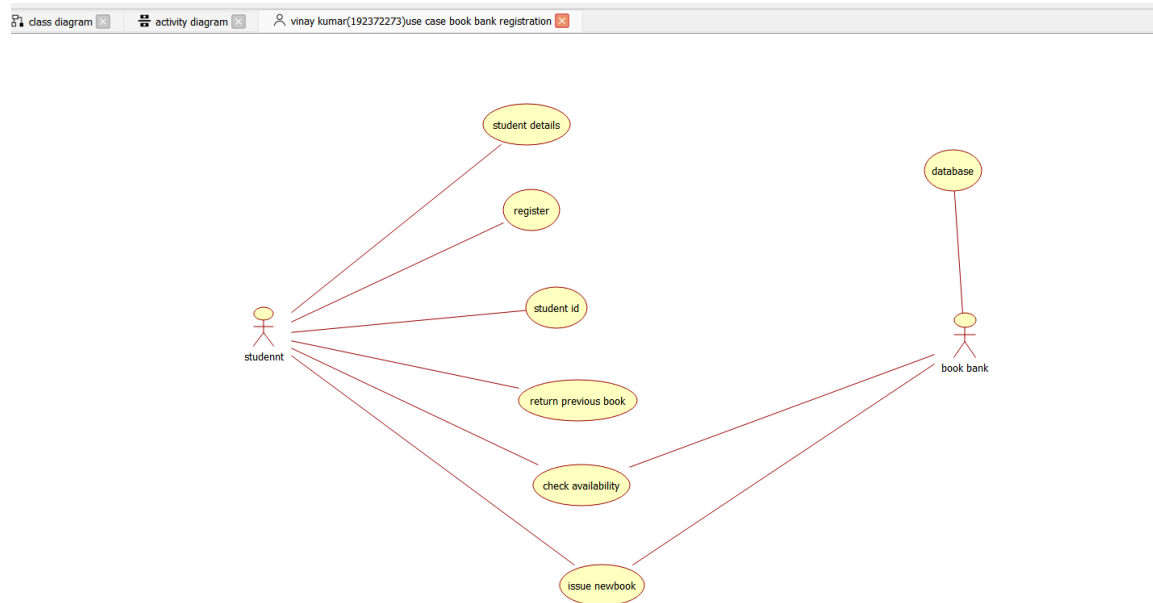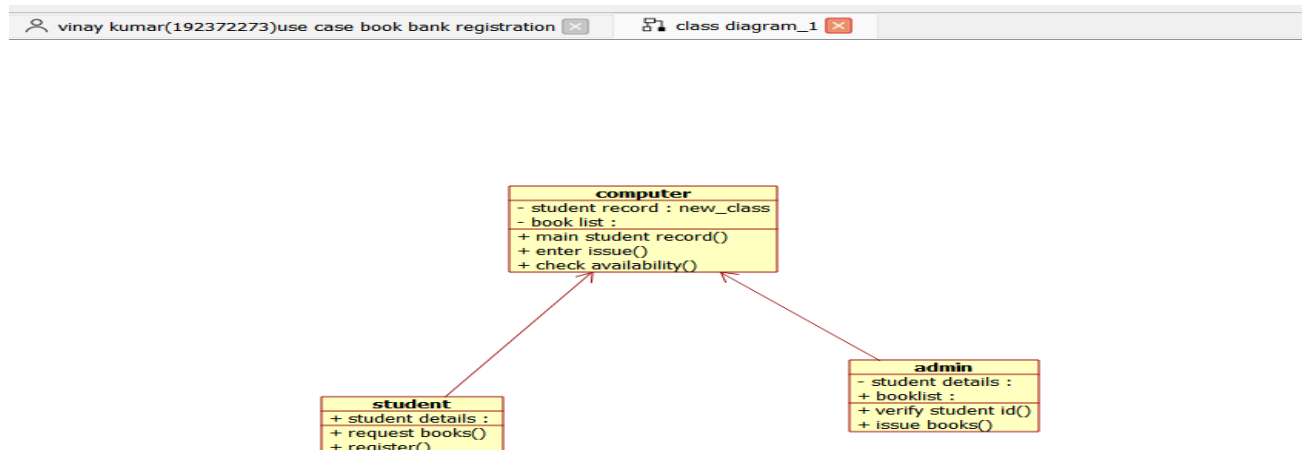# BOOK BANK REGISTRATION SYSTEM

Diagram No: 1 Use Case Diagram
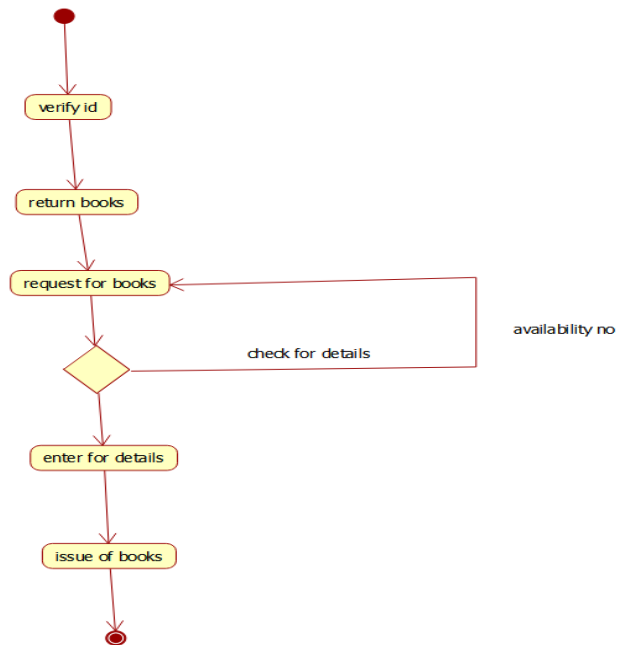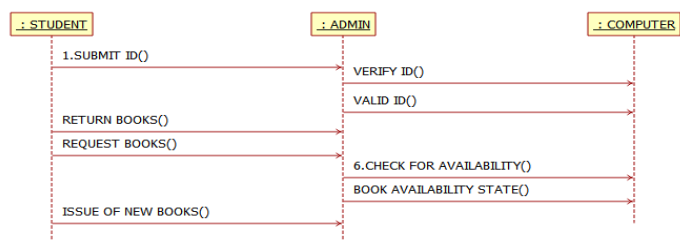
Diagram No: 2 Class Diagram

verify id

return books

request for books

check for details

availability no

enter for details

issue of books

Diagram No: 3 Activity Diagram

: STUDENT   : ADMIN   : COMPUTER

1.SUBMIT ID()

VERIFY ID()

VALID ID()

RETURN BOOKS()

REQUEST BOOKS()

6.CHECK FOR AVAILABILITY()

BOOK AVAILABILITY STATE()

ISSUE OF NEW BOOKS()

Diagram No: 4 Sequence Diagram

student

1: submit id
4: return of books

5: request for books

9: issues of new books

2: verify id
6: check for book availability
8: enter the book issues

computer

7: book of availability states
3: valid id

admin
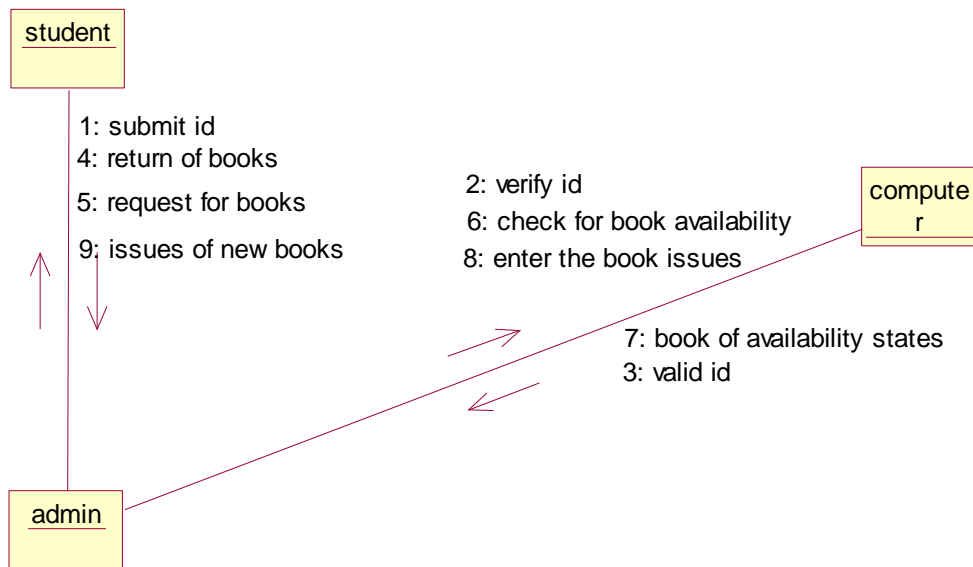
Diagram No: 5 Collaboration Diagram

class diagram ⊠   communication diagram ⊠   ▶ state diagram ⊠

GIVE DETAILS → REGISTER → CHECK DETAILS → CHECK AVALIABILITY → ISSUE BOOK
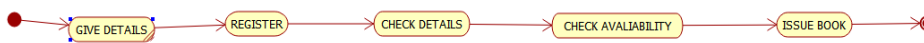
Diagram No: 6 State Chart Diagram

BOOK BANK

ISSUE FOR 3RD YEAR

MEMBERS DETAILS

ISSUE FOR 1ST YEAR

ISSUE FOR 2ND YEAR
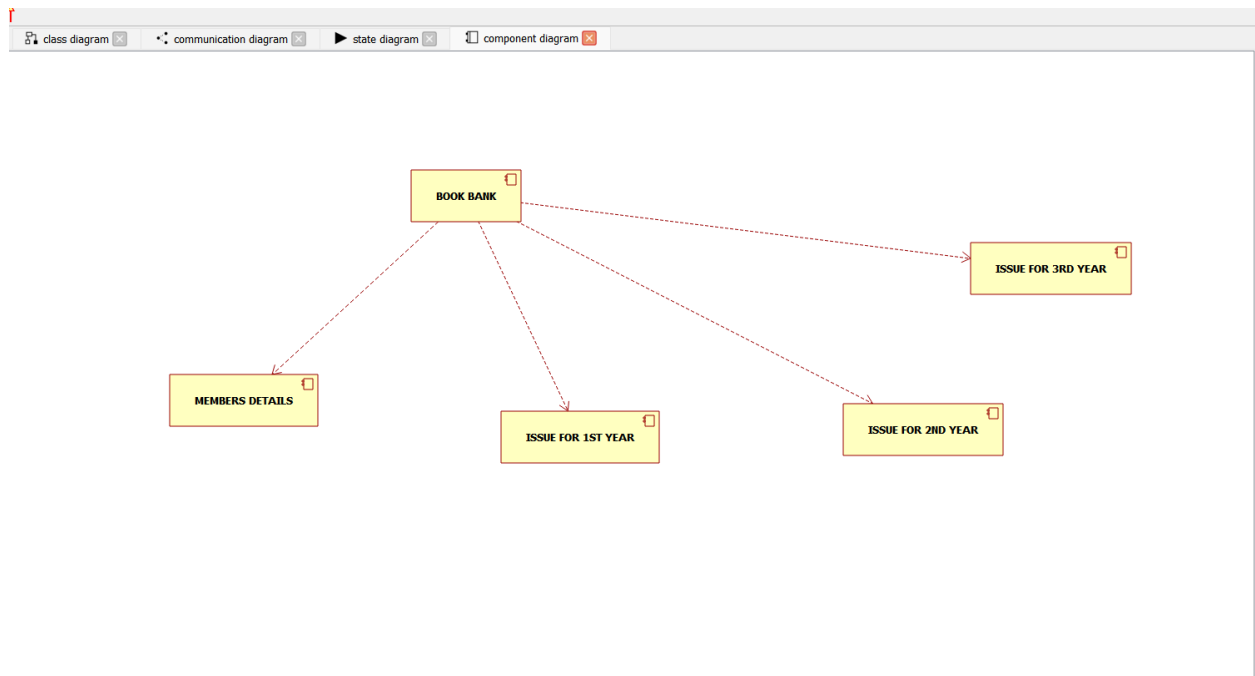
Diagram No: 7 Component Diagram

BOOK BANK

ISSUE FOR 4th YEAR

ISSUE FOR 1st YEAR

ISSUE FOR 2nd YEAR

ISSUE FOR 3rd year
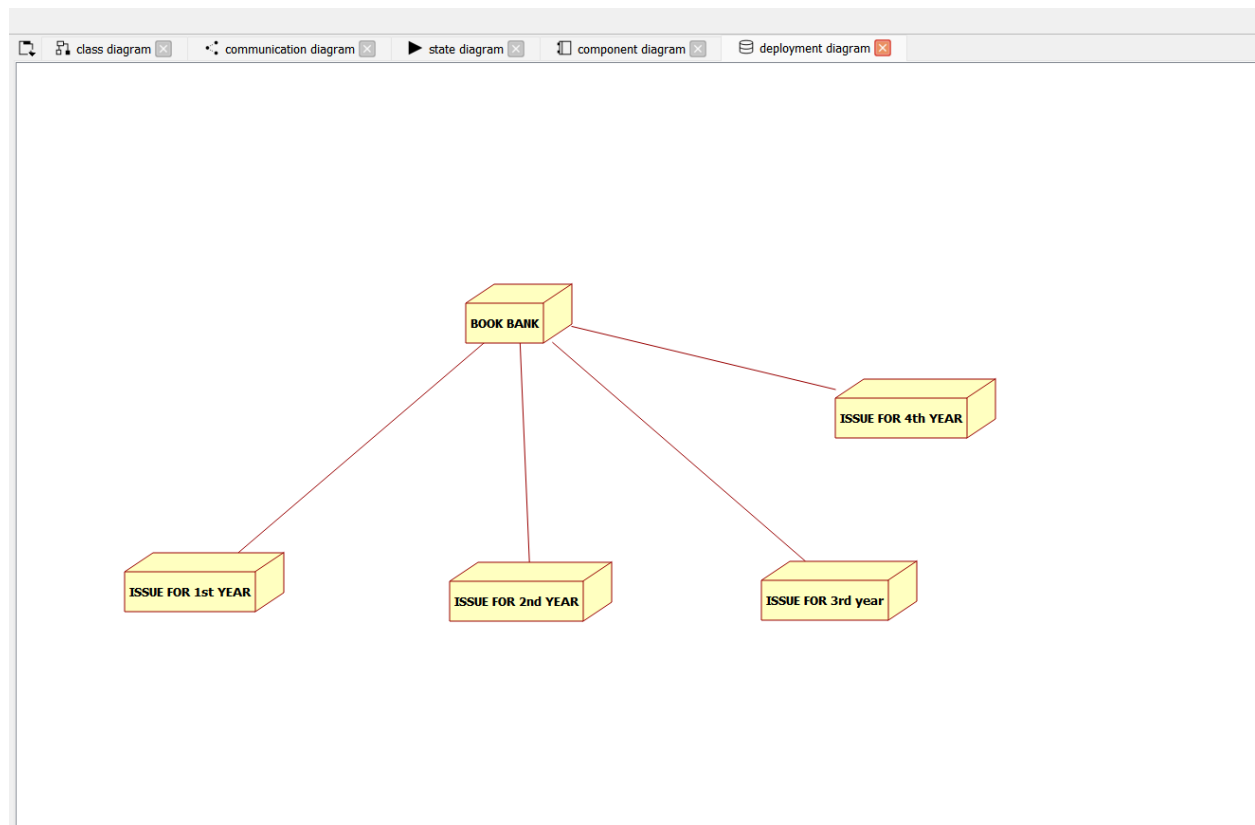
Diagram No: 8 Deployment Diagram

«subsystem»
COMPUTER

«subsystem»
STUDENT RECORD

«subsystem»
ORDER NEW AUTHOR

«subsystem»
CHECK AVAILABILITY

«subsystem»
STUDENT

«subsystem»
REQUEST BOOKS

«subsystem»
RETURN BOOKS

«subsystem»
REGISTER BOOK

«subsystem»
ADMIN

«subsystem»
VERIFY ID

«subsystem»
CHECK AVAILABILITY.

«subsystem»
ISSUE OF BOOK
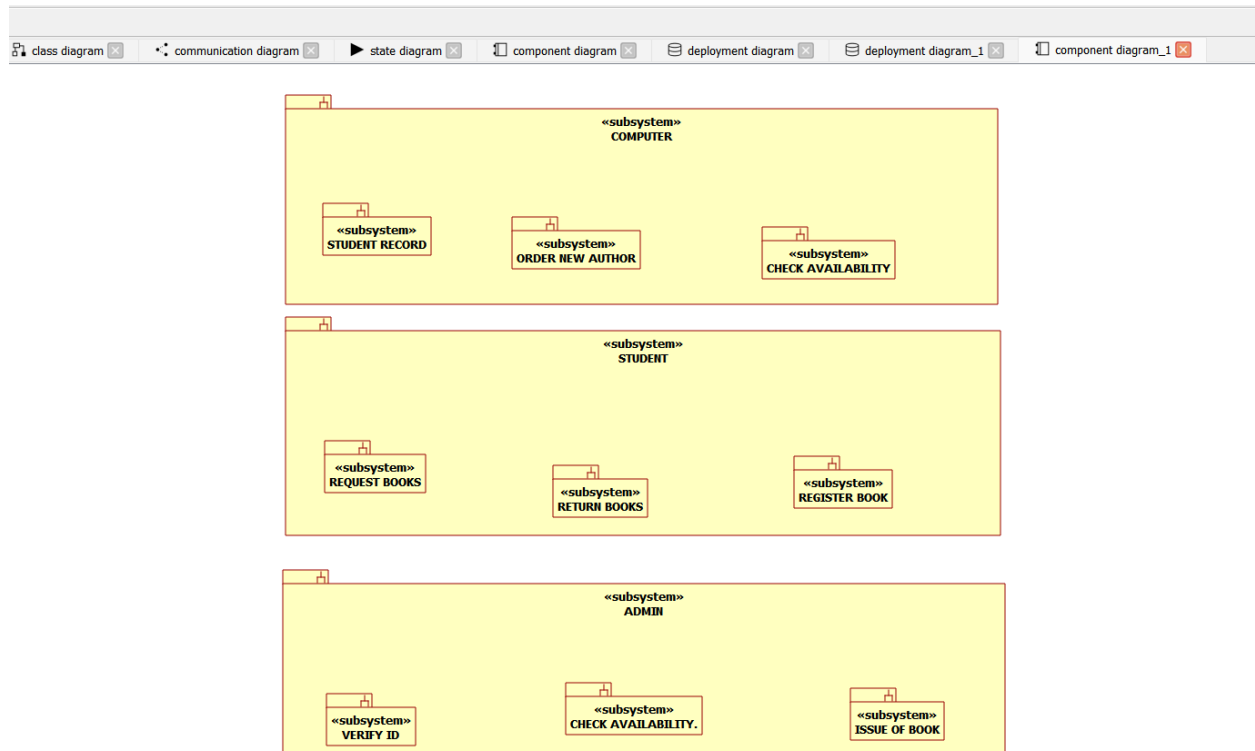
Diagram No: 9 Package Diagram