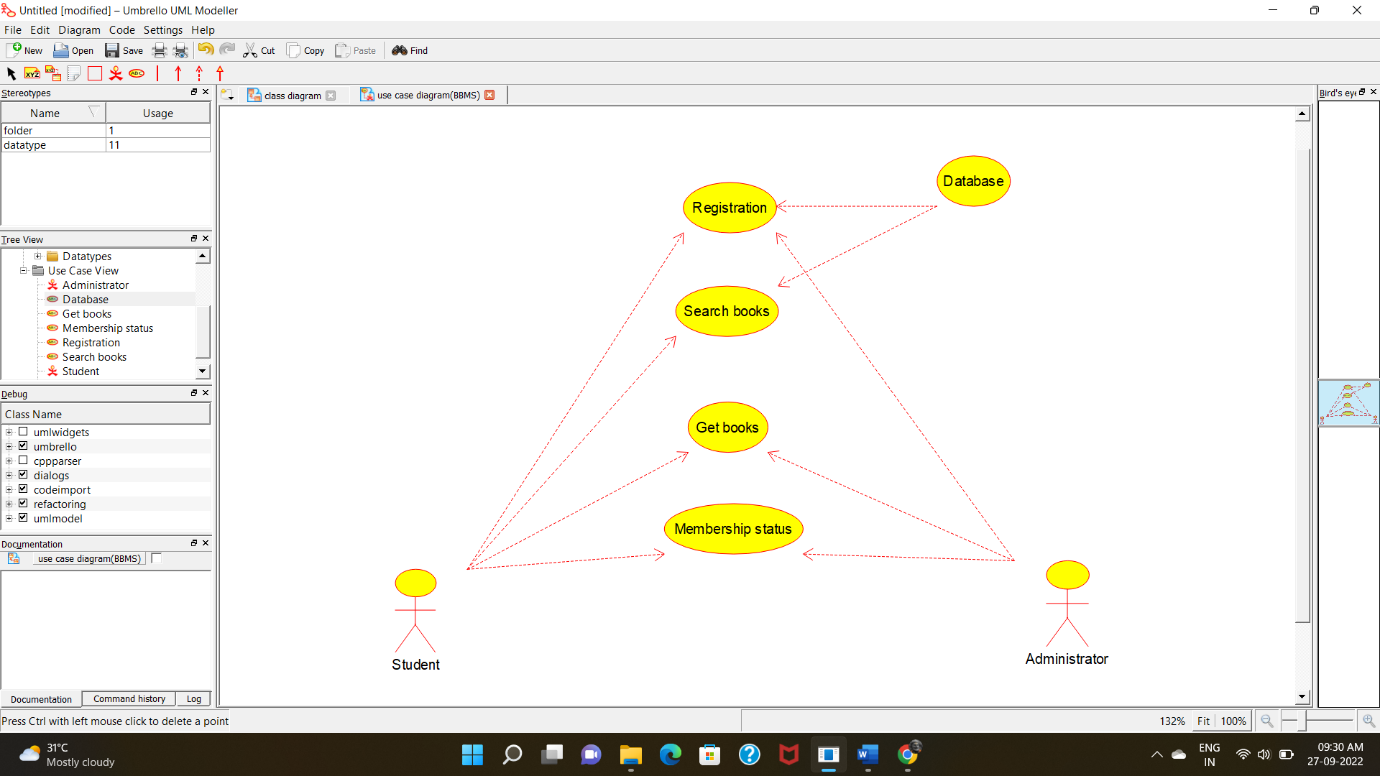
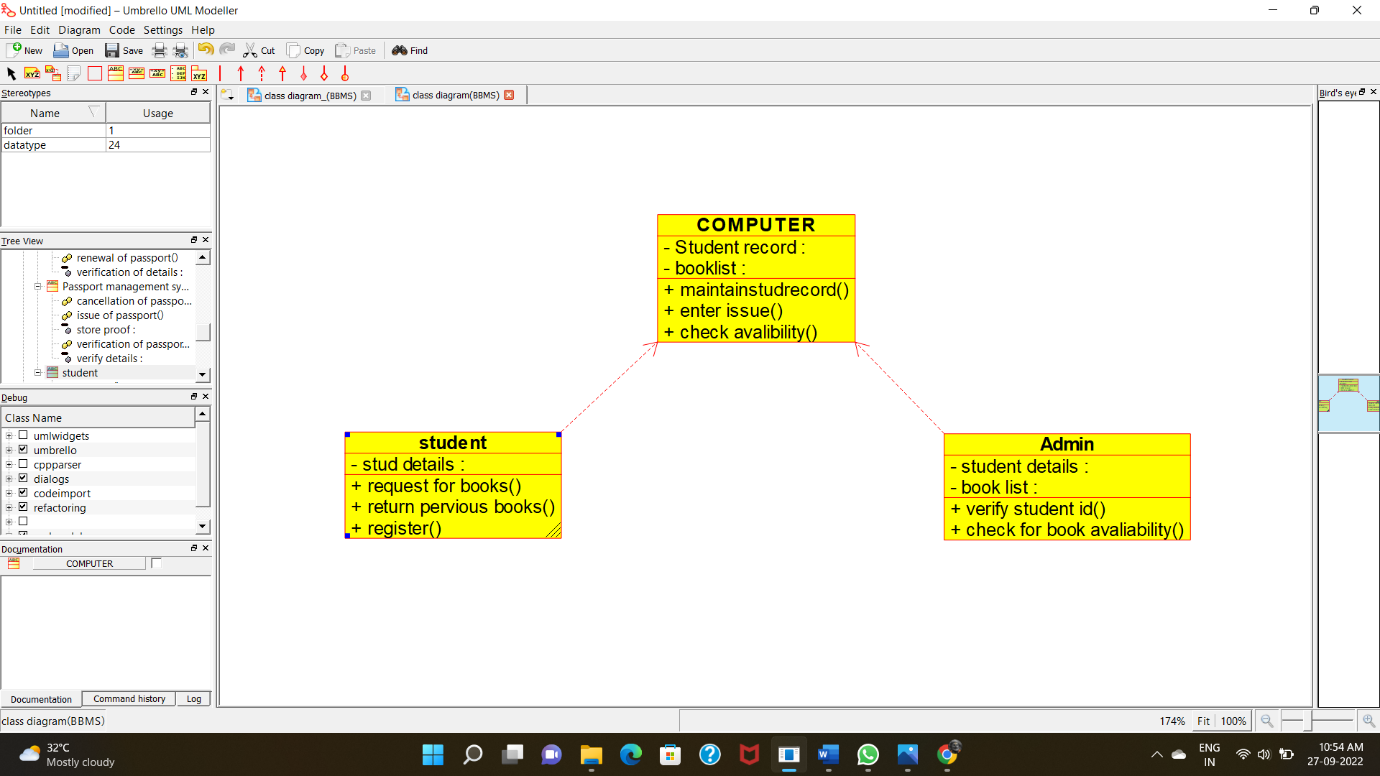
**Ex No:02 BOOK BANK REGISTRATION SYSTEM**

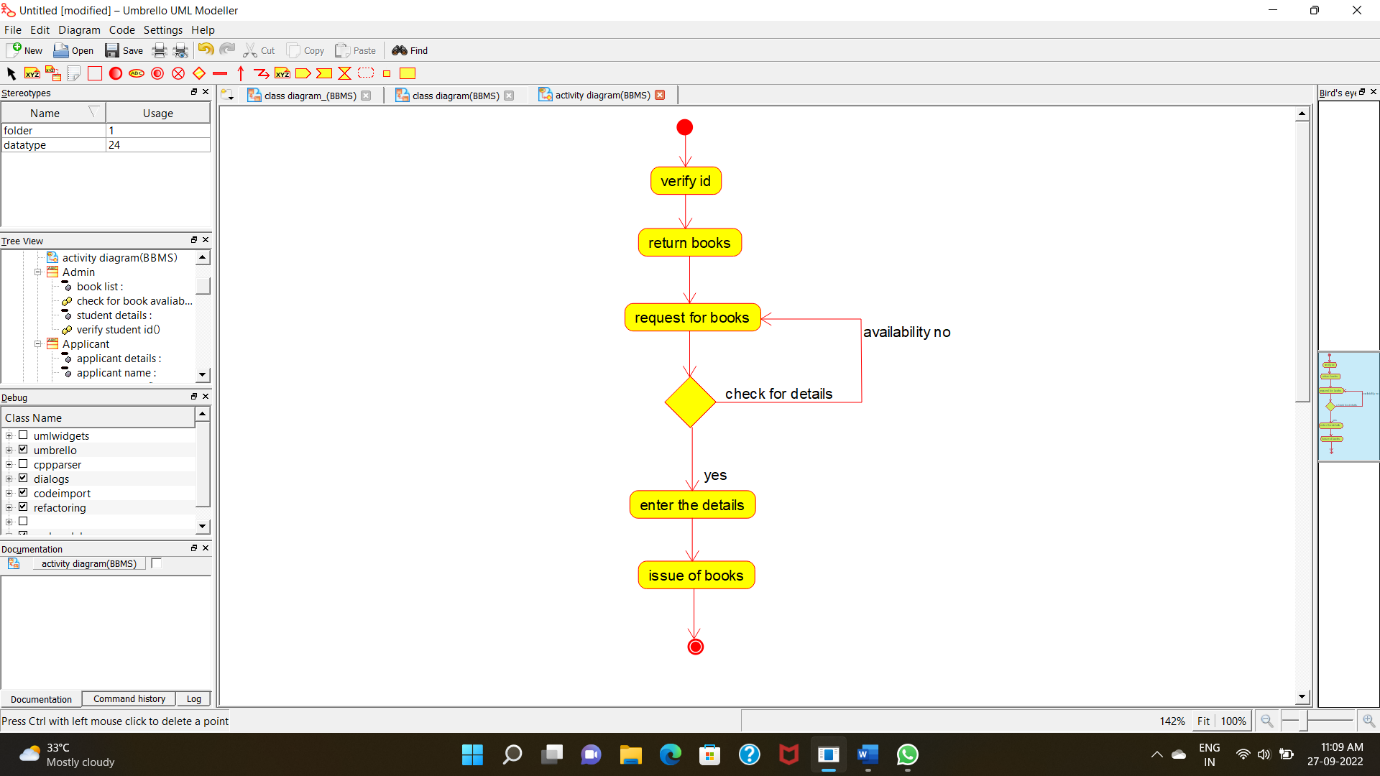
**USE CASE DIAGRAM:**



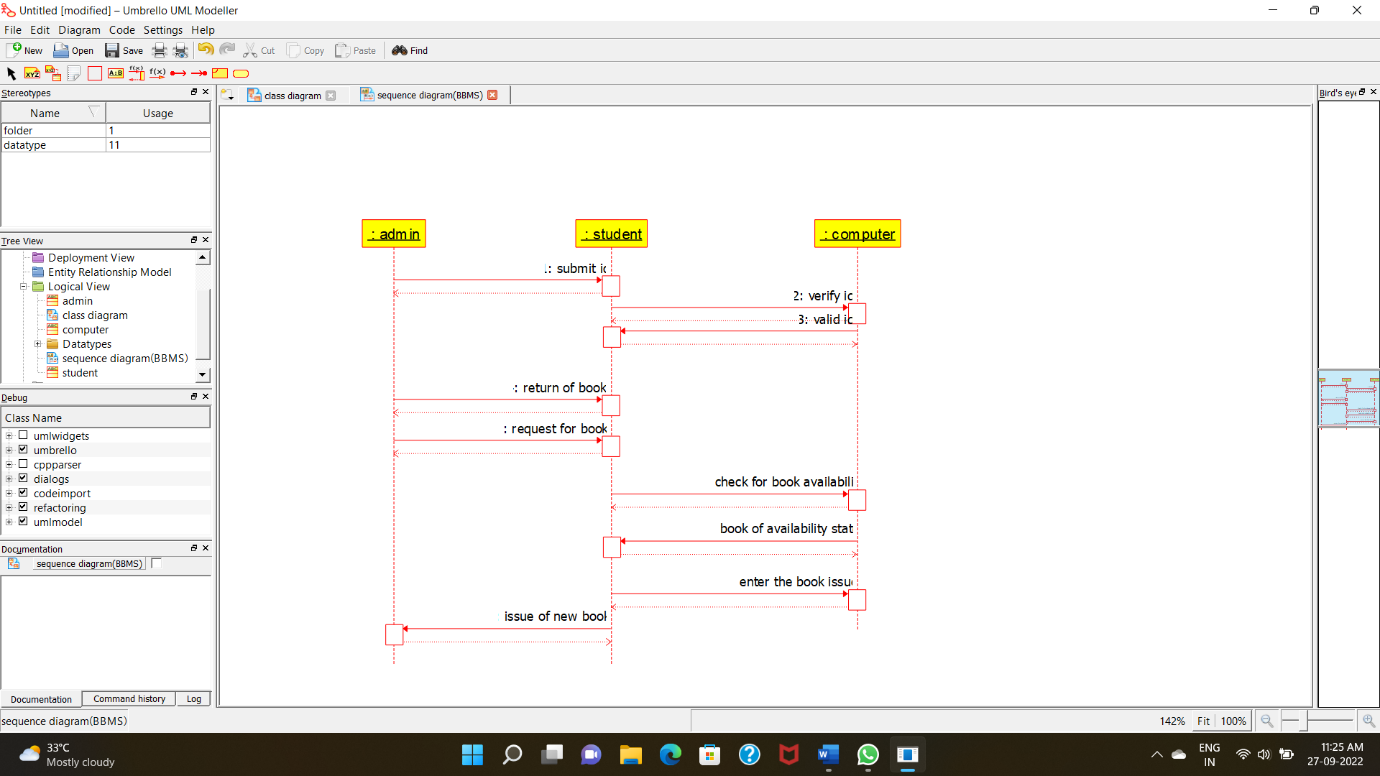
**CLASS DIAGRAM:**

****

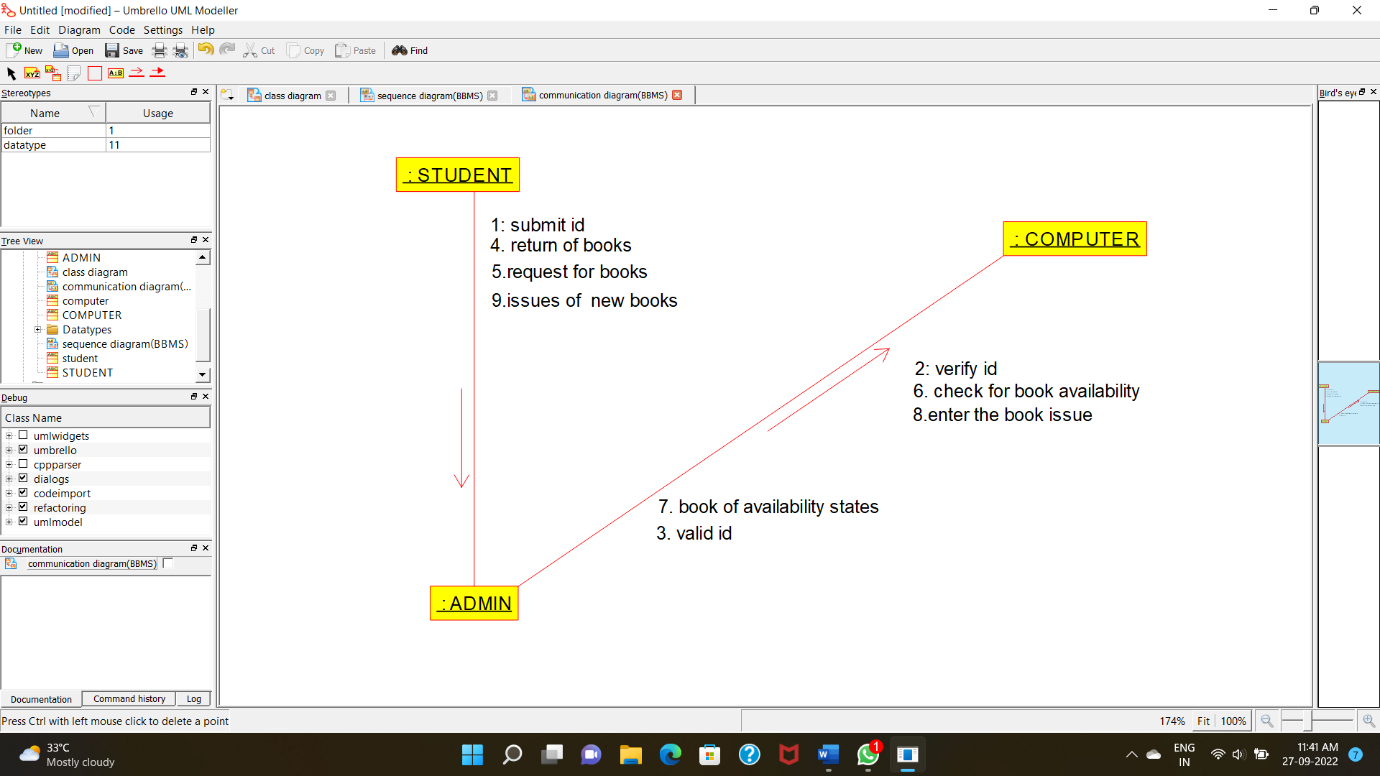
**ACTIVITY DIAGRAM:**



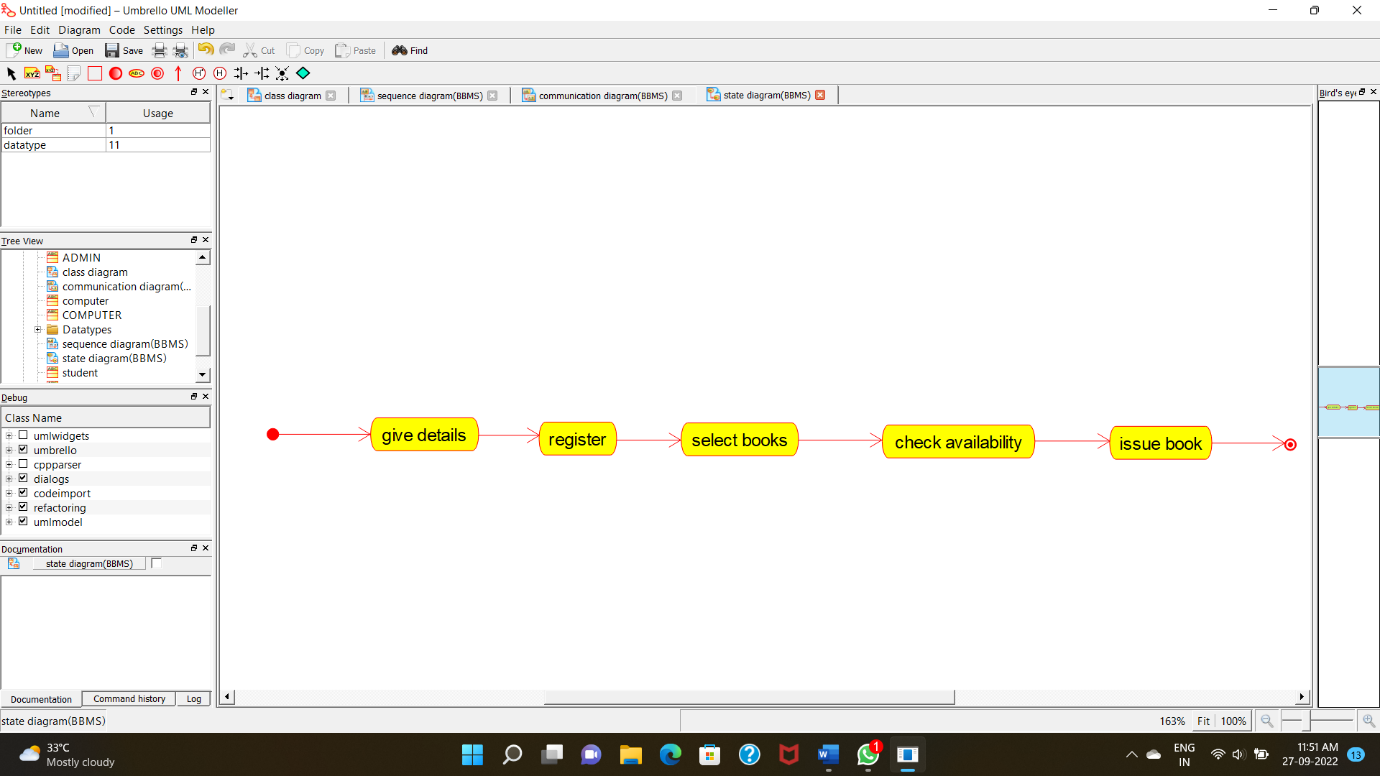
**SEQUENCE DIAGRAM:**



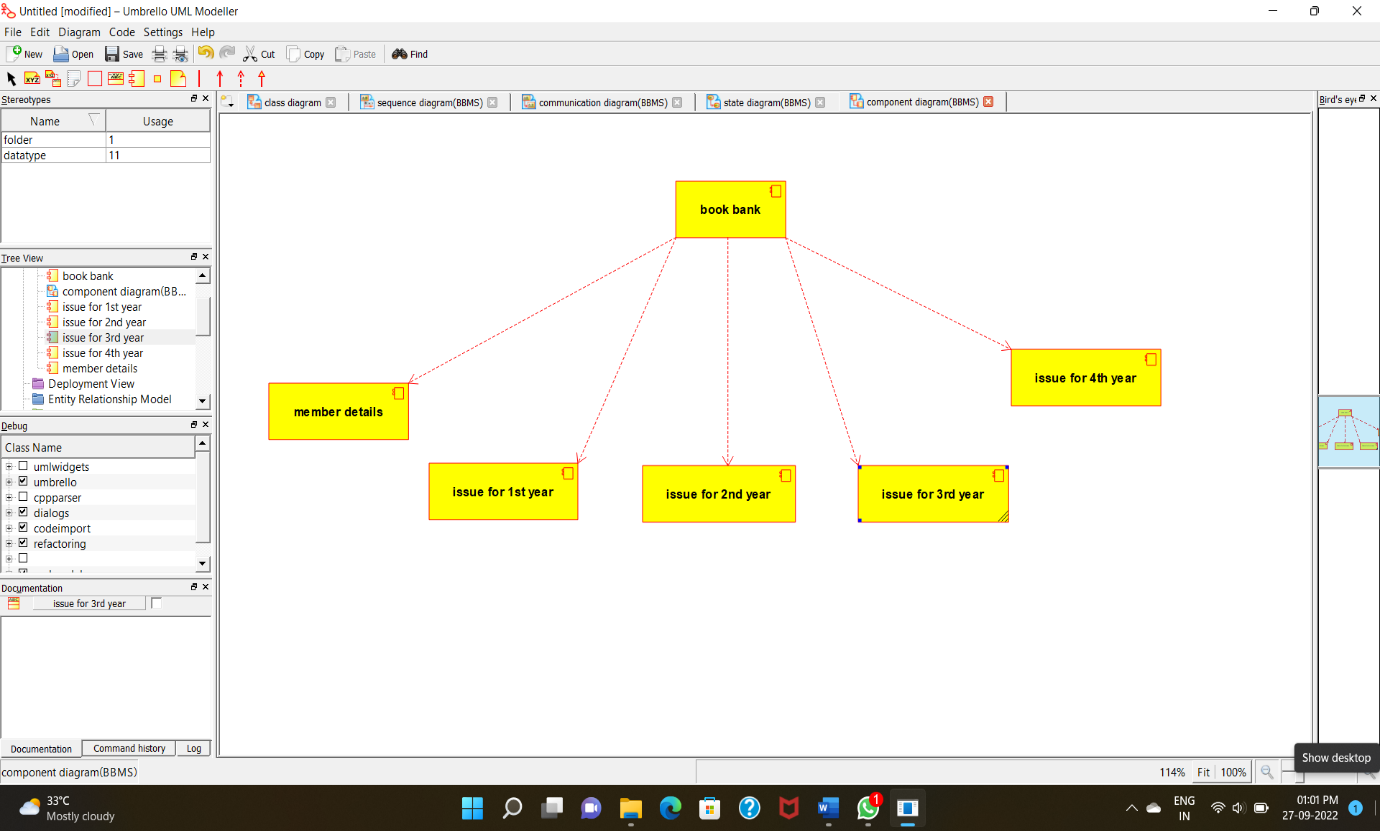
**COLLABORATION DIAGRAM:**



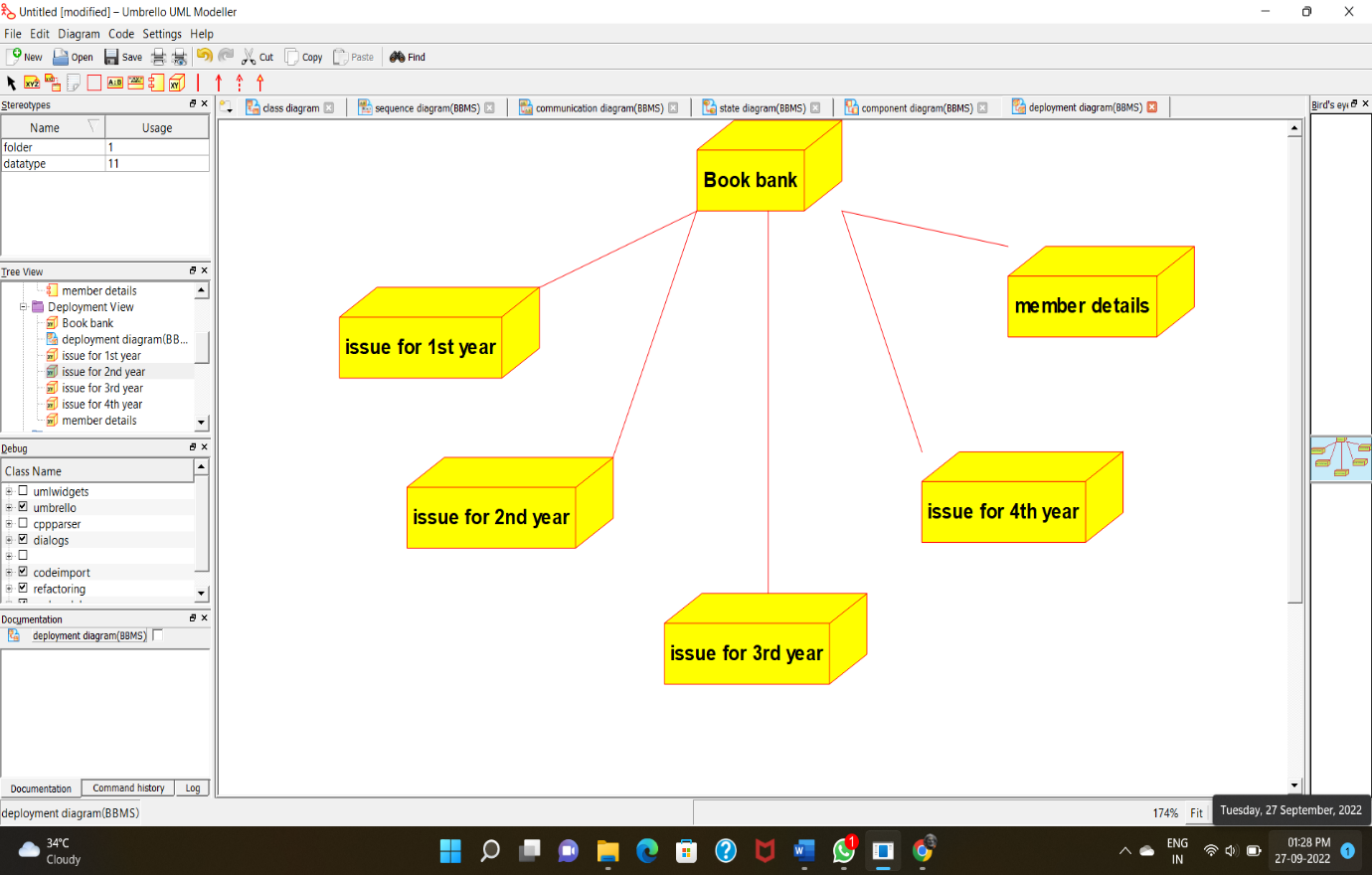
**STATE CHART DIAGRAM:**



**COMPONENT DIAGRAM**



**DEPLOYMENT DIAGRAM :**



**PROGRAM CODING:**

**ADMIN:**

/\*\*

\* Class Admin

\*/

public class Admin {

//

// Fields

//

private void student\_details;

private void book\_list;

//

// Constructors

//

public Admin () { };

//

// Methods

//

//

// Accessor methods

//

/\*\*

\* Set the value of student\_details

\* @param newVar the new value of student\_details

\*/

private void setStudent\_details (void newVar) {

student\_details = newVar;

}

/\*\*

\* Get the value of student\_details

\* @return the value of student\_details

\*/

private void getStudent\_details () {

return student\_details;

}

/\*\*

\* Set the value of book\_list

\* @param newVar the new value of book\_list

\*/

private void setBook\_list (void newVar) {

book\_list = newVar;

}

/\*\*

\* Get the value of book\_list

\* @return the value of book\_list

\*/

private void getBook\_list () {

return book\_list;

}

//

// Other methods

//

/\*\*

\*/

public void verify\_student\_id()

{

}

/\*\*

\*/

public void check\_for\_book\_avaliability()

{

}

}

**STUDENT:**

/\*\*

\* Class student

\*/

public class student {

//

// Fields

//

private void stud\_details;

//

// Constructors

//

public student () { };

//

// Methods

//

//

// Accessor methods

//

/\*\*

\* Set the value of stud\_details

\* @param newVar the new value of stud\_details

\*/

private void setStud\_details (void newVar) {

stud\_details = newVar;

}

/\*\*

\* Get the value of stud\_details

\* @return the value of stud\_details

\*/

private void getStud\_details () {

return stud\_details;

}

//

// Other methods

//

/\*\*

\*/

public void request\_for\_books()

{

}

/\*\*

\*/

public void return\_pervious\_books()

{

}

/\*\*

\*/

public void register()

{

}

}

**COMPUTER:**

/\*\*

\* Class COMPUTER

\*/

public class COMPUTER {

//

// Fields

//

private void Student\_record;

private void booklist;

//

// Constructors

//

public COMPUTER () { };

//

// Methods

//

//

// Accessor methods

//

/\*\*

\* Set the value of Student\_record

\* @param newVar the new value of Student\_record

\*/

private void setStudent\_record (void newVar) {

Student\_record = newVar;

}

/\*\*

\* Get the value of Student\_record

\* @return the value of Student\_record

\*/

private void getStudent\_record () {

return Student\_record;

}

/\*\*

\* Set the value of booklist

\* @param newVar the new value of booklist

\*/

private void setBooklist (void newVar) {

booklist = newVar;

}

/\*\*

\* Get the value of booklist

\* @return the value of booklist

\*/

private void getBooklist () {

return booklist;

}

//

// Other methods

//

/\*\*

\*/

public void maintainstudrecord()

{

}

/\*\*

\*/

public void enter\_issue()

{

}

/\*\*

\*/

public void check\_avalibility()

{

}

}