CSA1103- OOAD

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BOOK BANK REGISTRATION SYSTEM

AIM:

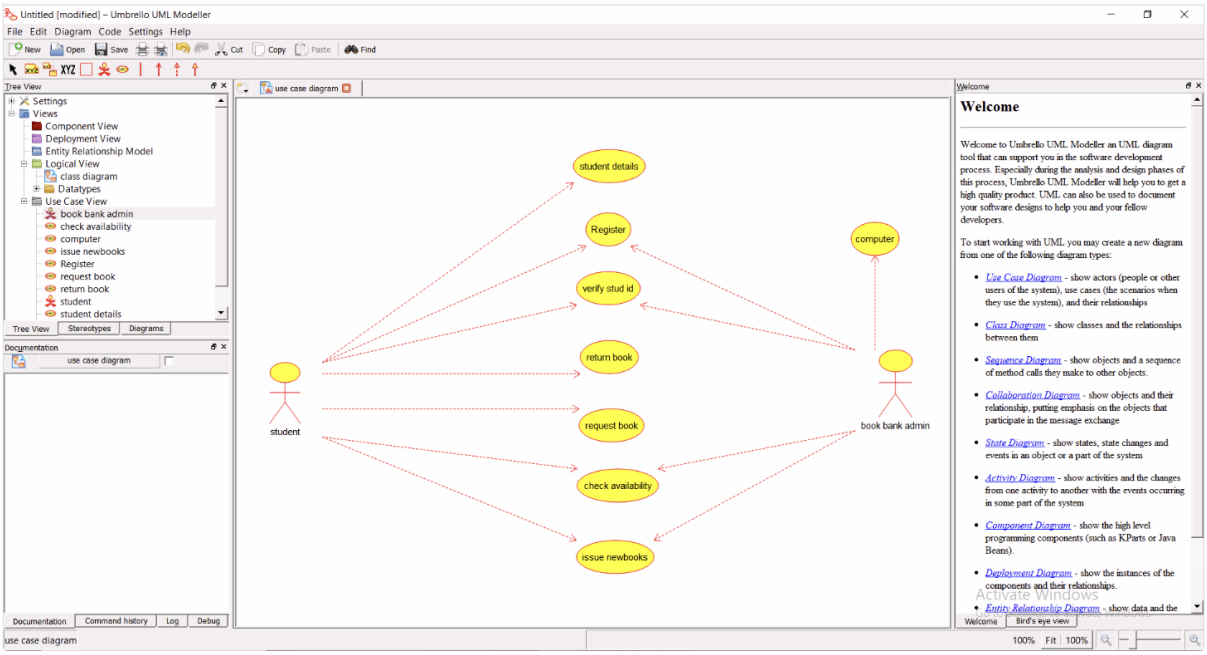
To draw the diagrams [usecase, activity, sequence, collaboration, class, statechart, collaboration, component, deployment, package] for the Book bank registration system.

USE CASE DIAGRAM:

This diagram will contain the actors, use cases which are given below

Actors: Student, book bank admin.

Use case: Student details, register, verify student id, return previous books, request of books, issue of books, check of book availability.

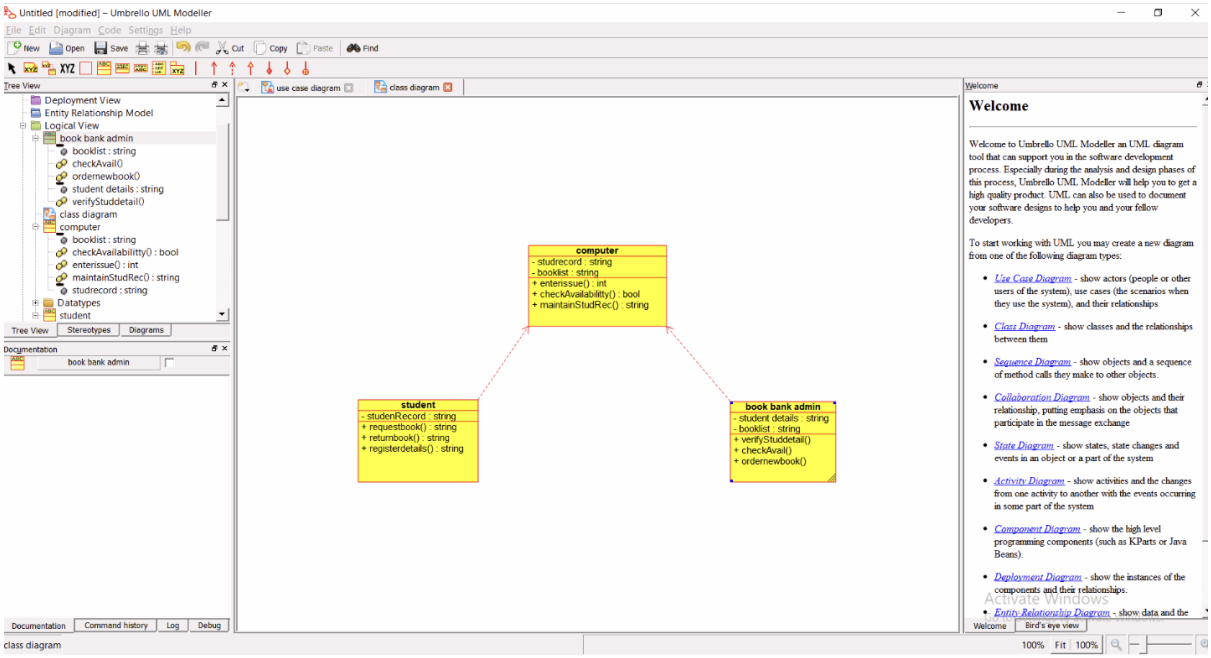


CLASS DIAGRAM:

This diagram consists of the following classes, attributes and their operations.

CLASSES	ATTRIBTES	OPERATIONS
Computer	Student record, Book list	Enter issue(), Check availability()
Stud	Student details	Request for books(), Register()

Admin	Student details, Book list	Verify student id(), Issue books()

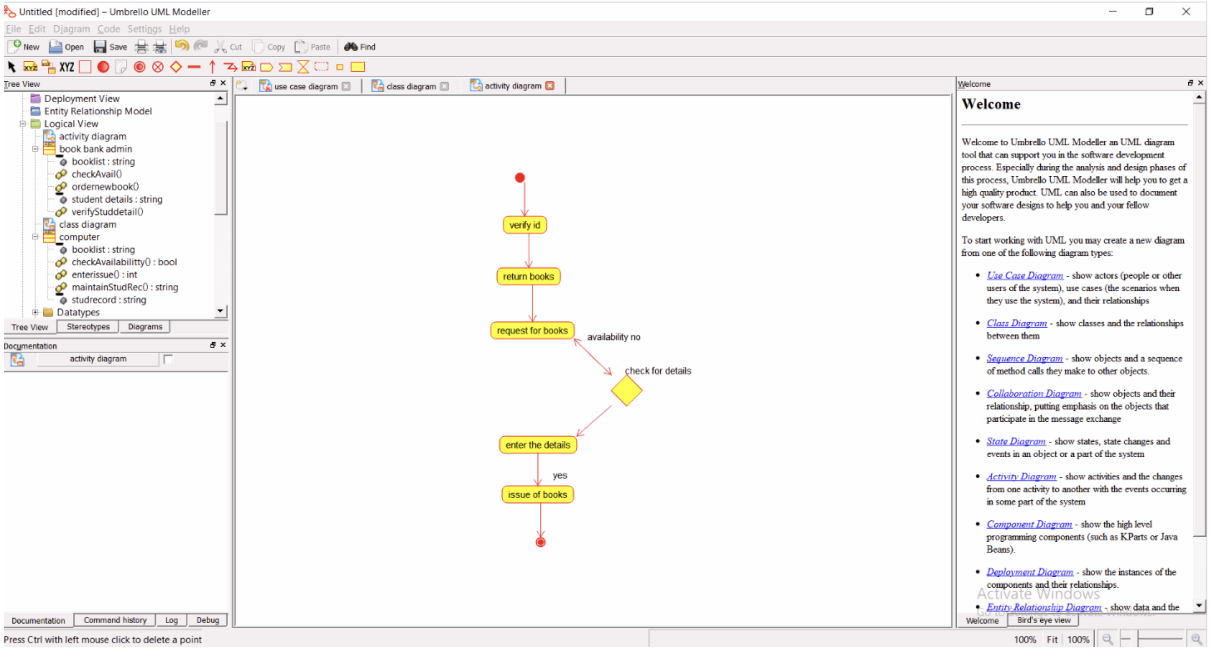


ACTIVITY DIAGRAM:

This diagram will have the activities as Start point, End point, Decision boxes as given below:

Activities: Verify id, return books, request for books, enter book issue details in system, issue books

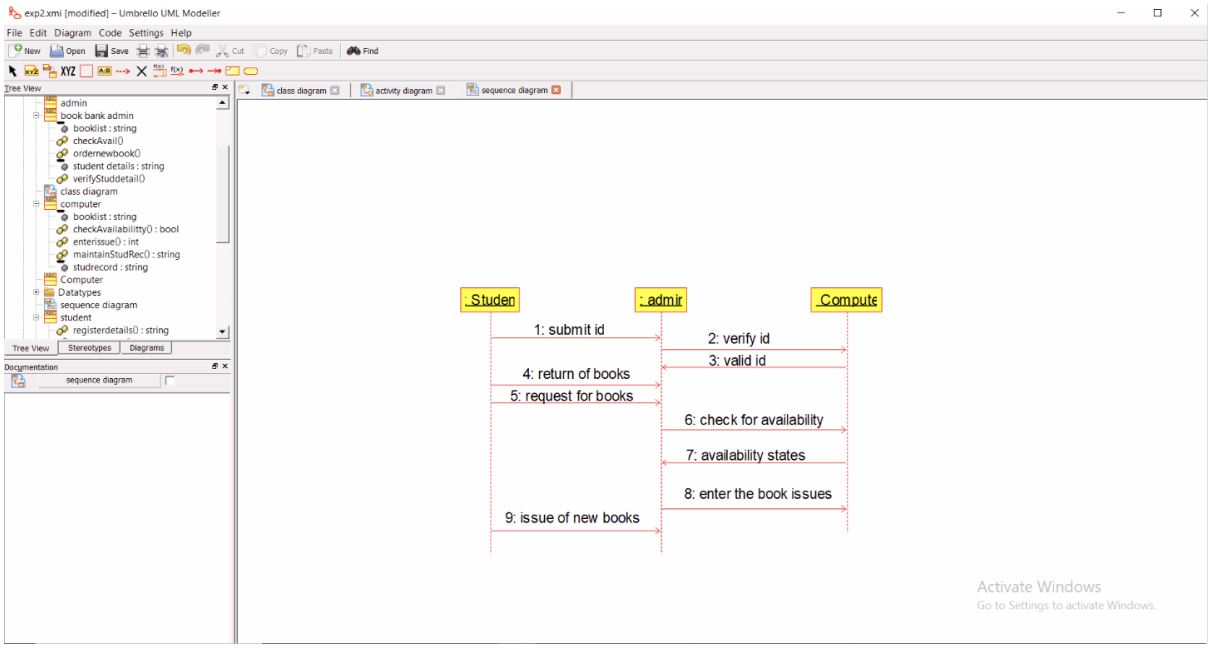
Decision box: Check availability of books whether it is present or not.



SEQUENCE DIAGRAM:

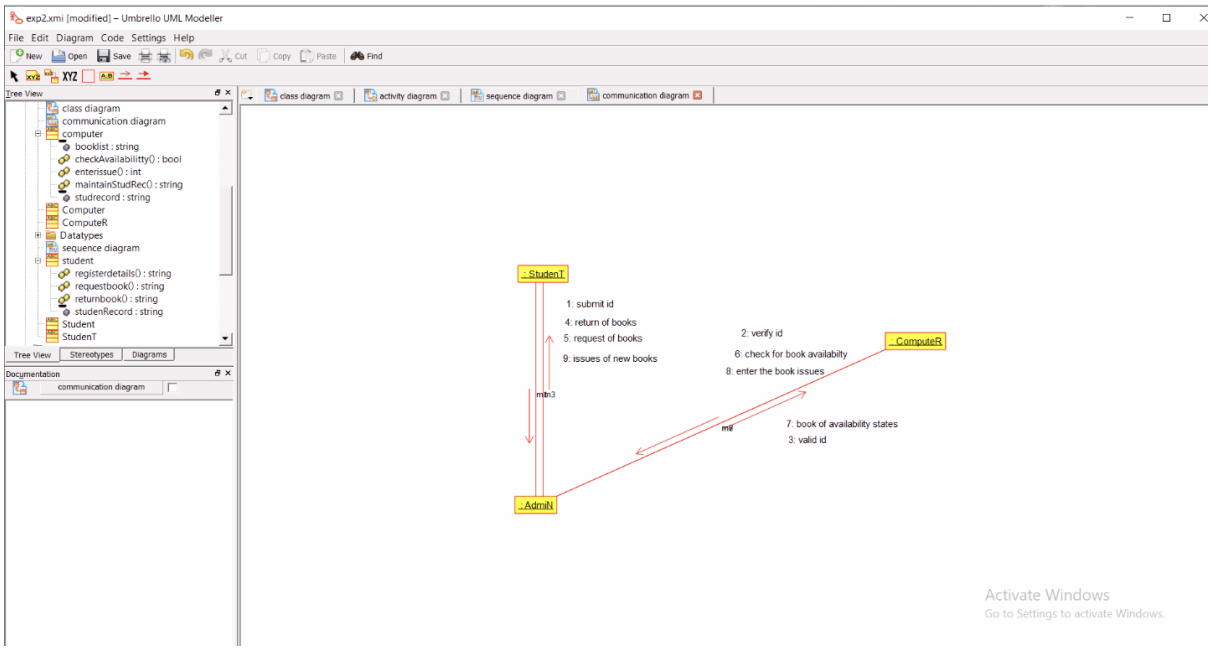
This diagram consists of the objects, messages and return messages.

Object: Stud, admin, computer



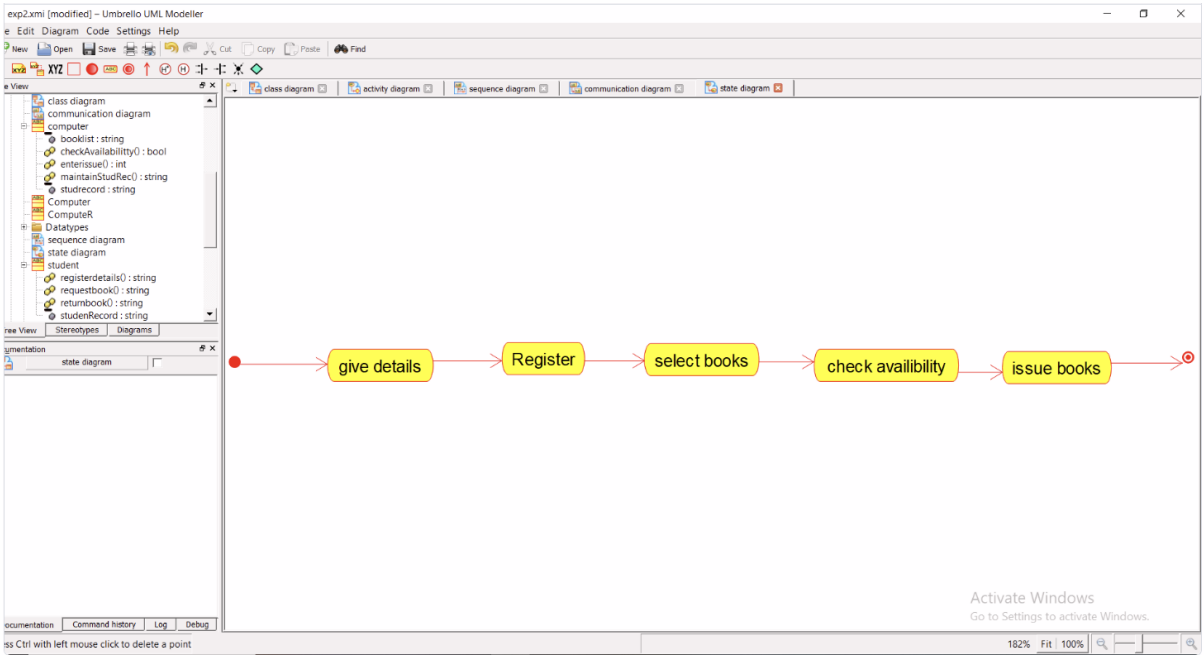
COLLABORATION DIAGRAM:

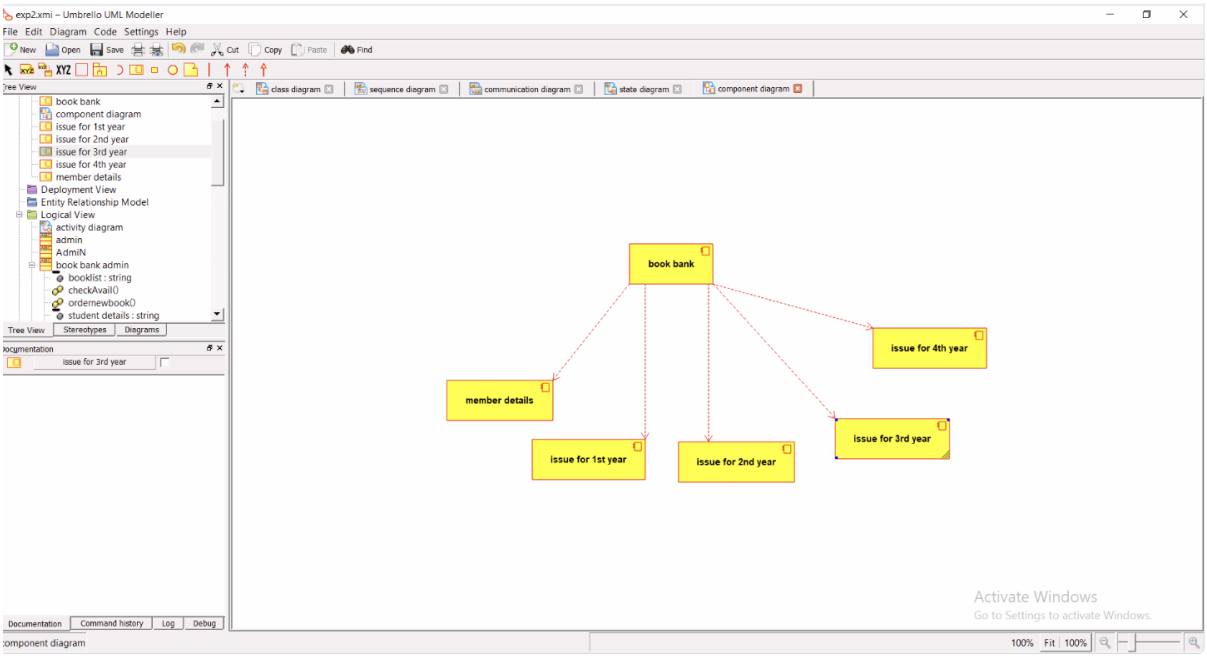
This diagram contains the objects and actors. This will be obtained by the completion of the sequence diagram and pressing the F5 key.

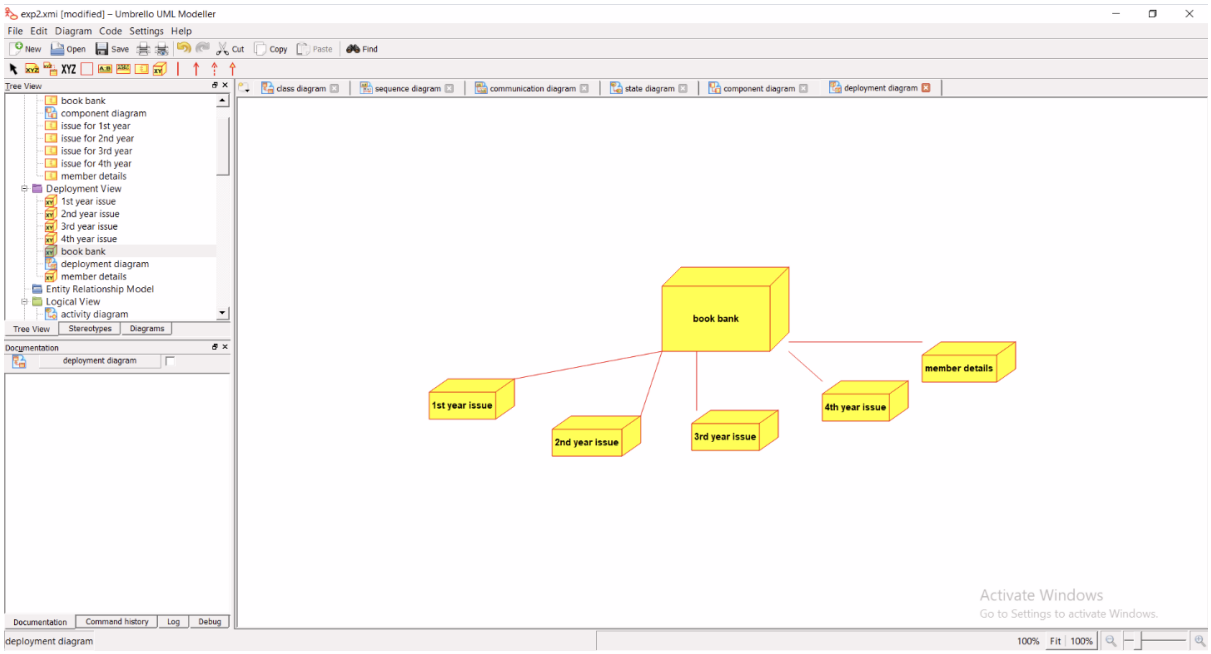


STATE CHART DIAGRAM

The purpose of state chart diagram is to understand the algorithm involved in performing a method. It is also called as state diagram. A state is represented as a round box, which may contain one or more compartments. An initial state is represented as small dot. An final state is represented as circle surrounding a small dot.



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component diagram
issue for 1st year
issue for 2nd year
issue for 3rd year
issue for 4th year
member details
Deployment View
1st year issue
2nd year issue
3rd year issue
4th year issue
book bank
deployment diagram
member details
Entity Relationship Model
Logical View
activity diagram
Tree View Stereotypes Diagrams
Documentation
deployment diagram
Documentation Command history Log Debug
class diagram sequence diagram communication diagram state diagram component diagram deployment diagram
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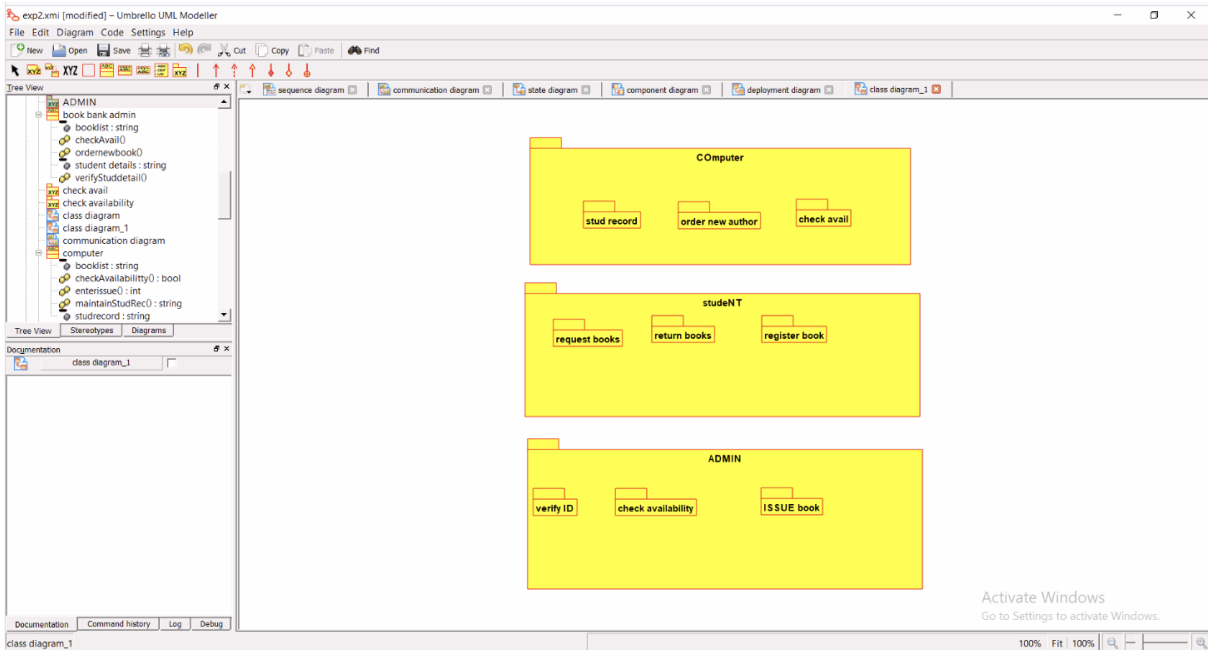
exp2.xmi [modified] – Umbrello UML Modeller
File Edit Diagram Code Settings Help
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ADMIN
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booklist : string
checkAvail()
ordernewbook()
student details : string
verifyStuddetail()
check avail
check availability
class diagram
class diagram_1
communication diagram
computer
booklist : string
checkAvailabilitty() : bool
enterissue() : int
maintainStudRec() : string
studrecord : string
Tree View Stereotypes Diagrams
Documentation
class diagram_1
Documentation Command history Log Debug
sequence diagram communication diagram state diagram component diagram deployment diagram class diagram_1
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