

ANALYSIS:

2.1 Identifying Actors:

Member

Shop

Librarian

Clerk

Book bank

2. Identifying Use Cases:

Give the name of book

Give info about damaged books

Buy the book

Provide the available books

Enter details about member

Return the book

3. Identifying Classes:

Member

Book bank

Clerk

Book shop

4. Identifying Attributes:

Member name

Member detail

Amount

Member id

Book detail

payment

5. Identifying Methods:

Get id

Entry

Update

Get book

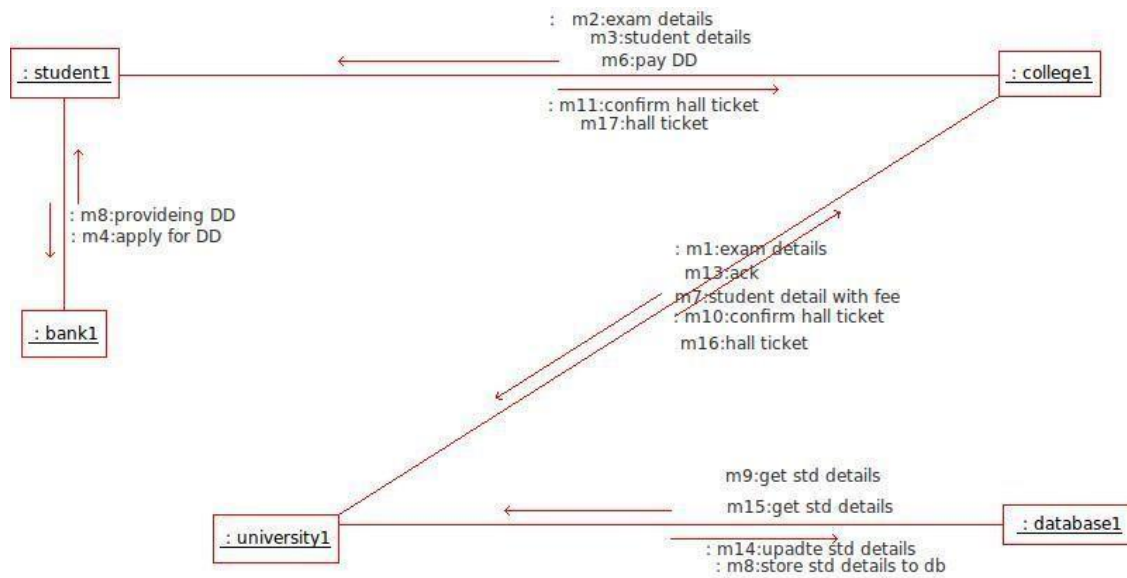
ValidateLogin

Buying supply

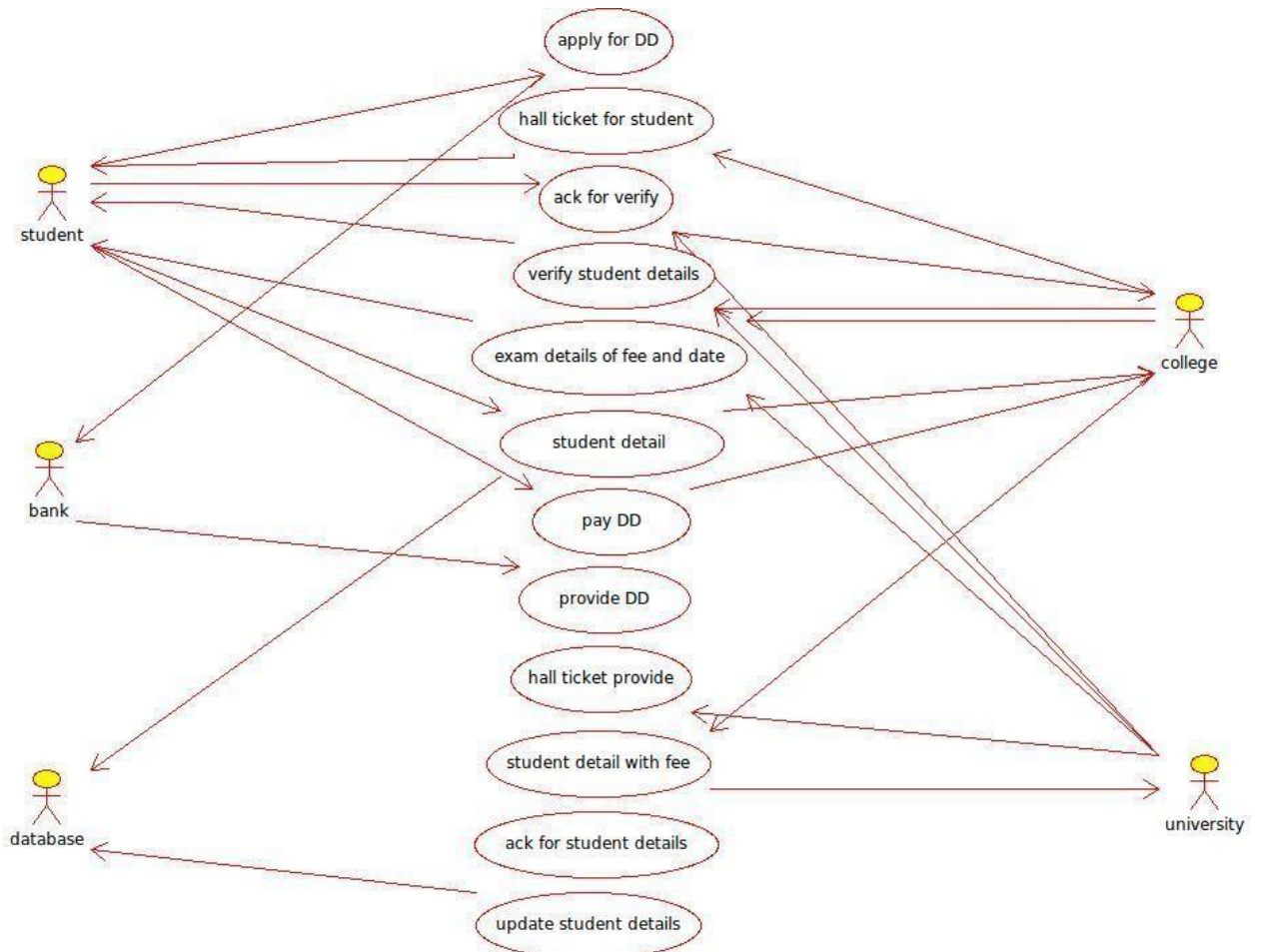
Identifying Relationship:

Association

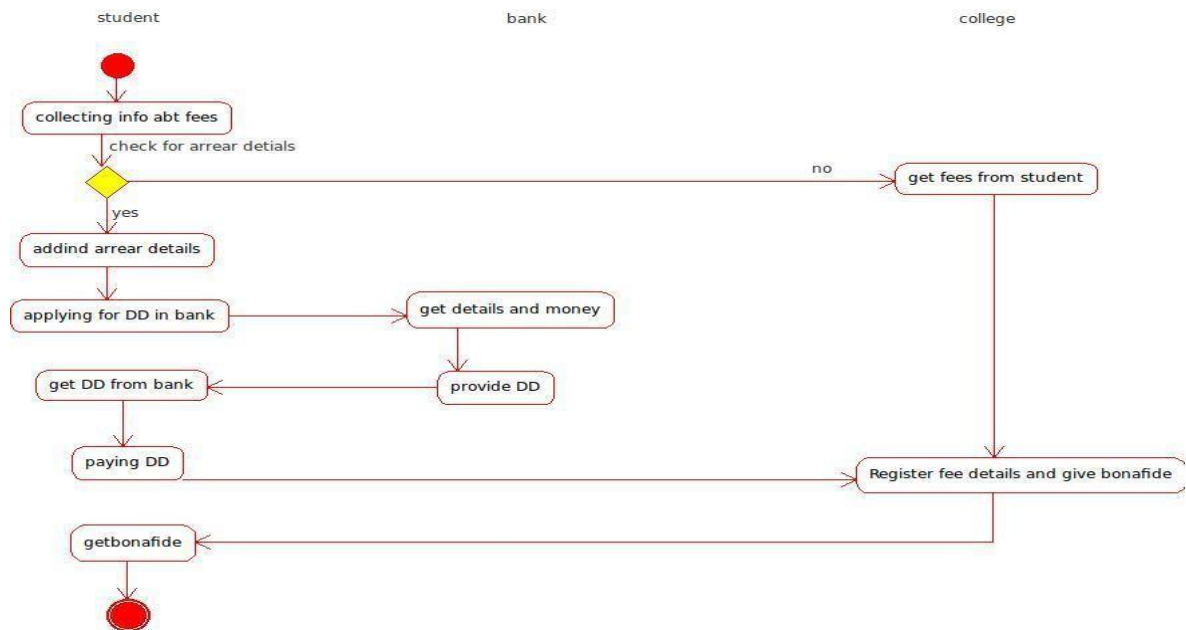
COLLABORATION DIAGRAM



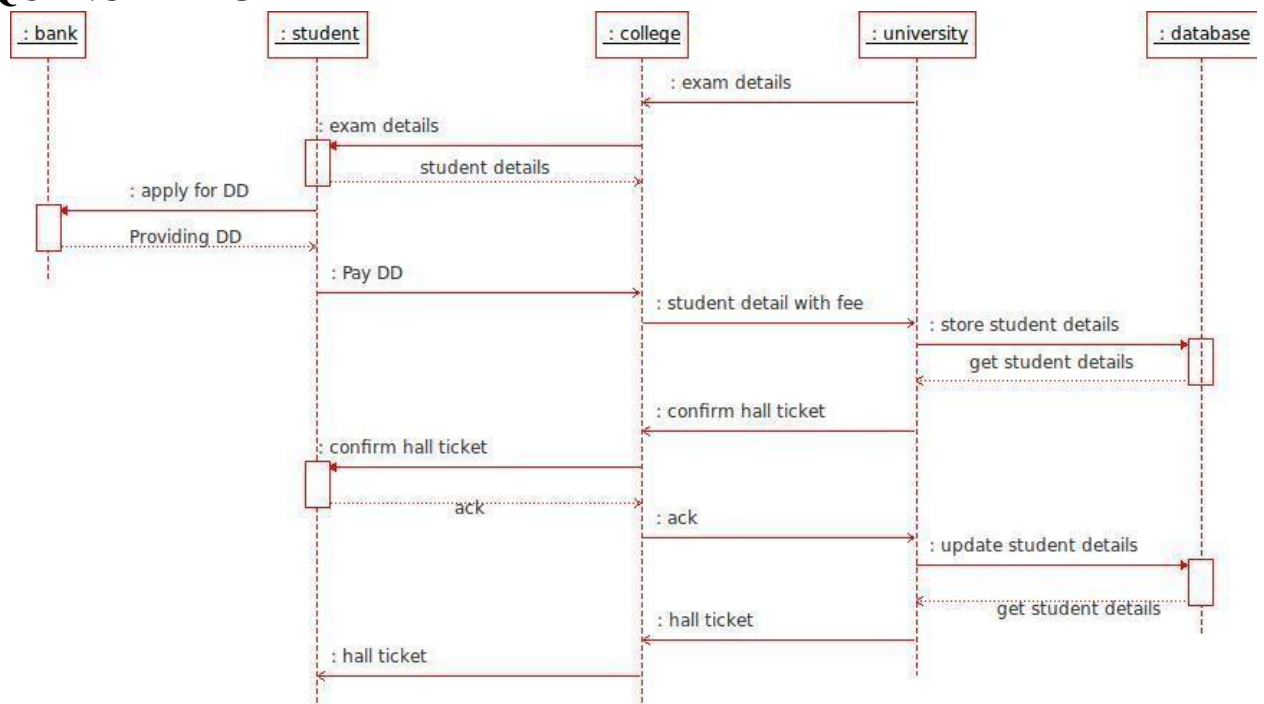
USECASE DIAGRAM



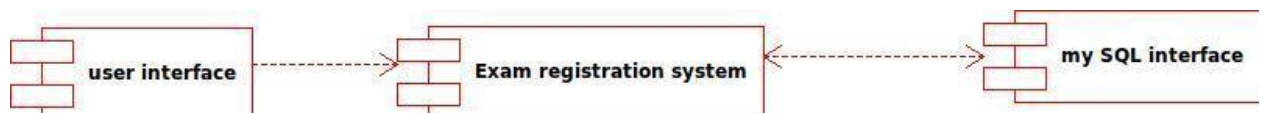
ACTIVITY DIAGRAM



SEQUENCE DIAGRAM



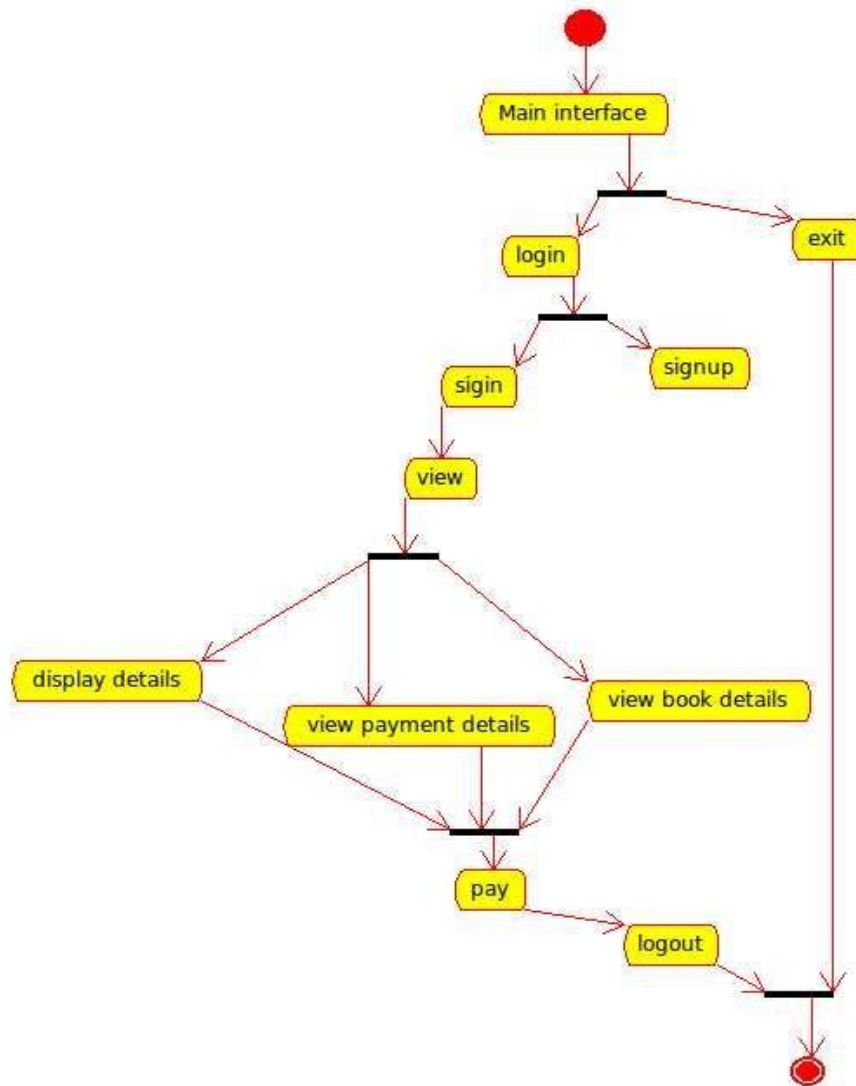
COMPONENT DIAGRAM



DEPLOYMENT DIAGRAM



STATE CHART DIAGRAM



OUTPUT

BANK.java

```
/**
 * Class Bank
 */ public class
Bank { // Fields
private String
name;
private String
addr; private
String branch;
// Constructors
```

```

public Bank ()
{ }; // Methods
// Accessor methods
/**
 * Set the value of name
 * @param newVar the new value of name
 */ private void setName ( String
newVar ) {
    name = newVar;
}
/**
 * Get the value of name
 * @return the value of name
 */ private String
getName ( ) {
    return name;
}
/**
 * Set the value of addr
 * @param newVar the new value of addr
 */ private void setAddr ( String
newVar ) {
    addr = newVar;
}
/**
 * Get the value of addr
 * @return the value of addr
 */ private String
getAddr ( ) { return
addr;
}
/**
 * Set the value of branch
 * @param newVar the new value of branch
 */ private void setBranch ( String
newVar ) {
    branch = newVar;
}

```

```

/**
 * Get the value of branch
 * @return the value of branch
 */ private String
getBranch ( ) {
    return branch;
}
// Other methods
public void
getMoney( )
{
}
public void provideDD( )
{
}
public class
Student { //
Fields private
String stuname;
private int stuid;
// Constructors
public Student ()
{ }; // Methods
// Accessor methods
/**
 * Set the value of stuname
 * @param newVar the new value of stuname
 */ private void setStuname ( String
newVar ) {
    stuname = newVar;
}
/**
 * Get the value of stuname
 * @return the value of stuname
 */
private String getStuname ( ) {
    return stuname;
}

```

```

/**
 * Set the value of stuid
 * @param newVar the new value of stuid
 */ private void setStuid ( int
newVar ) {
    stuid = newVar;
}
/**
 * Get the value of stuid
 * @return the value of stuid
 */ private int
getStuid ( ) {
    return stuid;
}
// Other methods
public void provid_Details( )
{
}
public void getExamdet( )
{
}
public void getHallticket( )
{
} public void
giveMoney( )
{
} public void
getDD( )
{
}
}

```