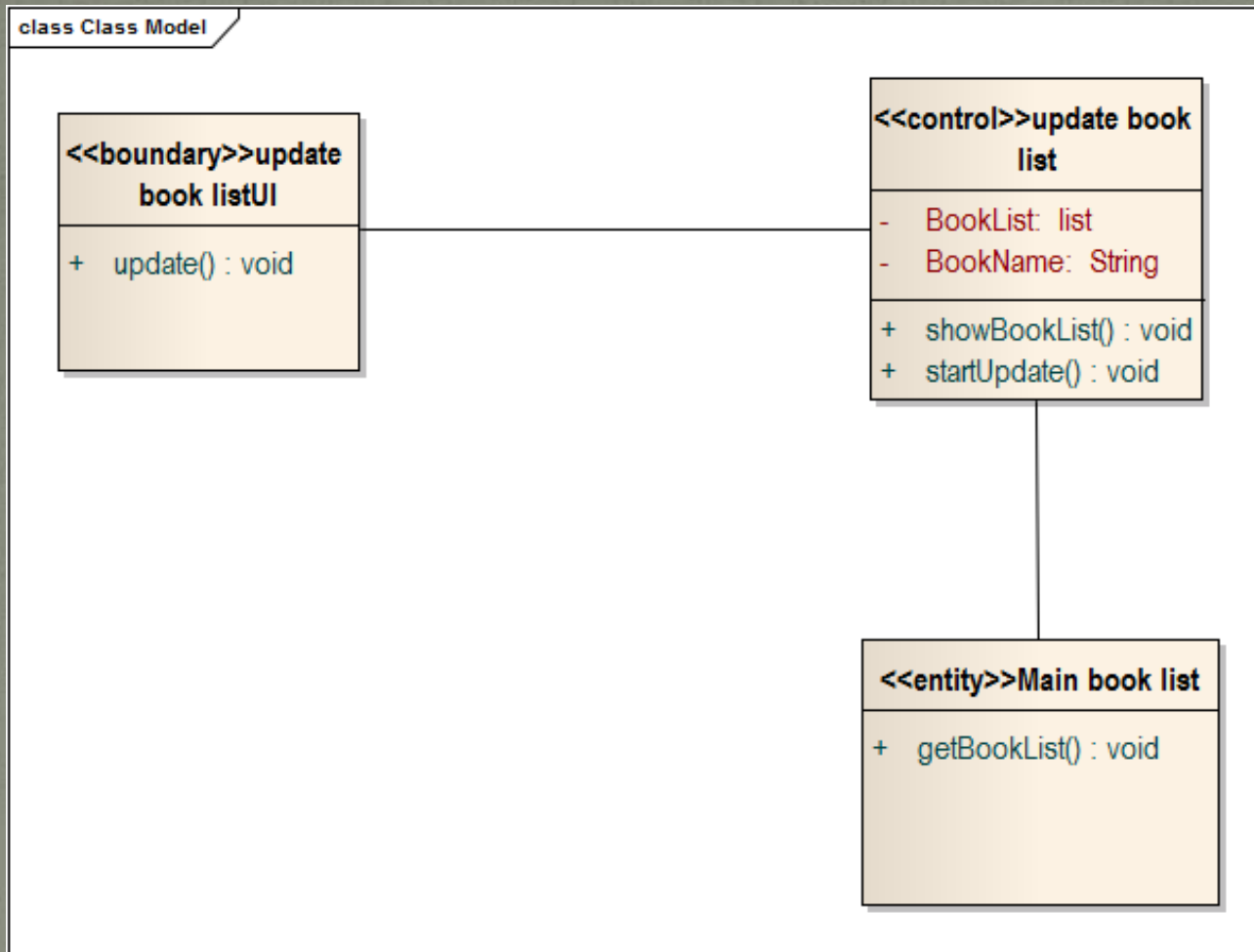


Fig: Class Diagram

Use Case 1.3: View Book List

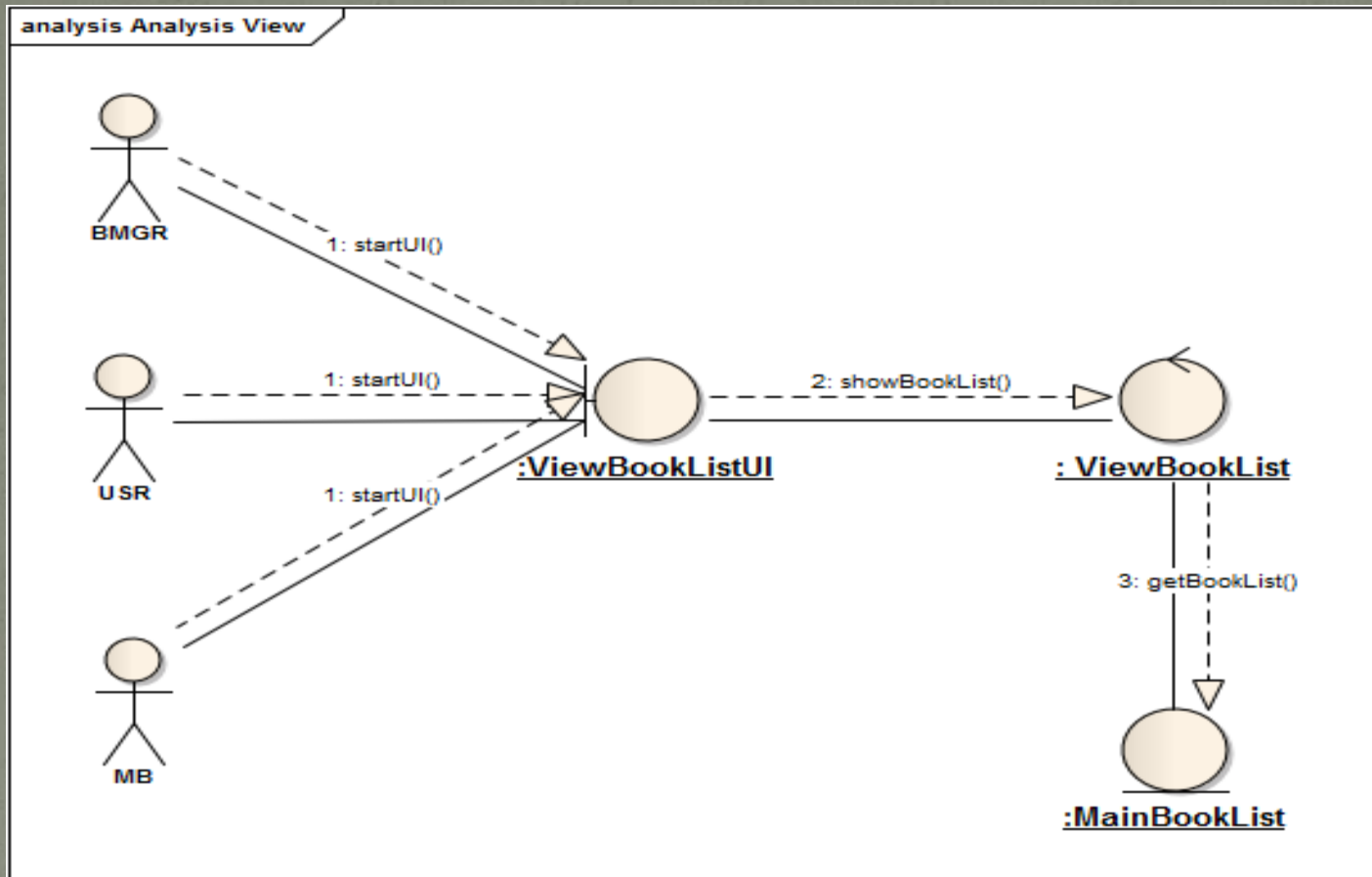


Fig: Collaboration Diagram

Use Case 1.3: View Book List

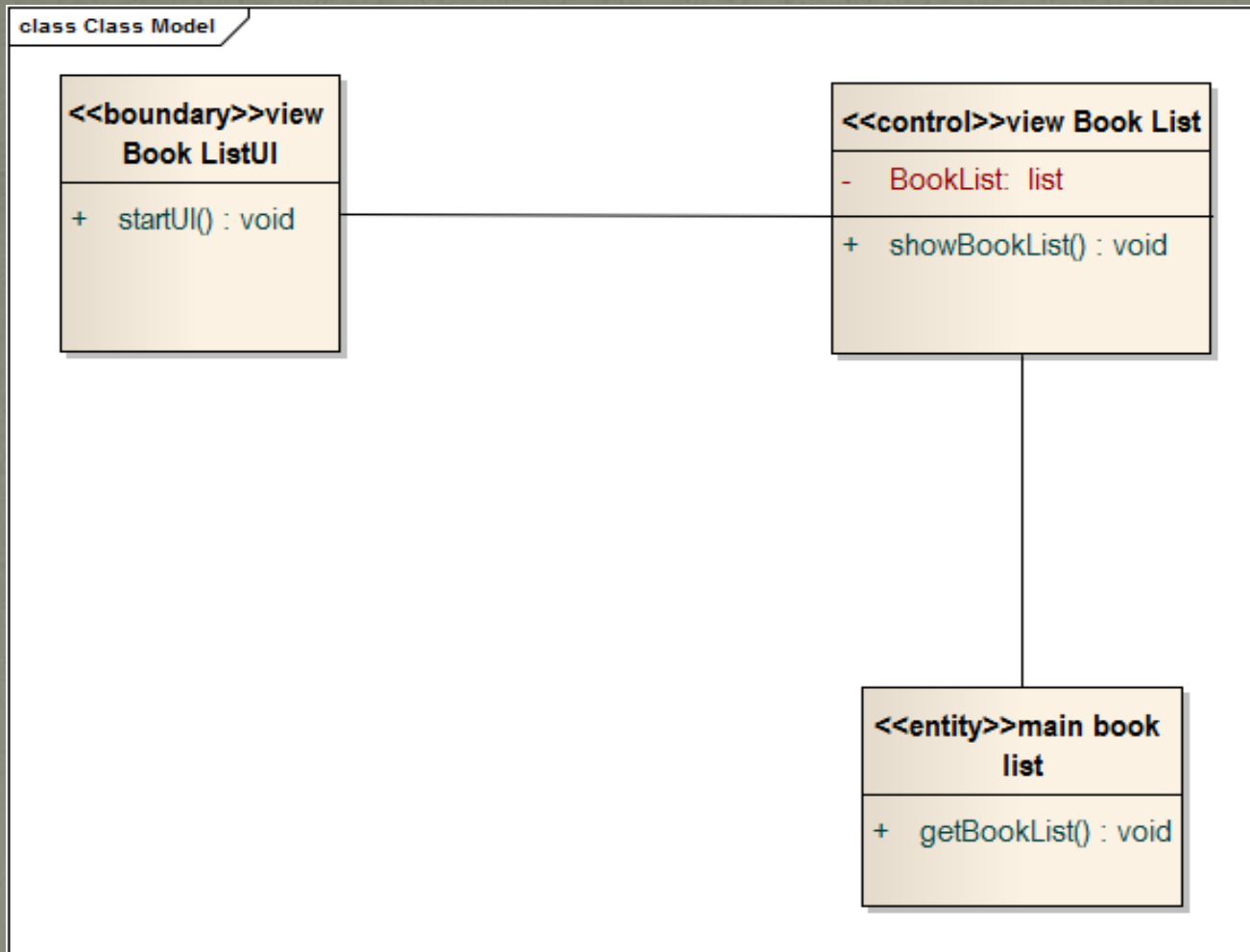
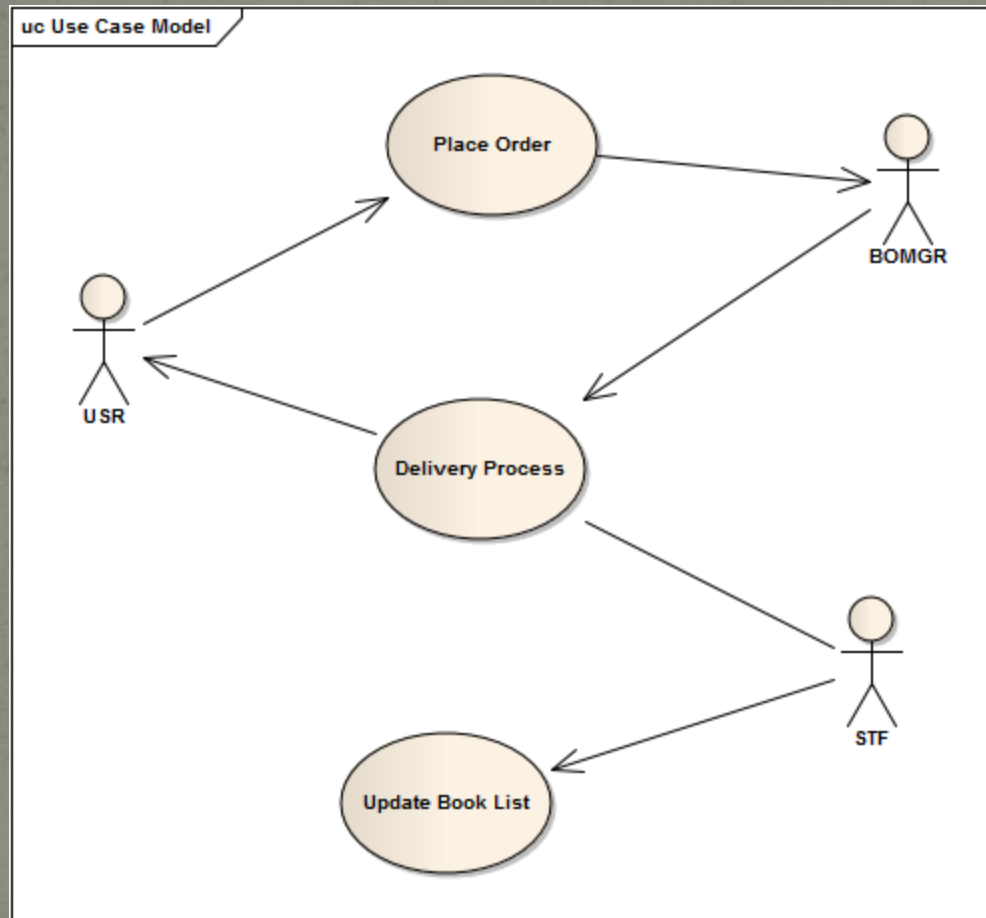


Fig: Class Diagram

2. Order and Delivery



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

Use Case 2.1: Place Order

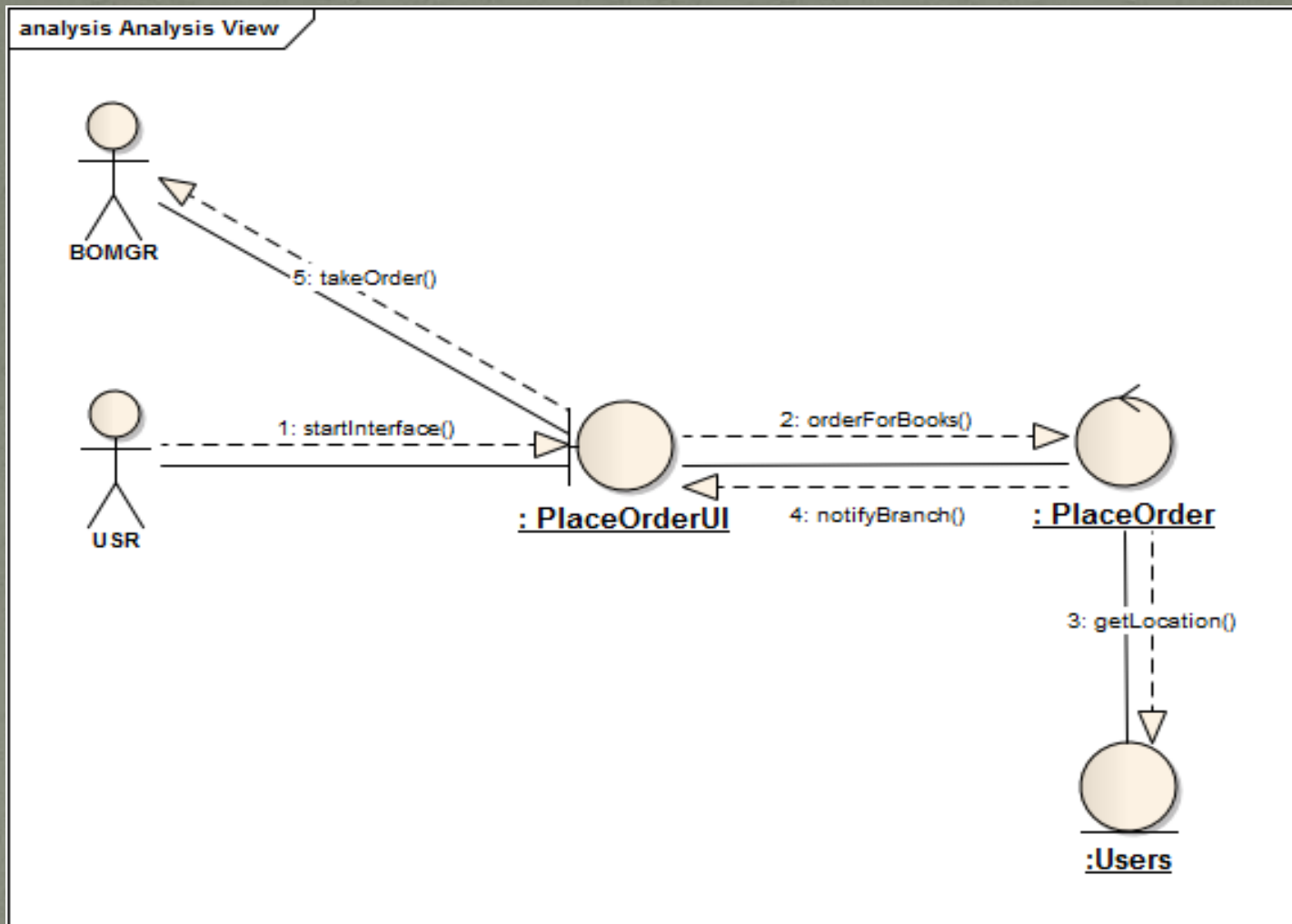


Fig: Collaboration Diagram

Use Case 2.1: Place Order

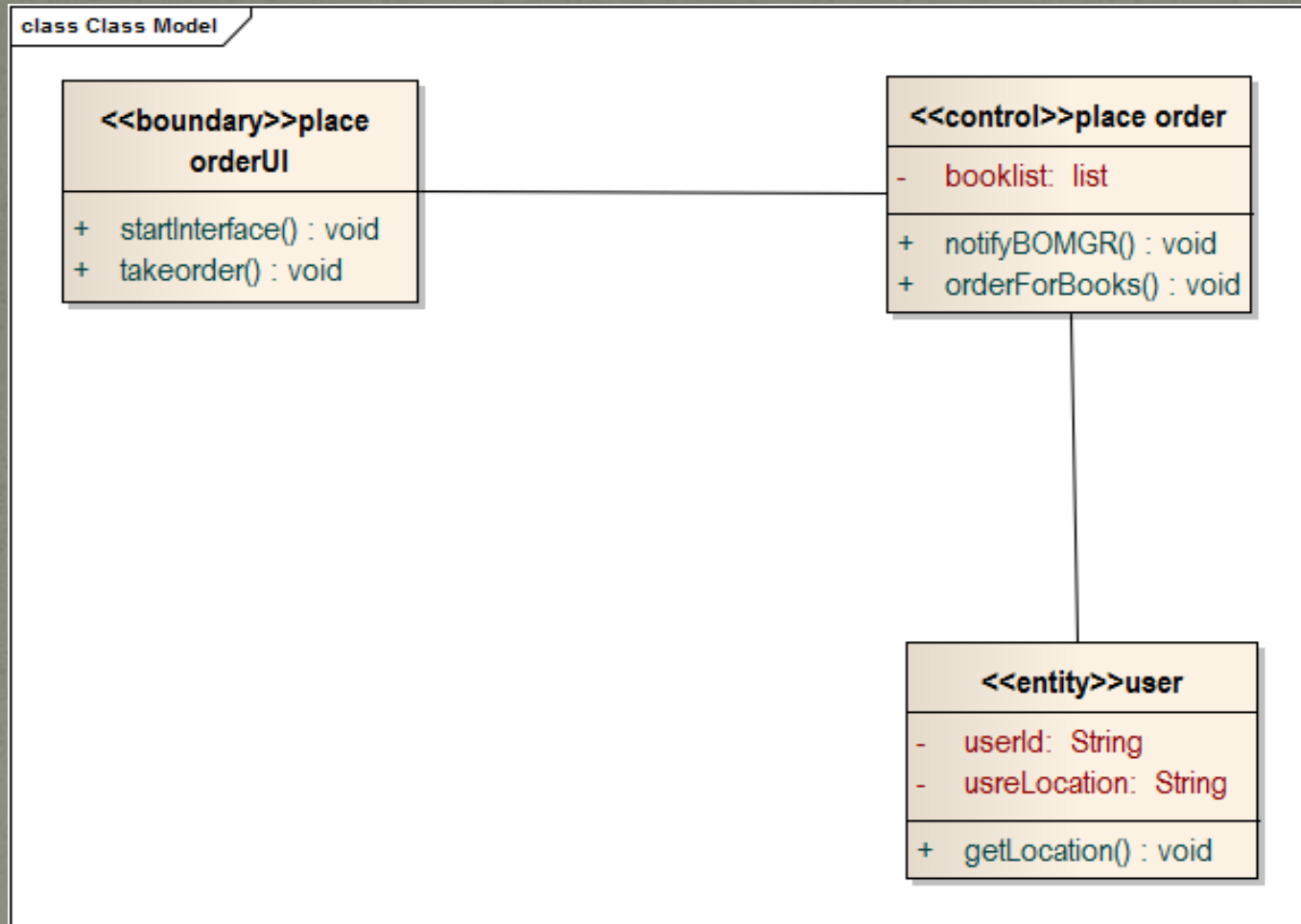


Fig: Class Diagram

Use Case 2.2: Delivery Process

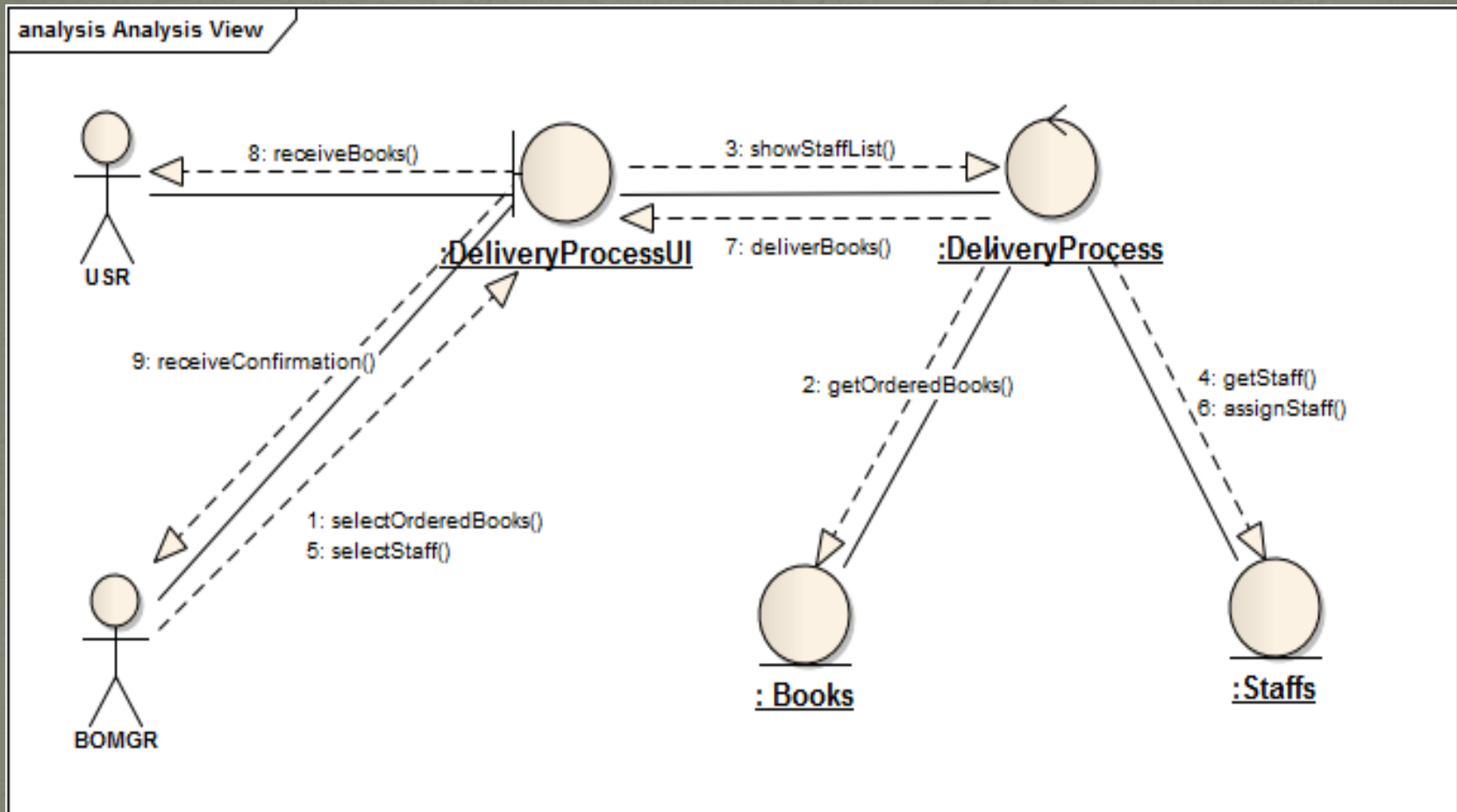


Fig: Collaboration Diagram

Use Case 2.2: Delivery Process

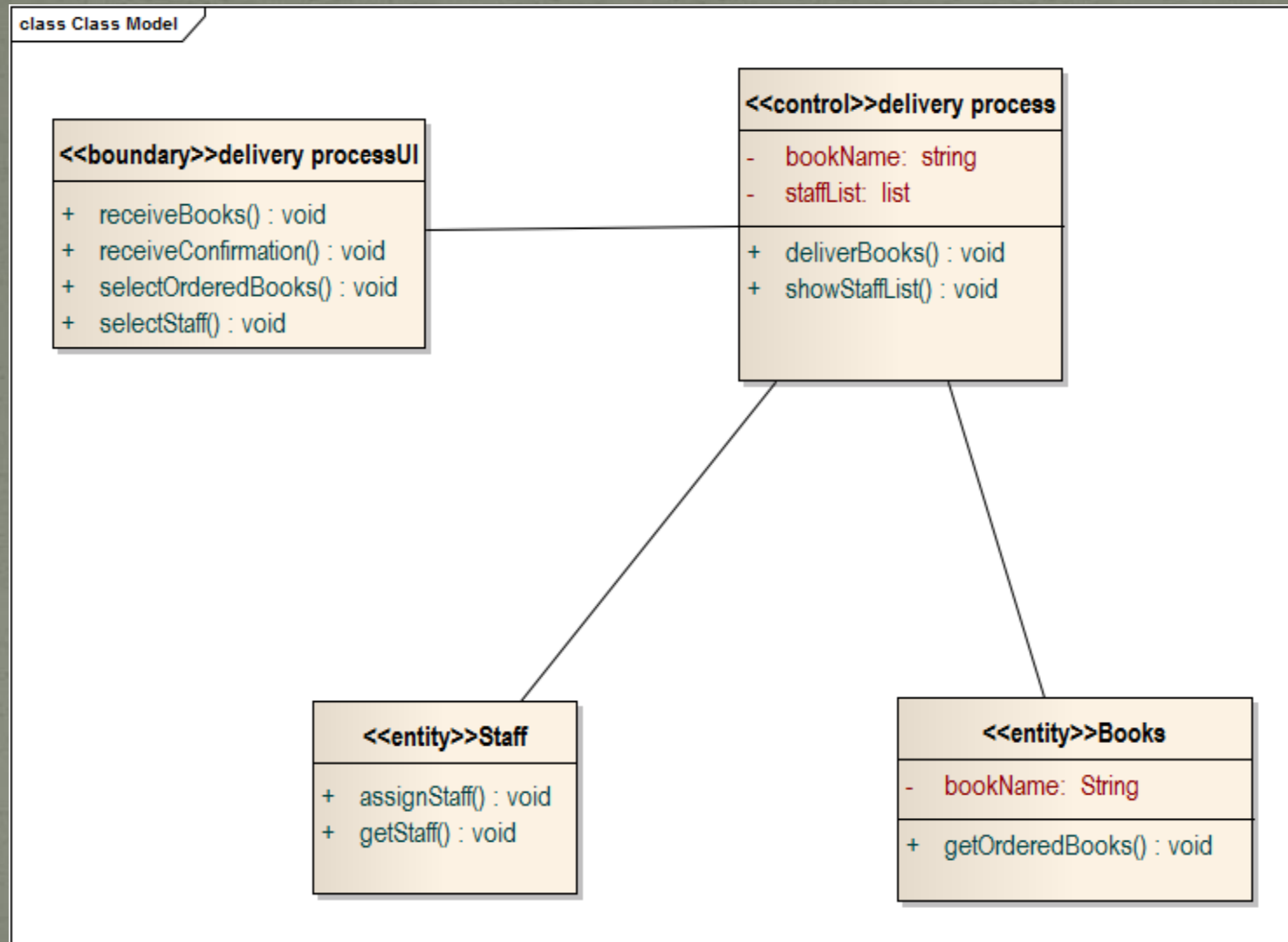


Fig: Class Diagram

Use Case 2.3: Update Book List

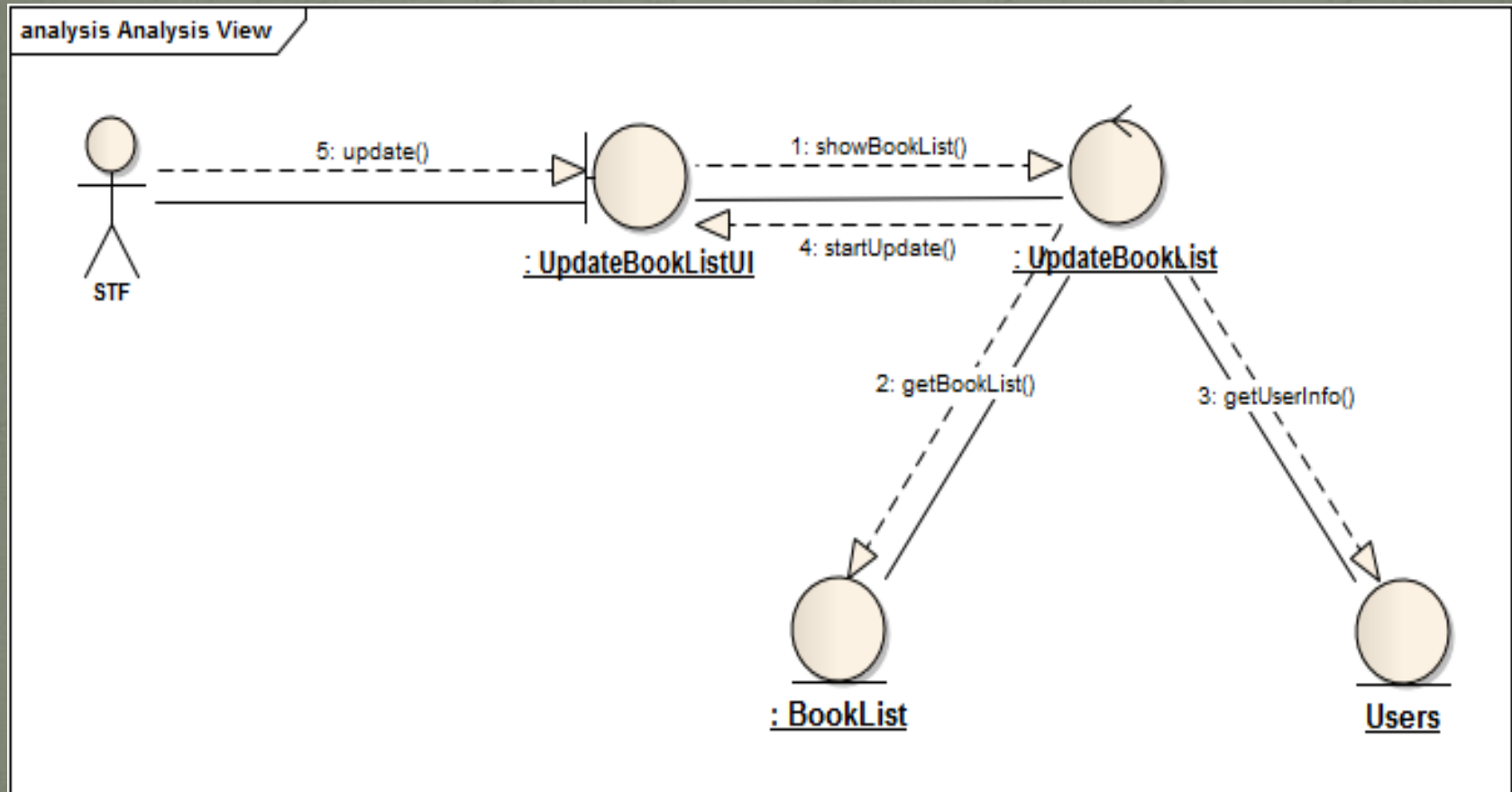


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Use Case 2.3: Update Book List

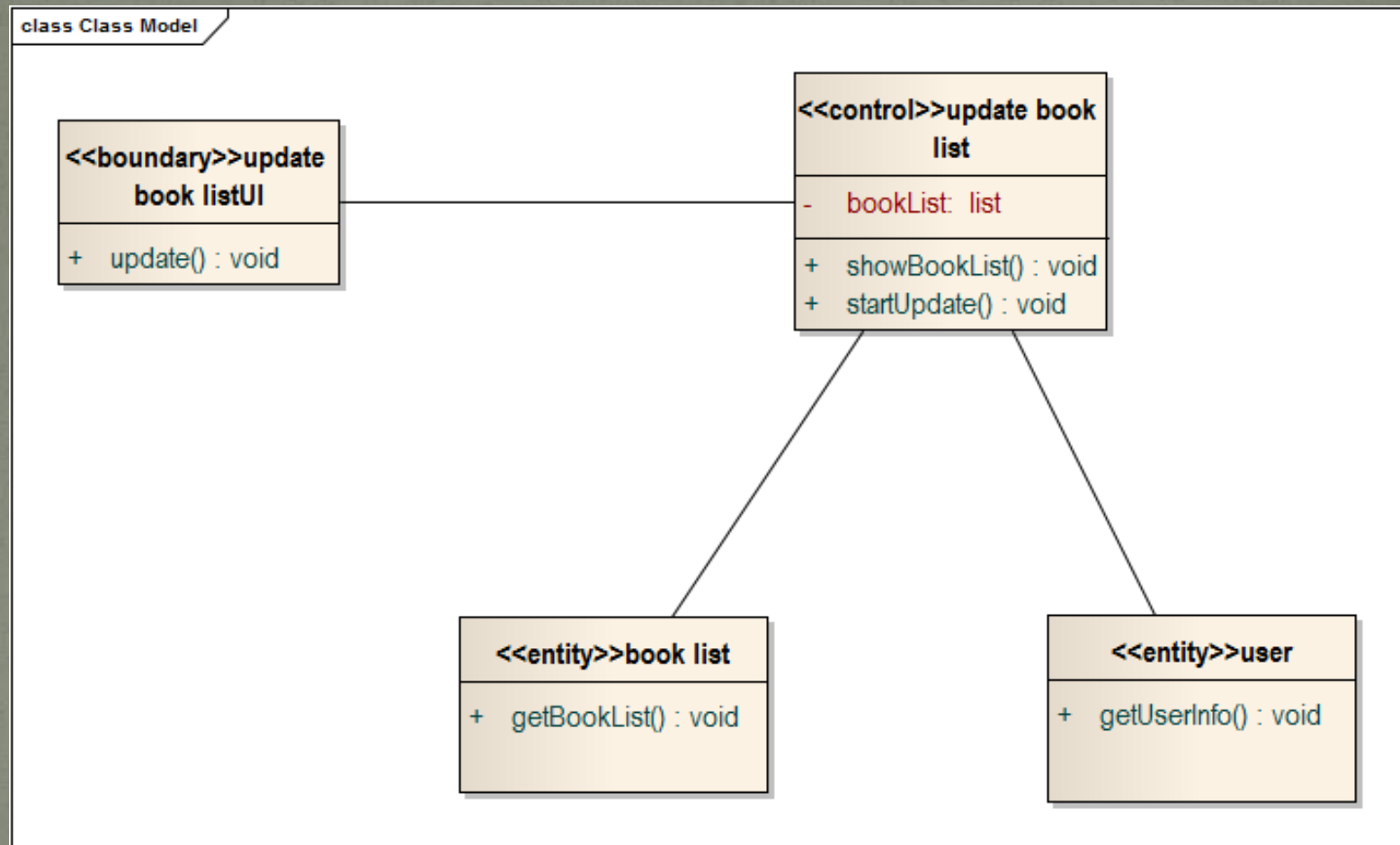
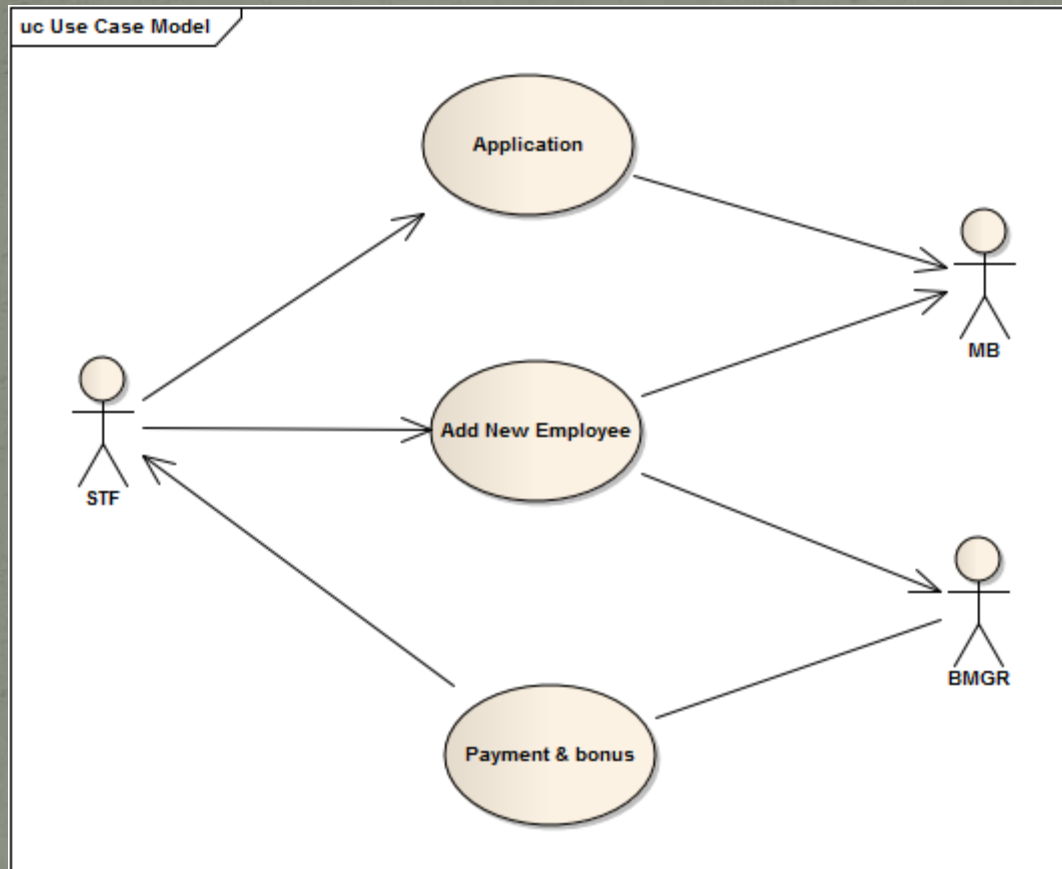


Fig: Class Diagram

3. Employee Management



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

Use Case 3.1: Add New Employee

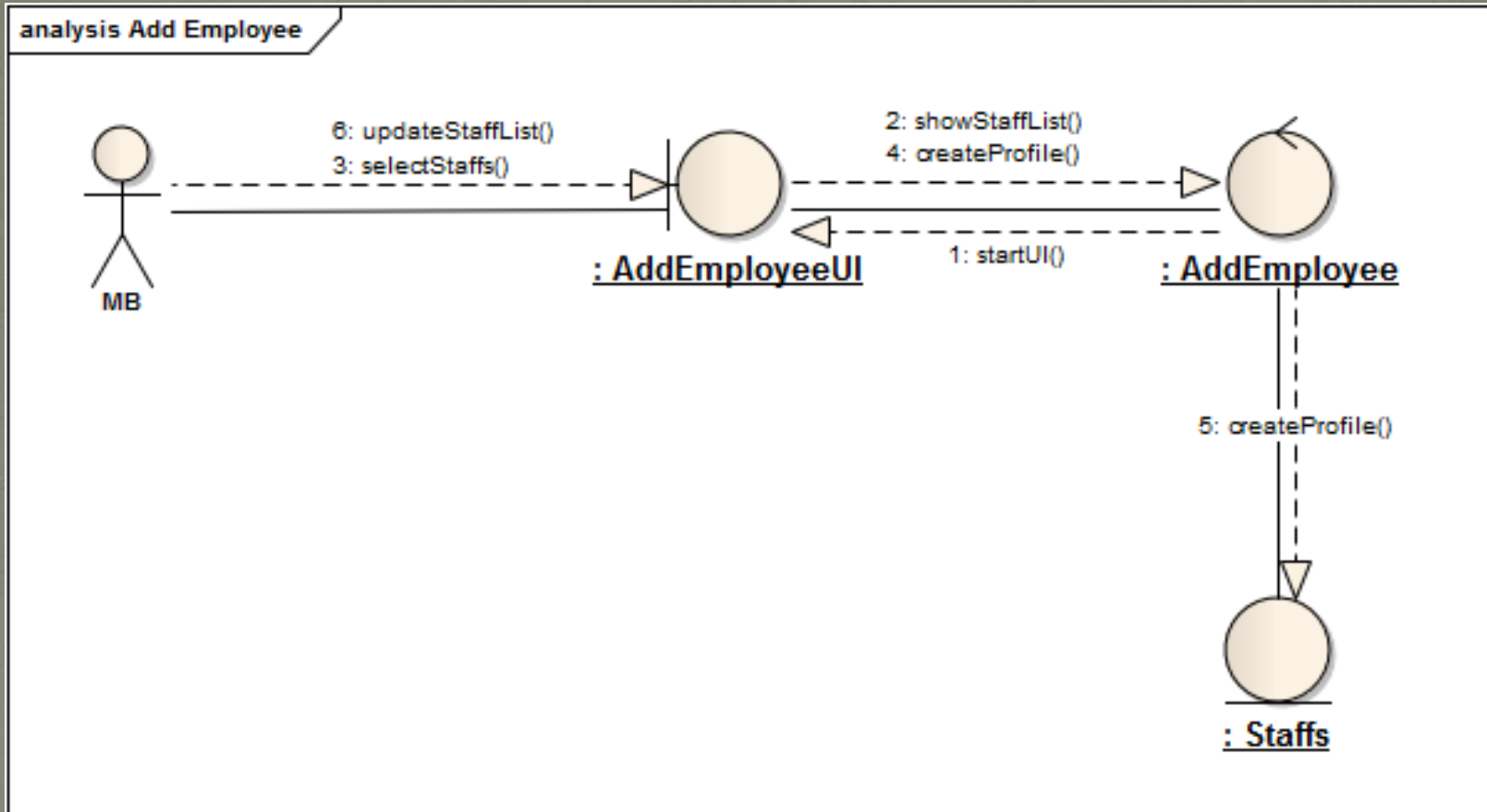


Fig: Collaboration Diagram

Use Case 3.1: Add New Employee

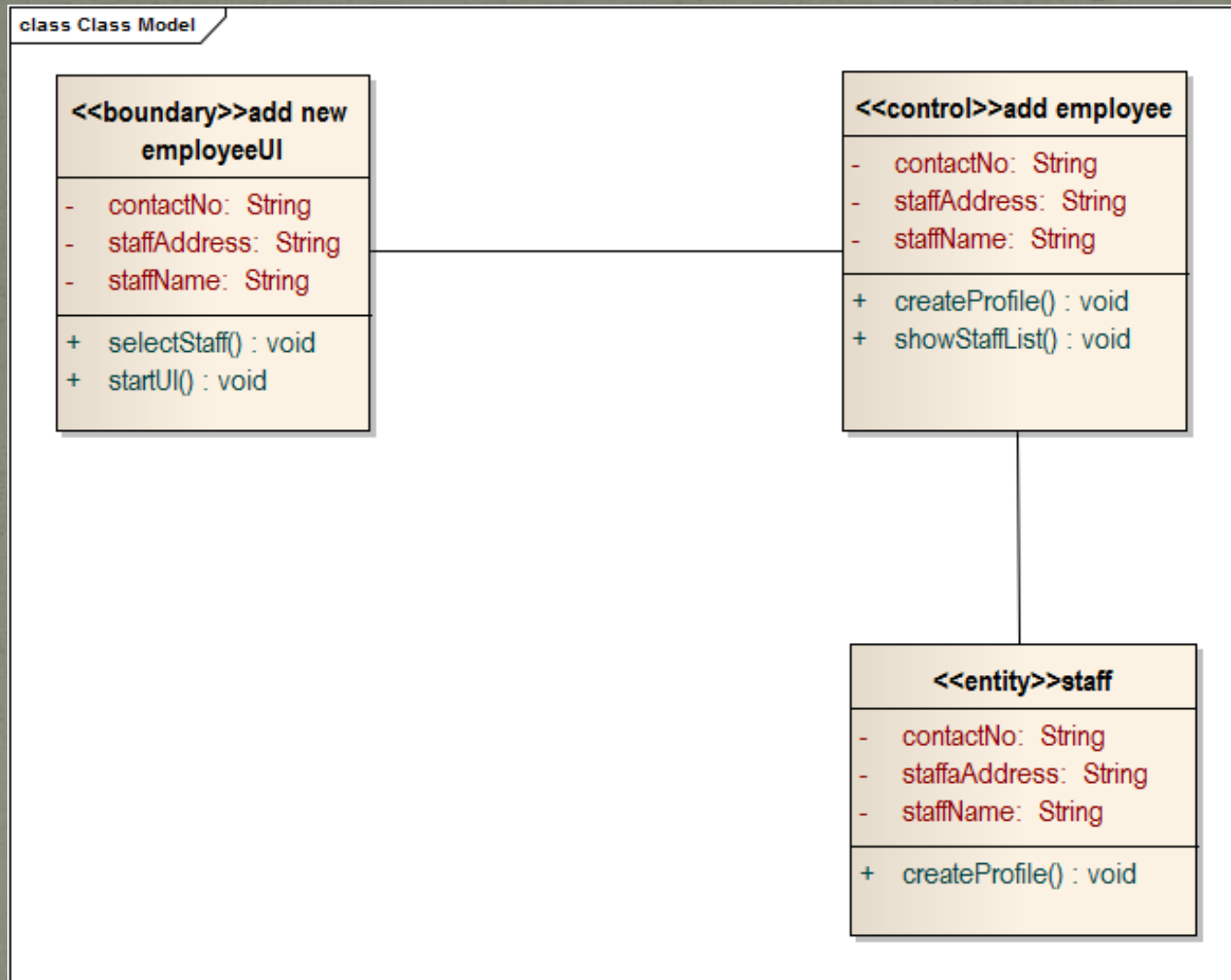


Fig: Class Diagram

Use Case 3.2: Application

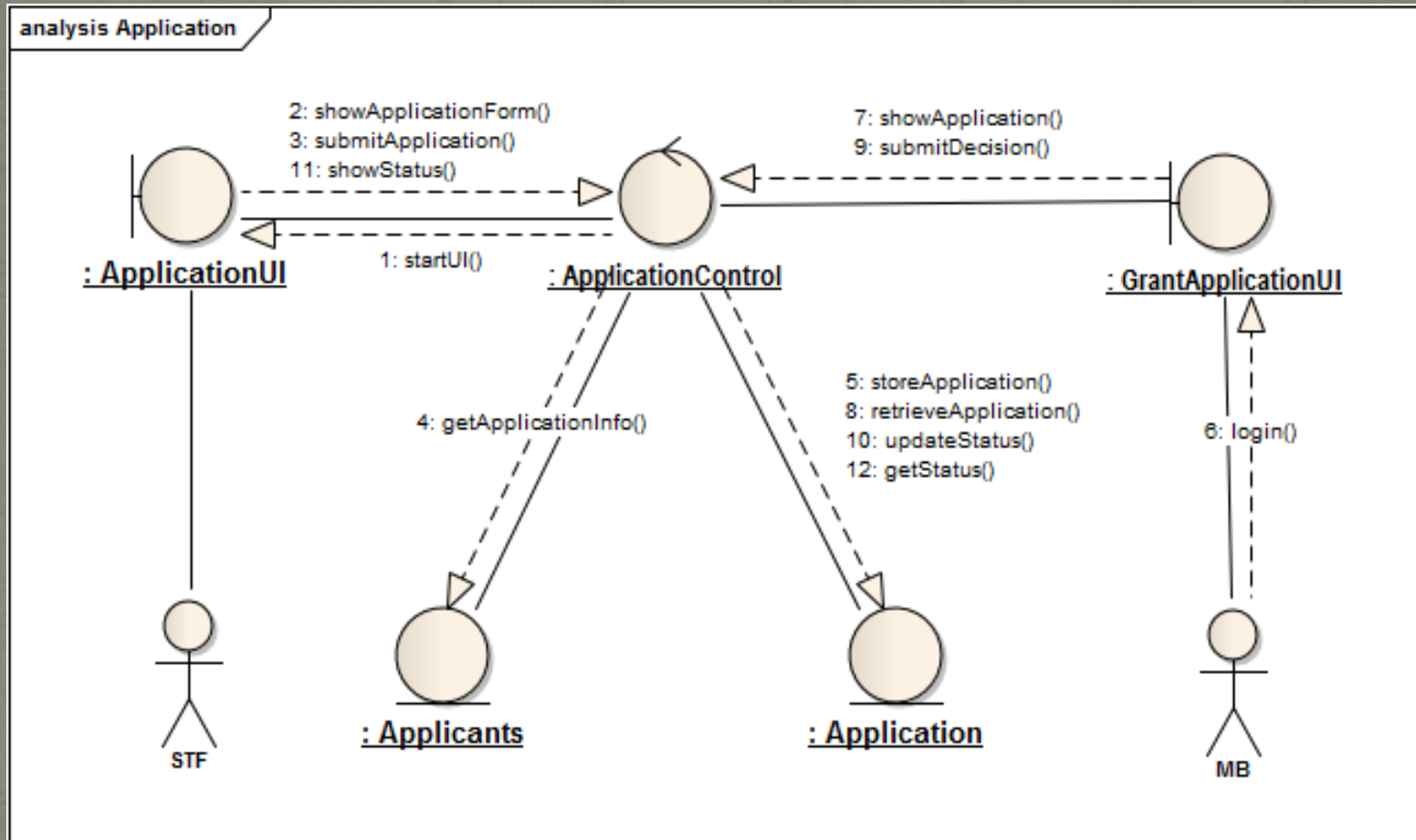


Fig: Collaboration Diagram

Use Case 3.2: Application

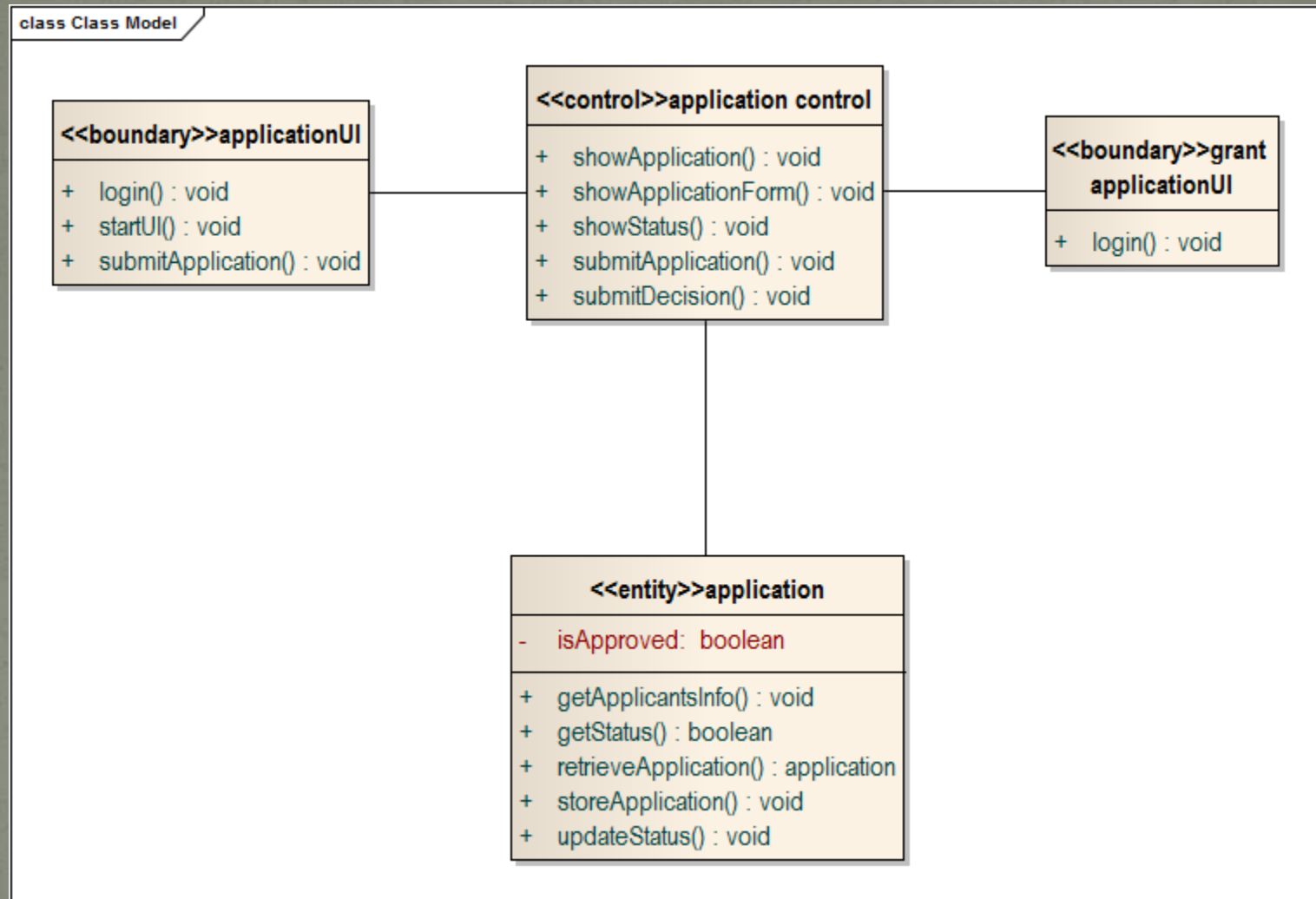


Fig: Class Diagram

Use Case 3.3: Payment and Bonus

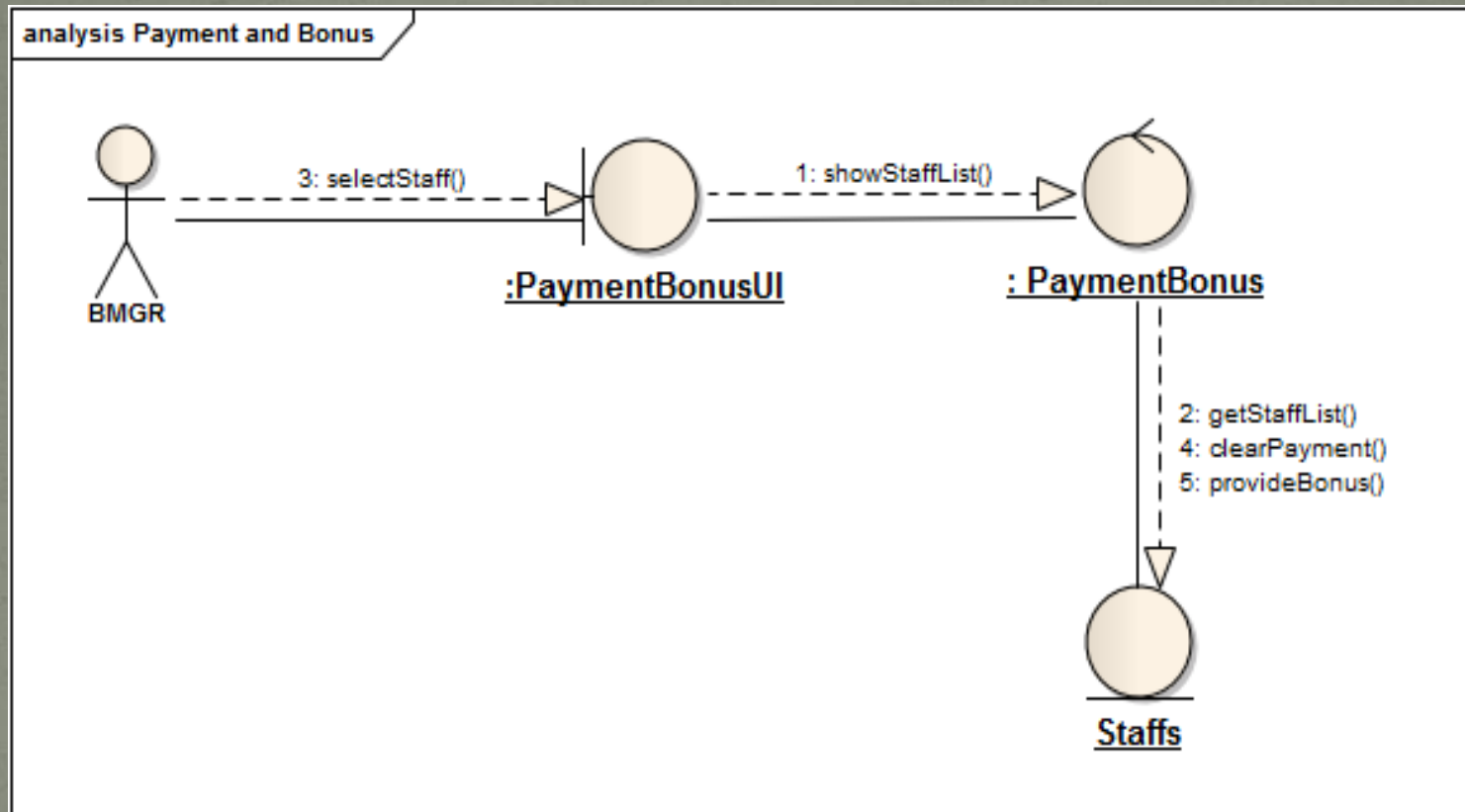


Fig: Collaboration Diagram

Use Case 3.3: Payment and Bonus

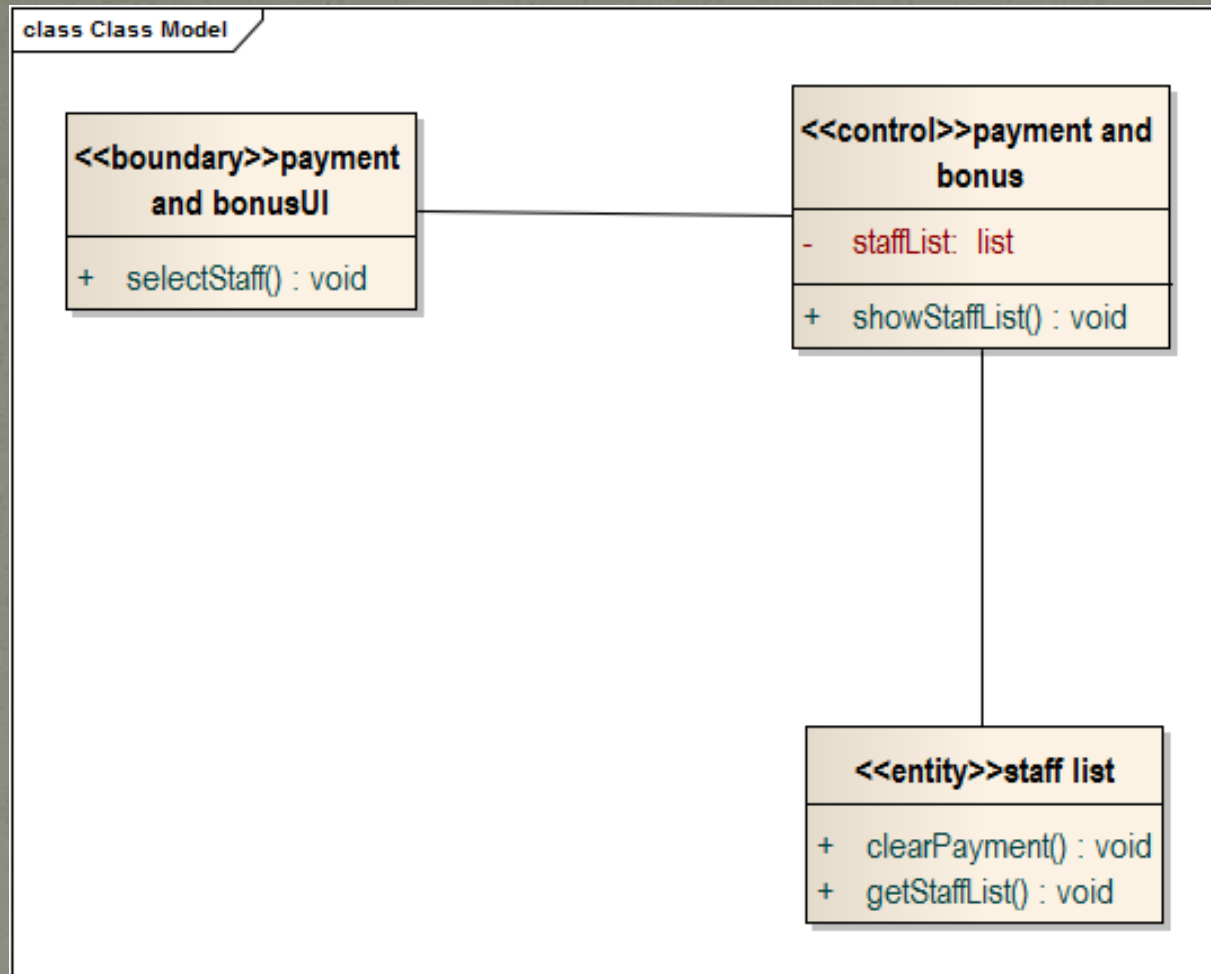
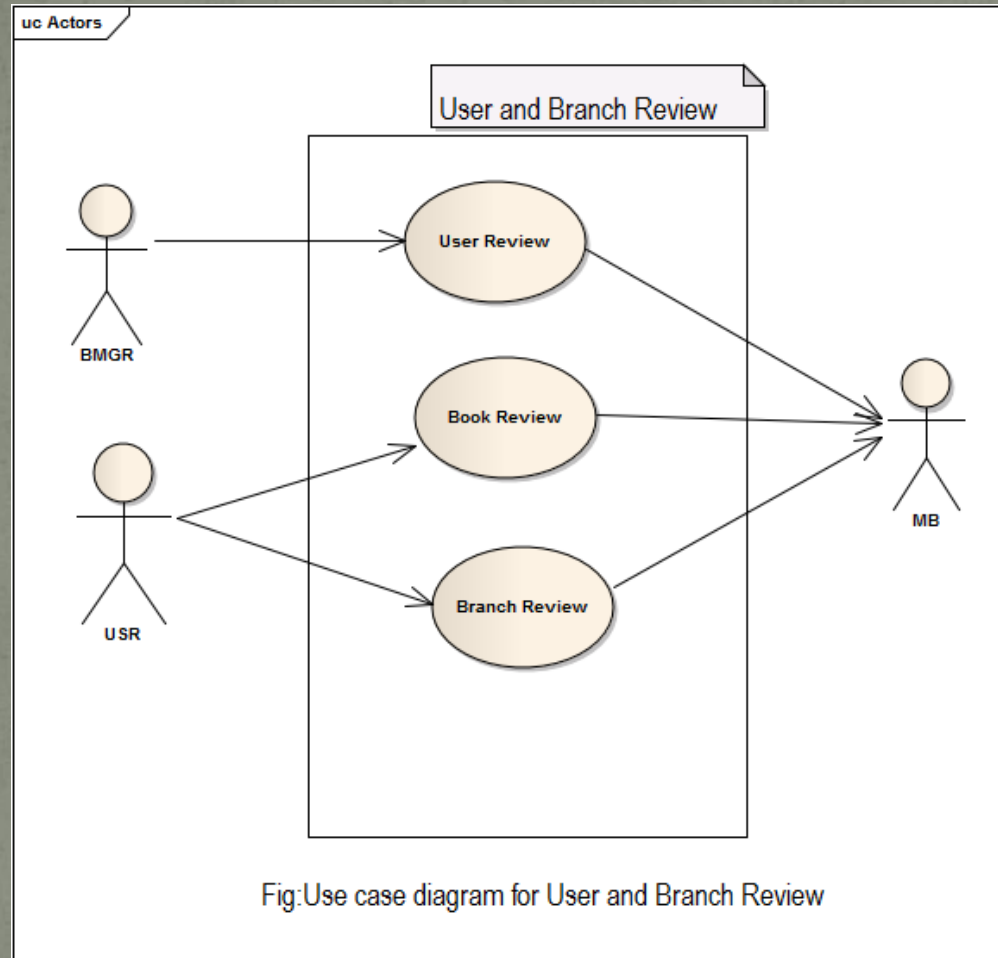


Fig: Class Diagram

4. User and Branch Review



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

Use Case 4.1: User Review

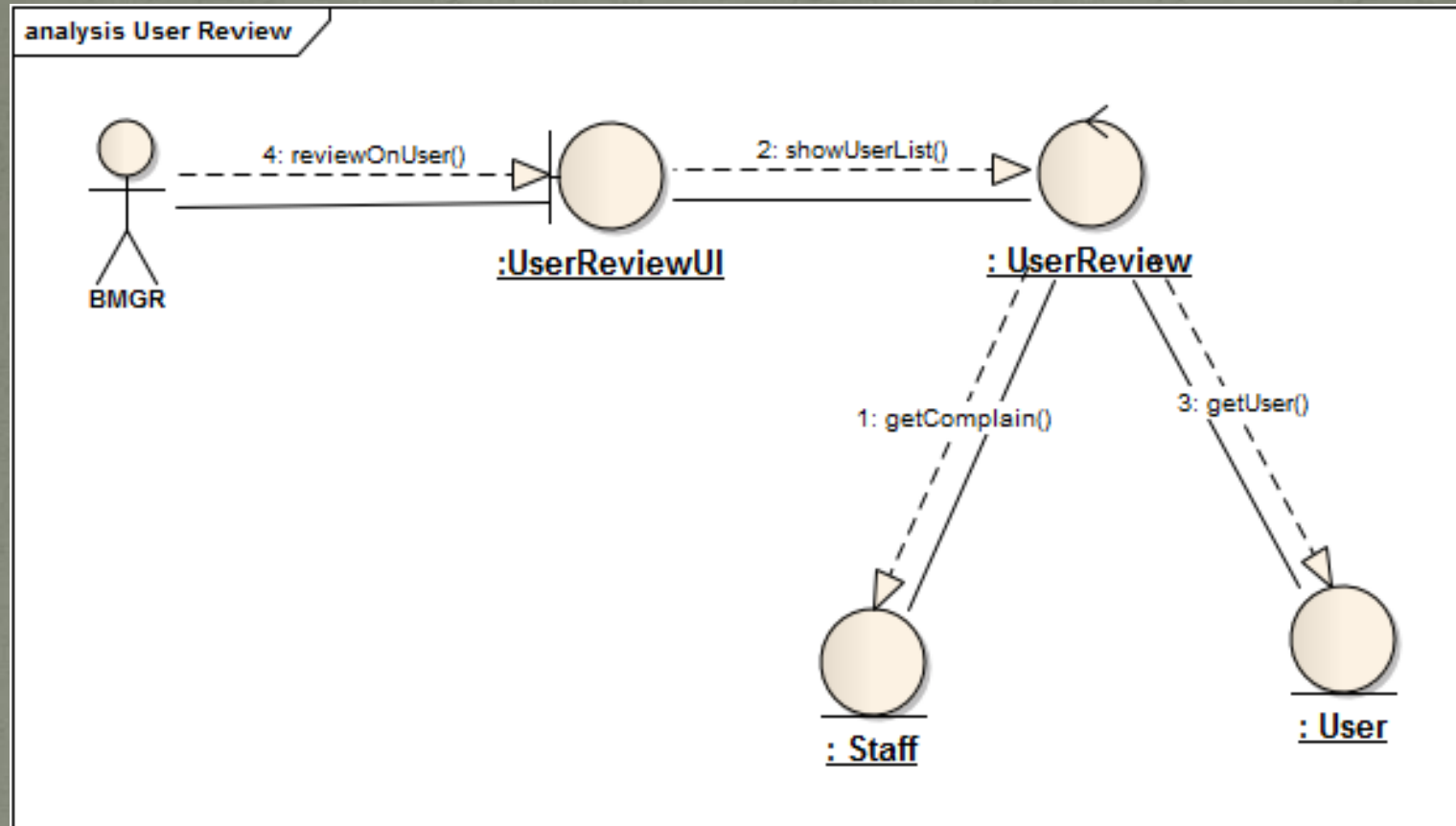


Fig: Collaboration Diagram

Use Case 4.1: User Review

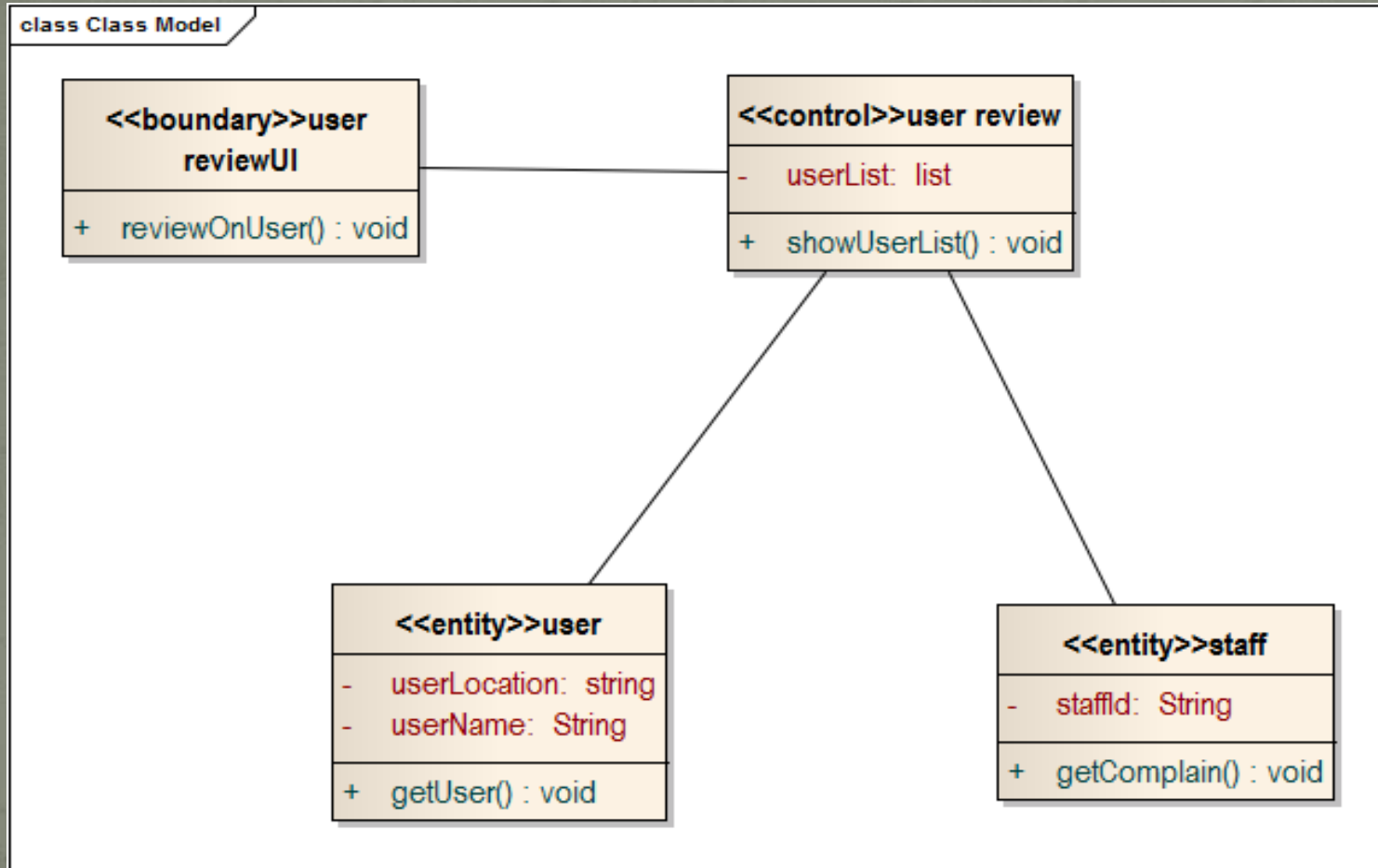


Fig: Class diagram

Use Case 4.2: Book Review

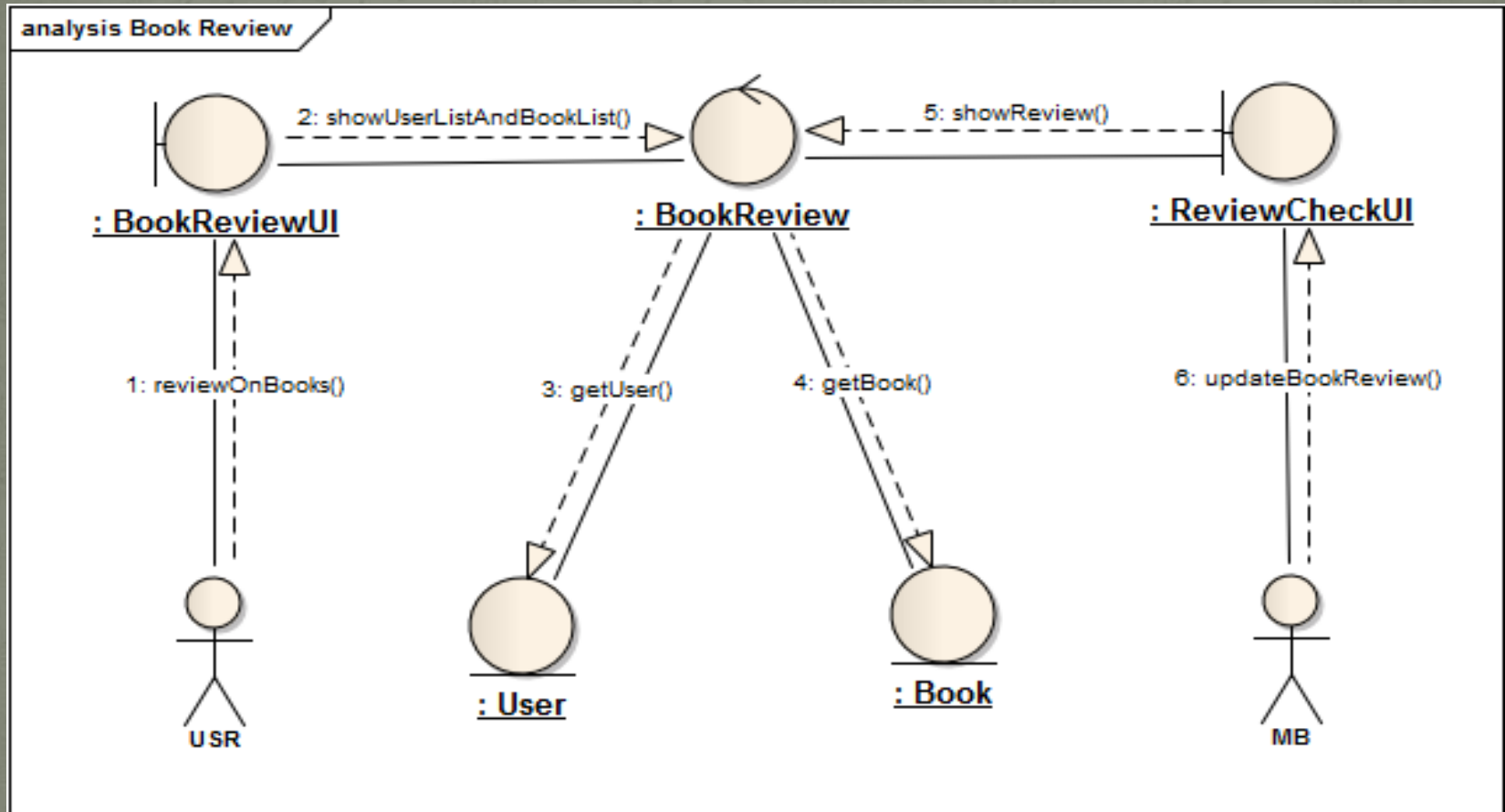


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Use Case 4.2: Book Review

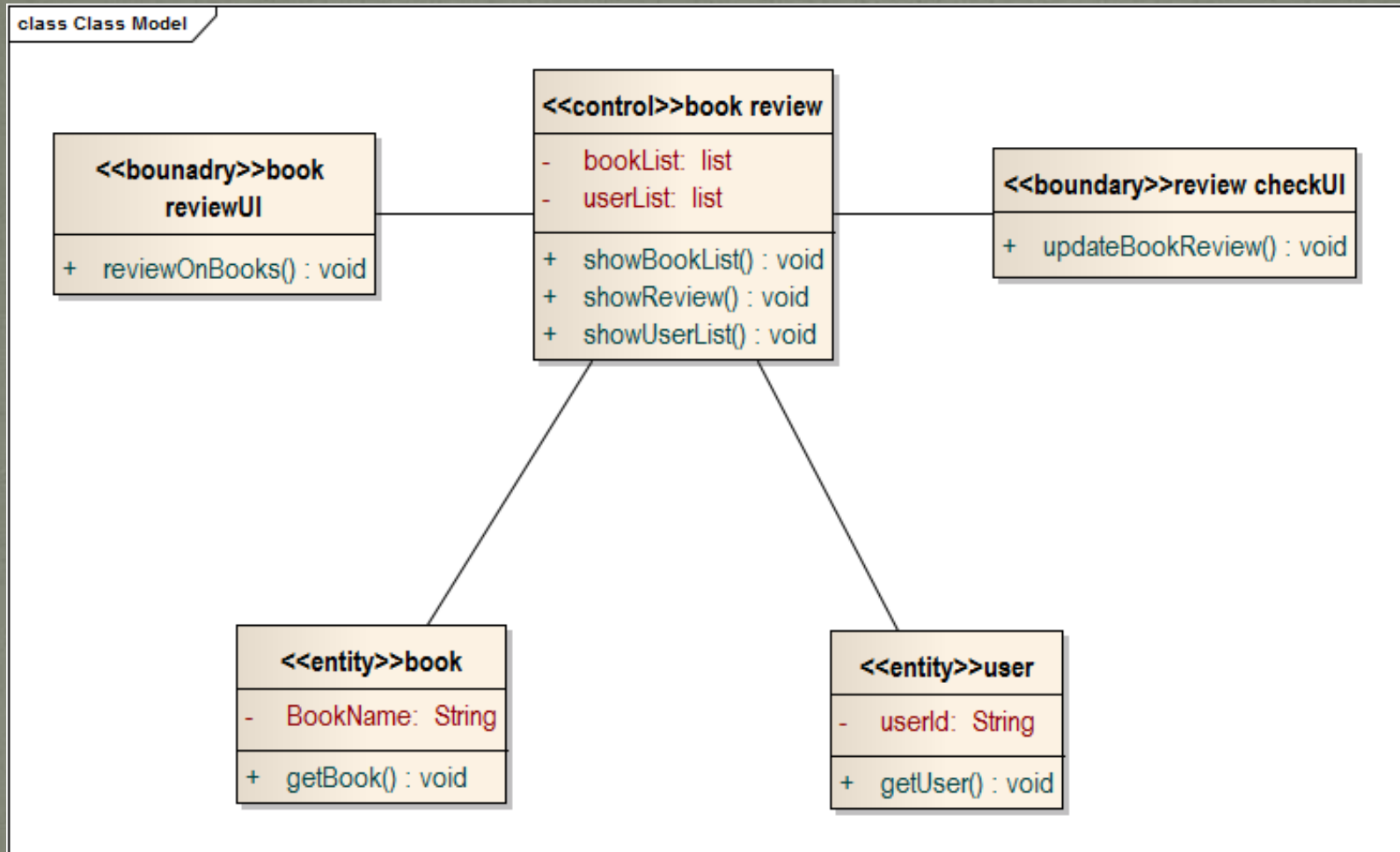


Fig: Class Diagram

Use Case 4.3: Branch Review

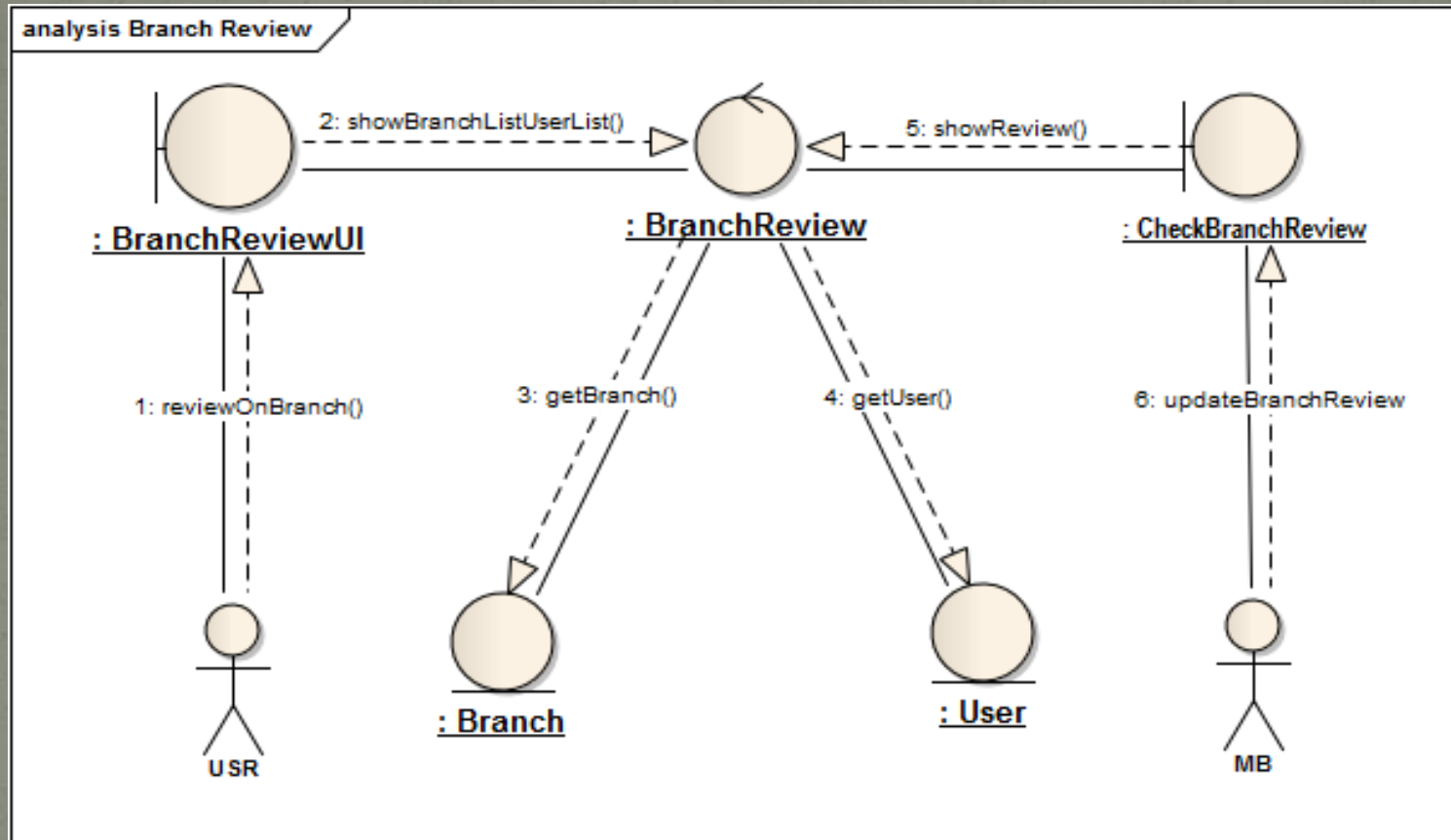


Fig: Collaboration Diagram

Use Case 4.3: Branch Review

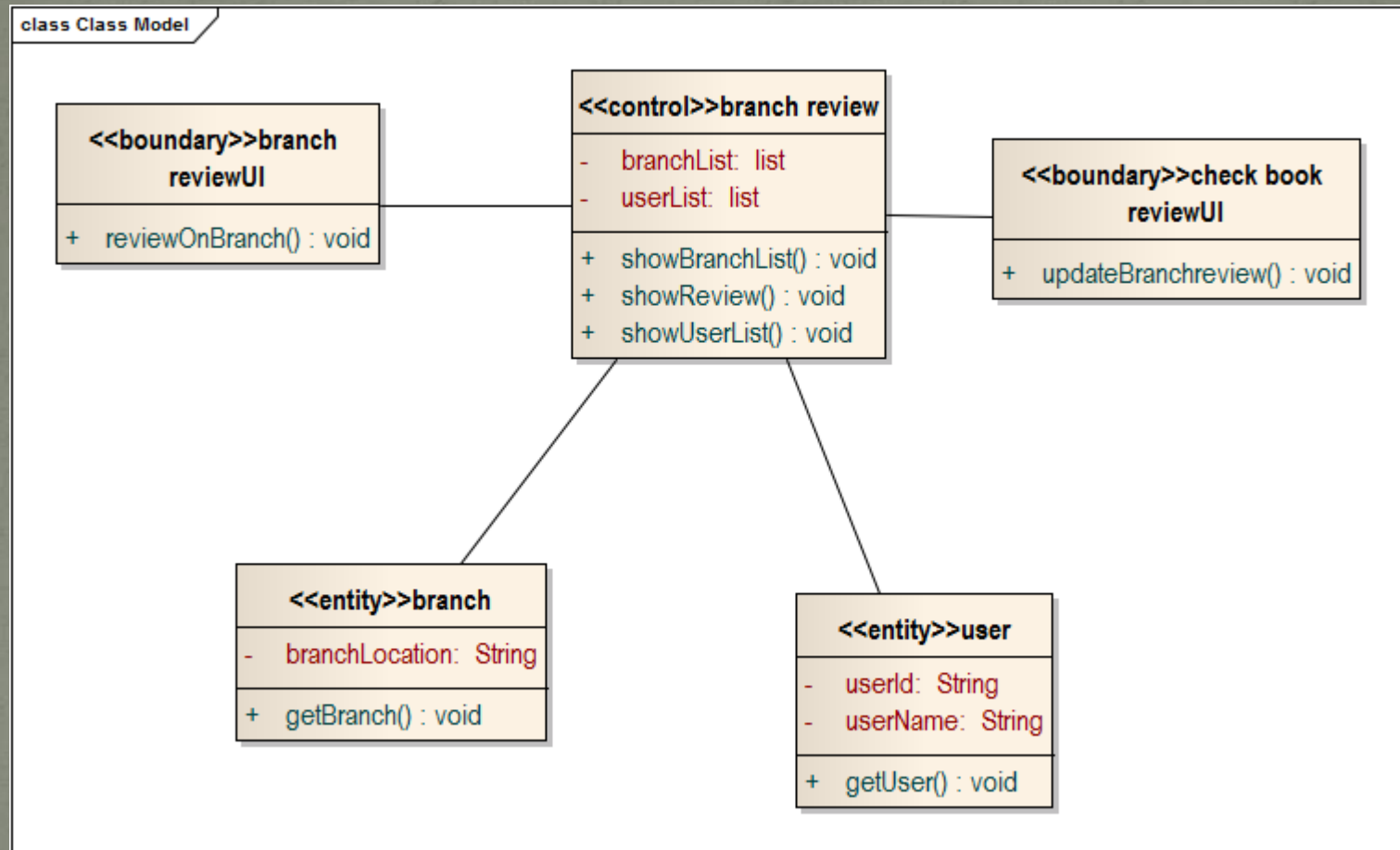


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