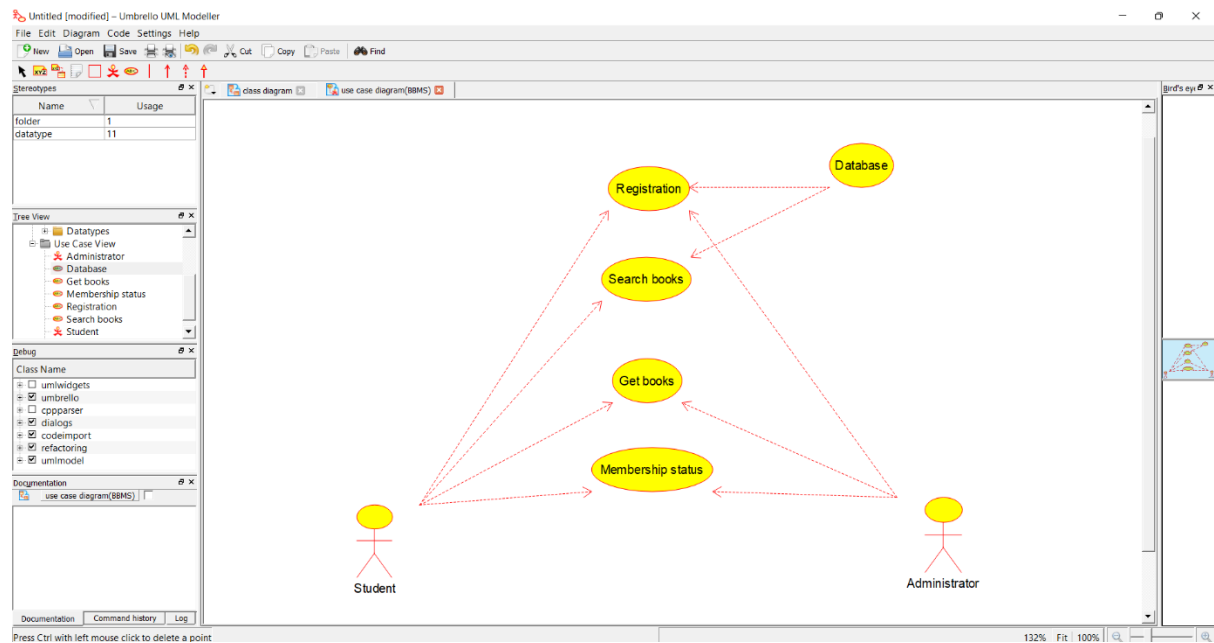
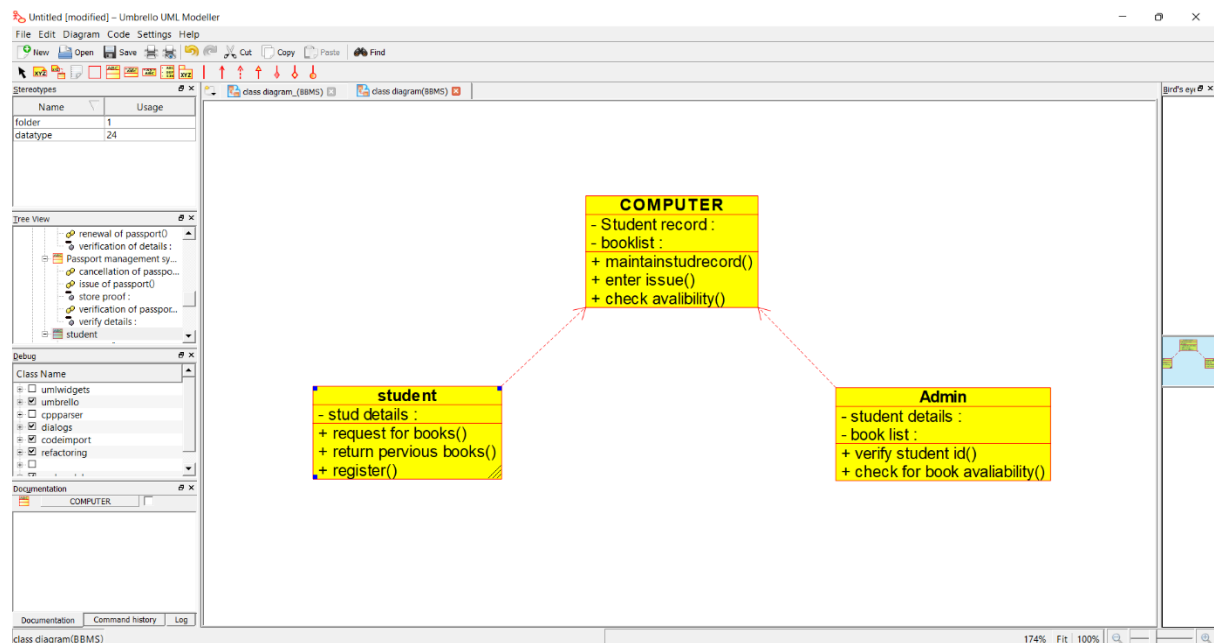


Ex No:02 BOOK BANK REGISTRATION SYSTEM

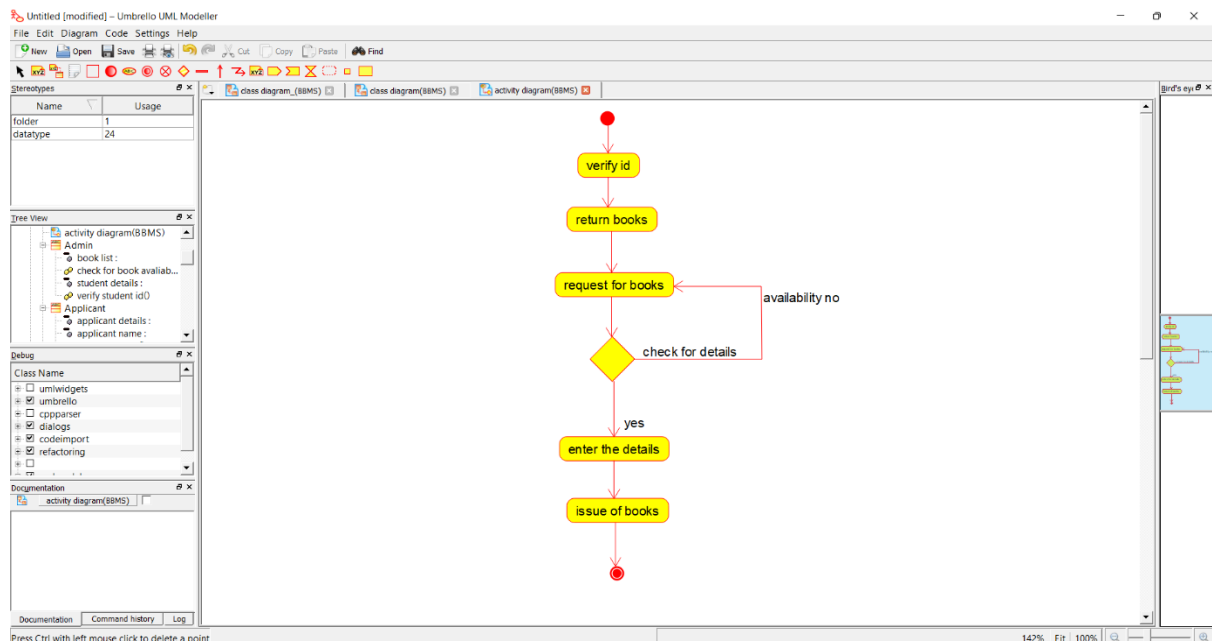
USE CASE DIAGRAM:



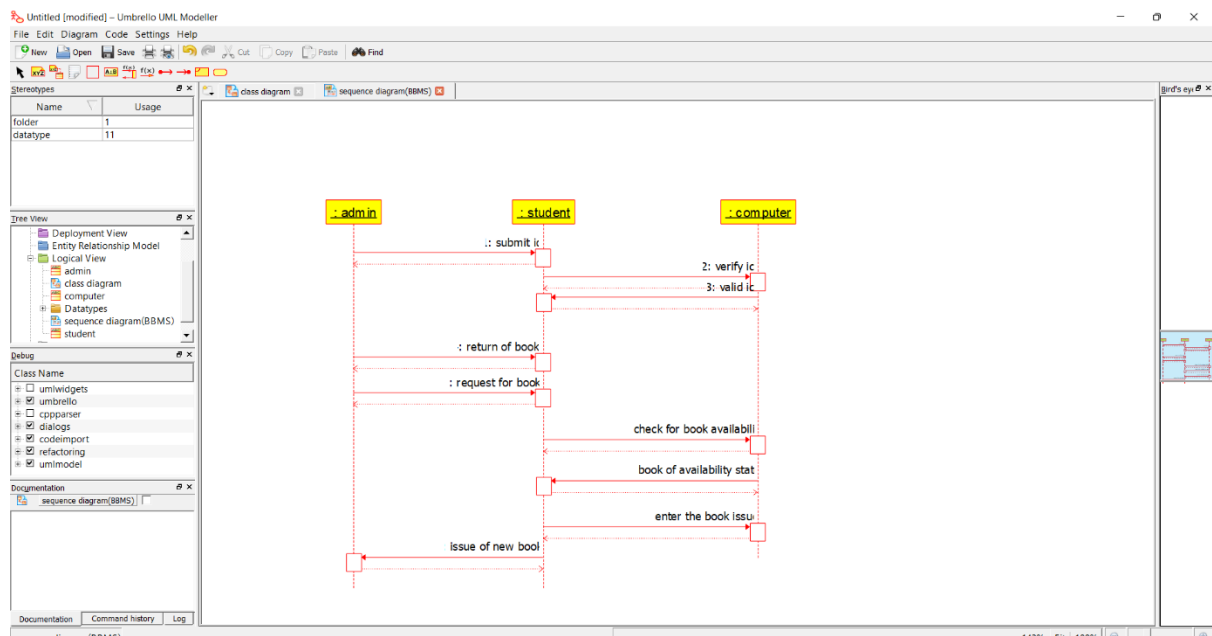
CLASS DIAGRAM:



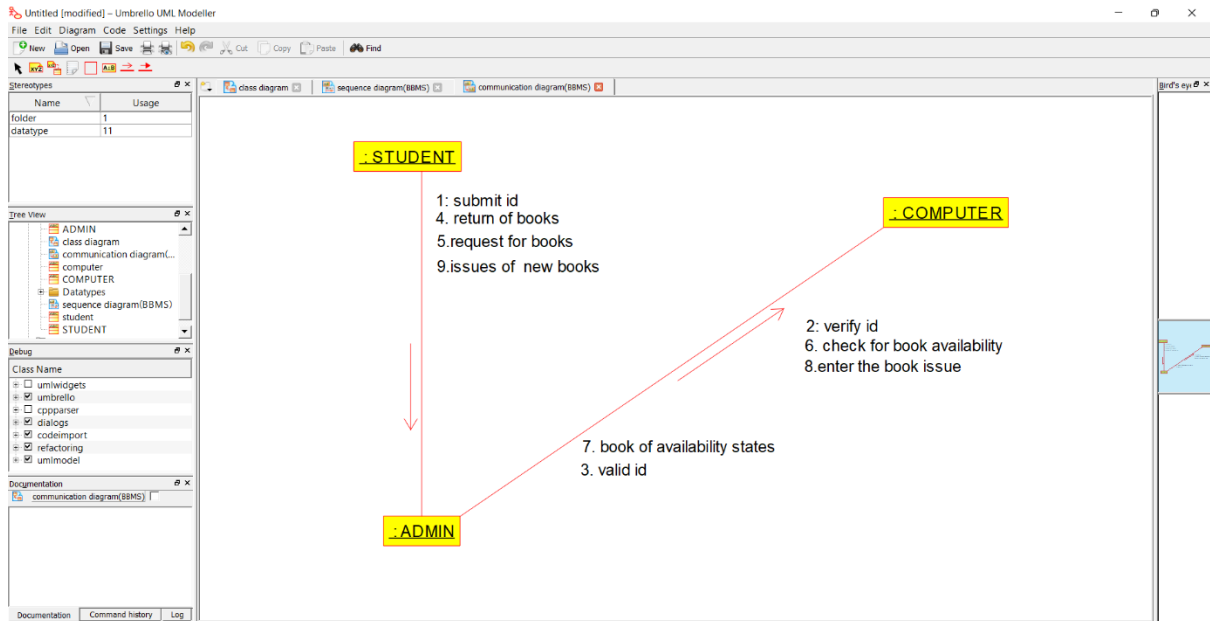
ACTIVITY DIAGRAM:



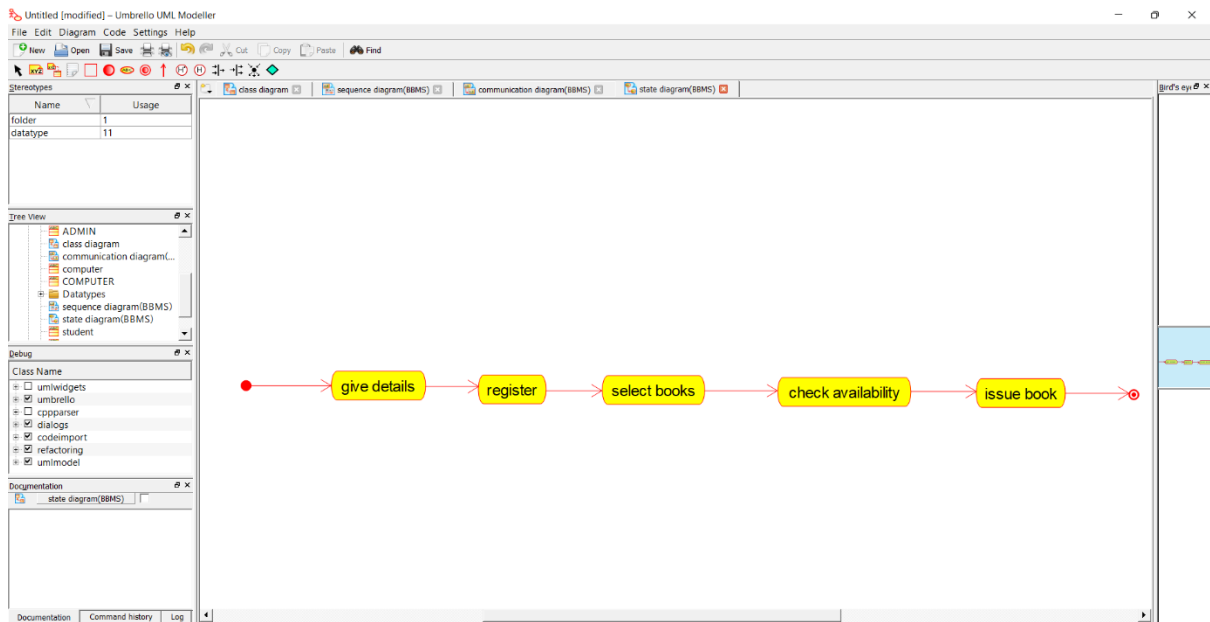
SEQUENCE DIAGRAM:



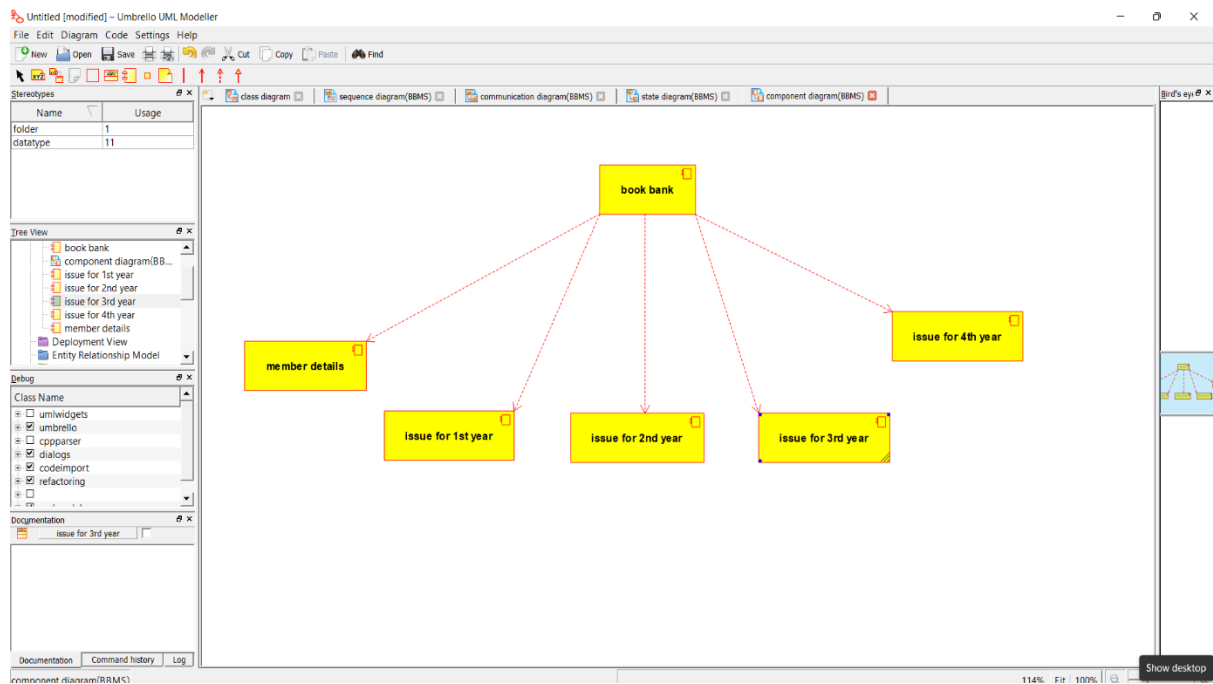
COLLABORATION DIAGRAM:



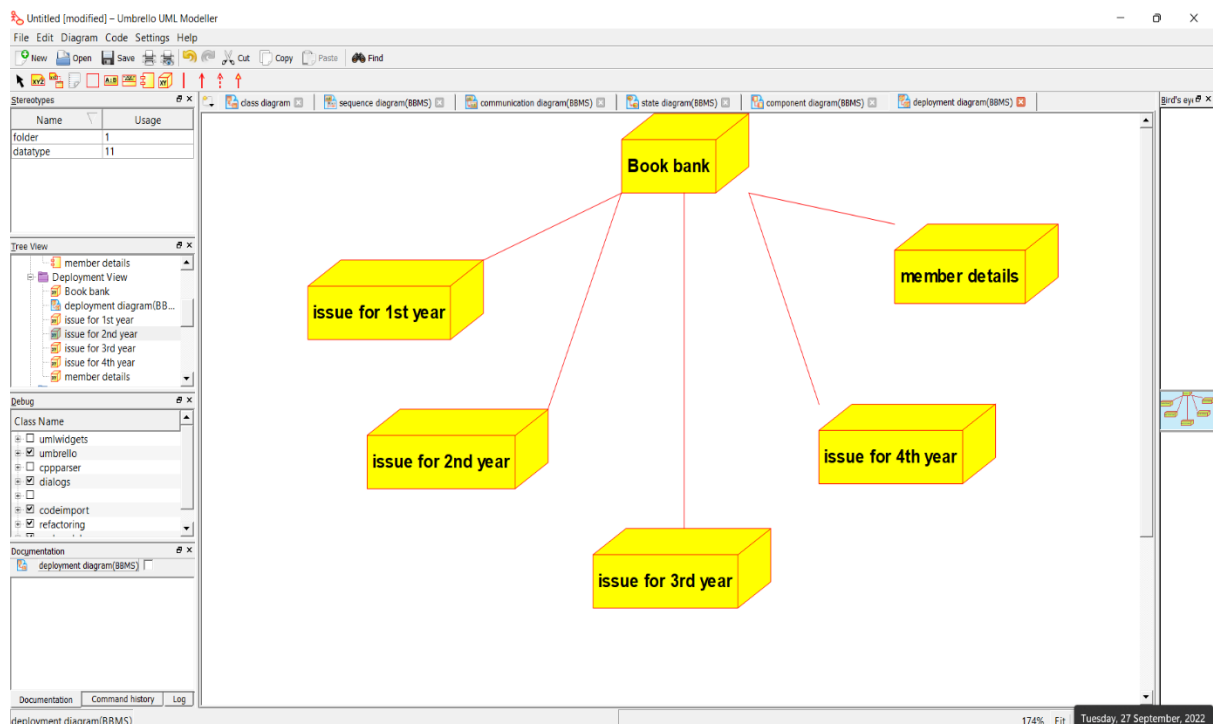
STATE CHART DIAGRAM:



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 {  
  
  
  
  
  
  
  
  
  
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()
```

```
{
```

```
}
```

```
}
```