|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | cat\_id | INT | PRIMARY KEY | Unique identifier for category |
| 2 | Name | VARCHAR (255) | NOT NULL | Name of the category |
| 3 | Desc | TEXT |  | Description of the category |

1.tbl\_category

Primary key:cat\_id

2.tbl\_subcategory

Primary key : sub\_id

Foreign key : cat\_id(reference tbl\_category )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | sub\_id | INT | PRIMARY KEY | Unique identifier for subcategory |
| 2 | Name | VARCHAR (255) | NOT NULL | Name of the subcategory |
| 3 | Desc | TEXT |  | Description of the subcategory |
| 4 | cat\_id | INT | FOREIGN KEY | Refer to category table Id |

3.tbl\_product

Primary key : prod\_id

Foreign key : sub\_id(reference tbl\_subcategory )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | prod\_id | INT | PRIMARY KEY | Unique identifier for product |
| 2 | Name | VARCHAR (255) | NOT NULL | Name of the product |
| 3 | Desc | TEXT |  | Description of the product |
| 4 | Price | DECIMAL(25) | NOT NULL | Price of the product |
| 5 | Woodtype | VARCHAR (255) |  | Type of wood used |
| 6 | Img | VARCHAR (100) |  | URL of the product |
| 7 | sub\_id | INT | FOREIGN KEY | Refer to subcategory table Id |

4.tbl\_usertype

Primary key : type\_id

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | type\_id | INT | PRIMARY KEY | Unique identifier for usertype |
| 2 | Typename | VARCHAR (100) | NOT NULL | Name of the usertype |
| 3 | Desc | TEXT |  | Description of the usertype |

5.tbl\_login

Primary key : login\_id

Foreign key : type\_id(reference tbl\_usertype )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | login\_id | INT | PRIMARY KEY | Unique identifier for login |
| 2 | Username | VARCHAR (100) | NOT NULL | Username of login |
| 3 | Password | VARCHAR (60) | NOT NULL | password |
| 4 | Type\_id | INT | FOREIGN KEY | Refer to usertype table Id |

6.tbl\_user

Primary key : user\_id

Foreign key : login\_id(reference tbl\_login )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | User\_id | INT | PRIMARY KEY | Unique identifier for user |
| 2 | Full name | VARCHAR(250) | NOT NULL | Fullname of user |
| 3 | phone | VARCHAR(159) | NOT NULL | Phone number of user |
| 4 | address | TEXT |  | Address of the user |
| 5 | email | VARCHAR(150) | NOT NULL | Email of the user |
| 6 | login\_id | INT | FOREIGN KEY | Refer to login table Id |

7.tbl\_cart

Primary key : cart\_id

Foreign key : user\_id(reference tbl\_user ),payment\_id(reference tbl\_payment Id)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | cart\_id | INT | PRIMARY KEY | Unique identifier for cart |
| 2 | user\_id | INT | FOREIGN KEY | Refer to user table Id |
| 3 | prod\_id | INT | FOREIGN KEY | Refer to product table Id |
| 4 | Quantity | INT | NOT NULL | Number of items in the cart |

8.tbl\_order

Primary key : order\_id

Foreign key : user\_id(reference tbl\_user ),payment\_id(reference tbl\_payment Id),prod\_id (reference tbl\_product Id)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | order\_id | INT | PRIMARY KEY | Unique identifier for order |
| 2 | user\_id | INT | FOREIGN KEY | Refer to user table Id |
| 3 | prod\_id | INT | FOREIGN KEY | Refer to product table Id |
| 4 | payment\_id | INT | FOREIGN KEY | Refer to payment table Id |
| 5 | orderdate | DATE | NOT NULL | Date of the order placed |
| 6 | status | VARCHAR(120) | NOT NULL | Status of the order |

9.tbl\_payment

Primary key : payment\_id

Foreign key : order\_id(reference tbl\_order )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | payment\_id | INT | PRIMARY KEY | Unique identifier for payment |
| 2 | order\_id | INT | FOREIGN KEY | Refer to order table Id |
| 3 | Amount | DECIMAL | NOT NULL | Amount paid |
| 4 | Paymentmethod | VARCHAR | NOT NULL | Method of payment |
| 5 | Payment status | VARCHAR | NOT NULL | Status of payment |

10.tbl\_seller

Primary key : seller\_id

Foreign key : login\_id(reference tbl\_login )

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | seller\_id | INT | PRIMARY KEY | Unique identifier for seller |
| 2 | phone | VARCHAR | NOT NULL | Phonenumber of seller |
| 3 | login\_id | INT | FOREIGIN KEY | Refer to login table Id |

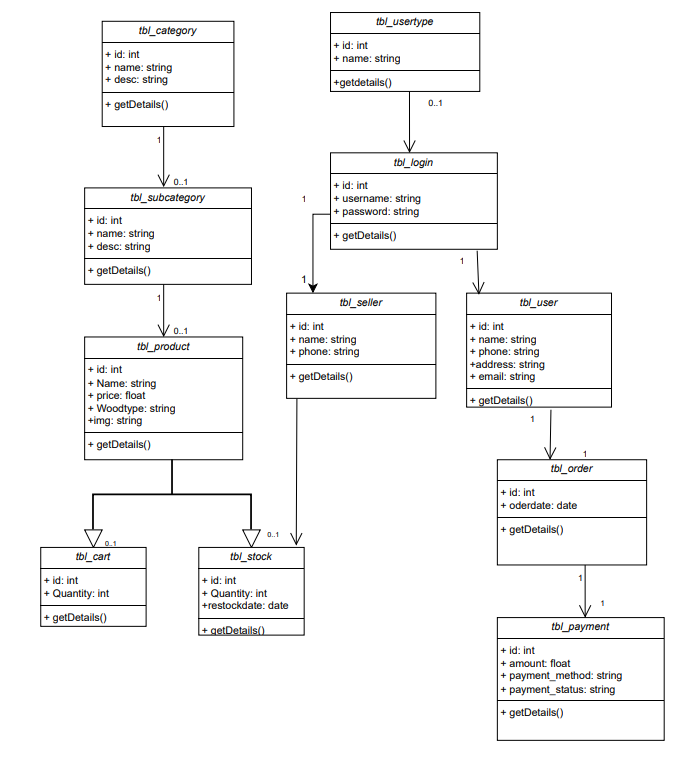
11.tbl\_stock

Primary key : stock\_id

Foreign key : product\_id(reference tbl\_product Id),seller\_id (reference tbl\_seller Id)

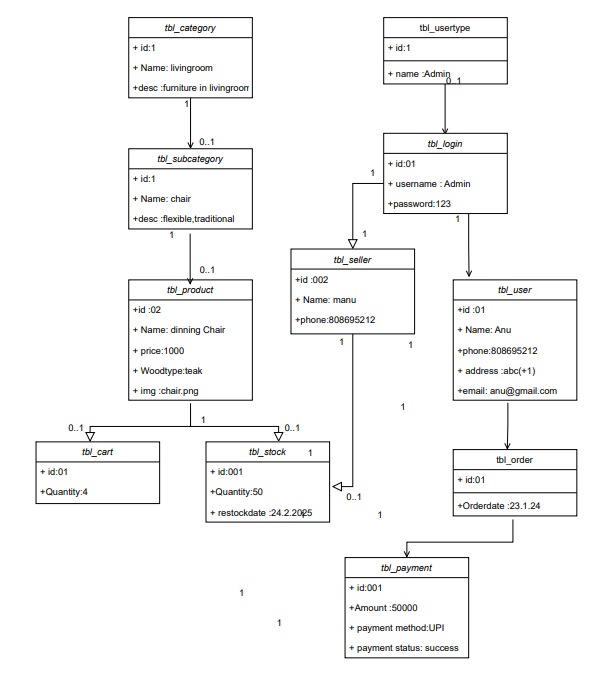
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SL.NO | FIELD NAME | DATETYPE(SIZE) | KEY CONSTRAINTS | DESCRIPTION |
| 1 | stock­\_id | INT | PRIMARY KEY | Unique identifier for seller |
| 2 | prod\_id | INT | FOREIGN KEY | Refer to product table Id |
| 3 | Quantity | INT | NOT NULL | Number of items in stock |
| 4 | Restock Date | DATE |  | Date when stock was updated |
| 5 | seller\_id | INT | FOREIGN KEY | Refer to seller table Id |

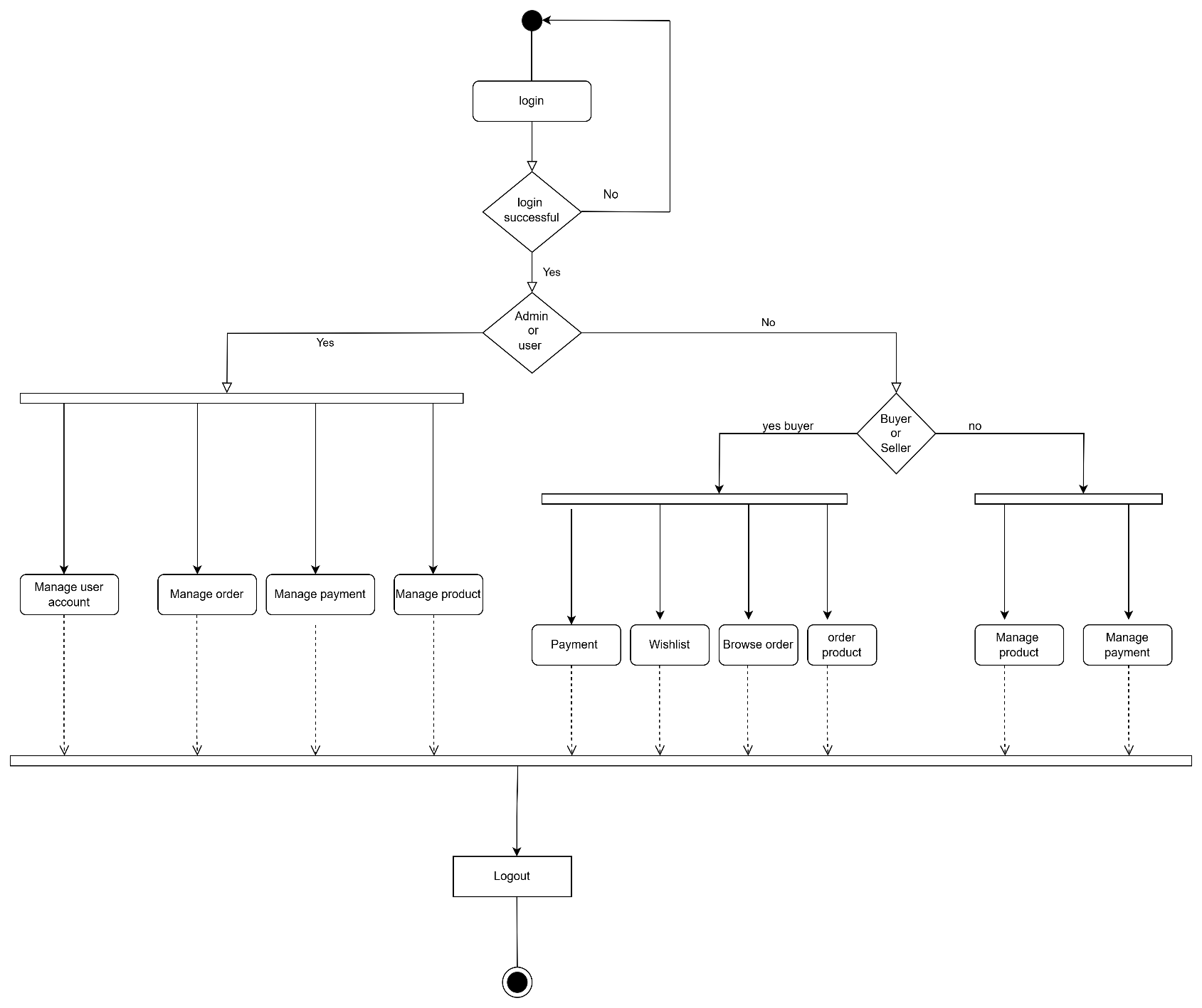
Class diagram

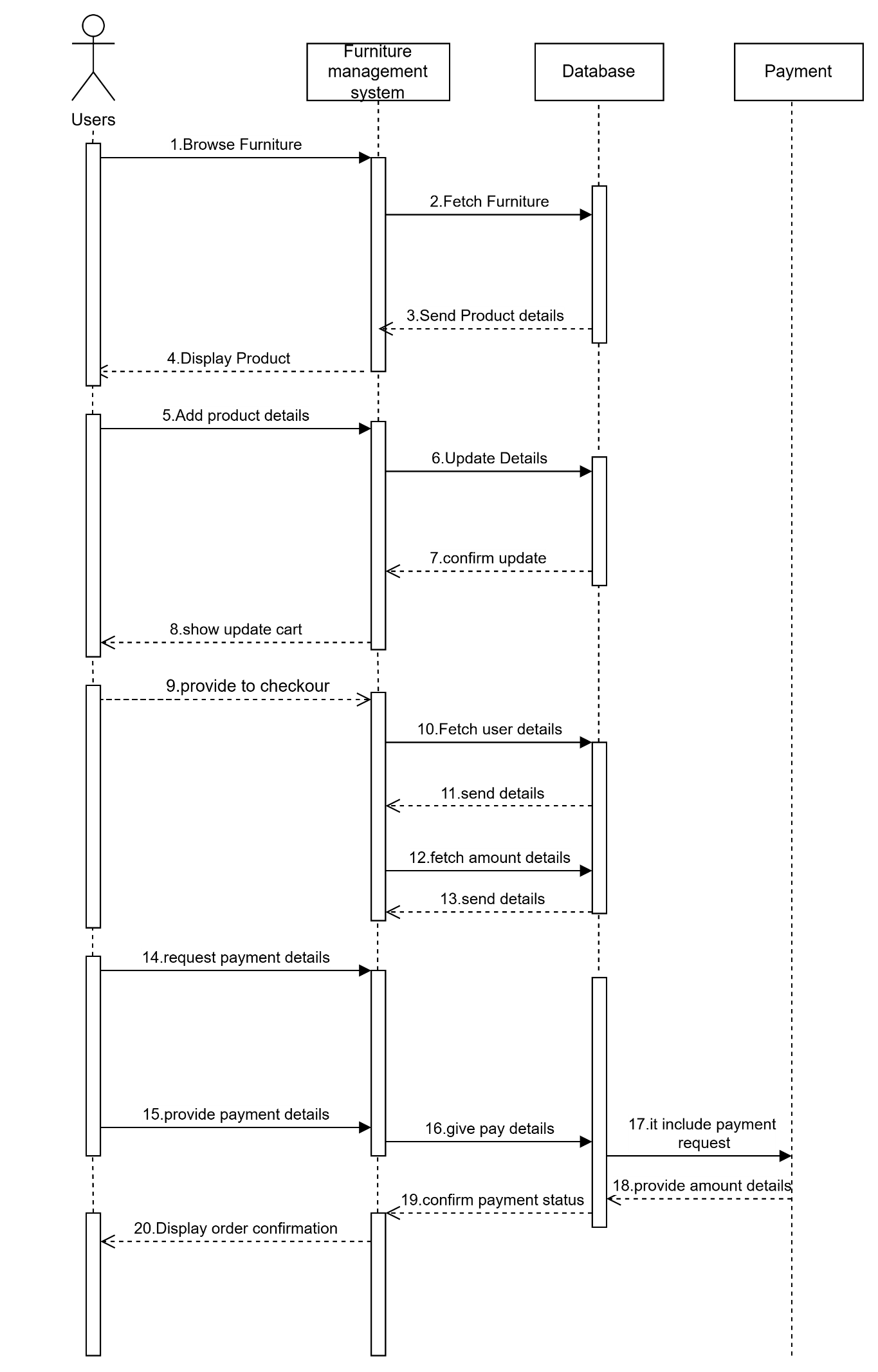


Object Diagram

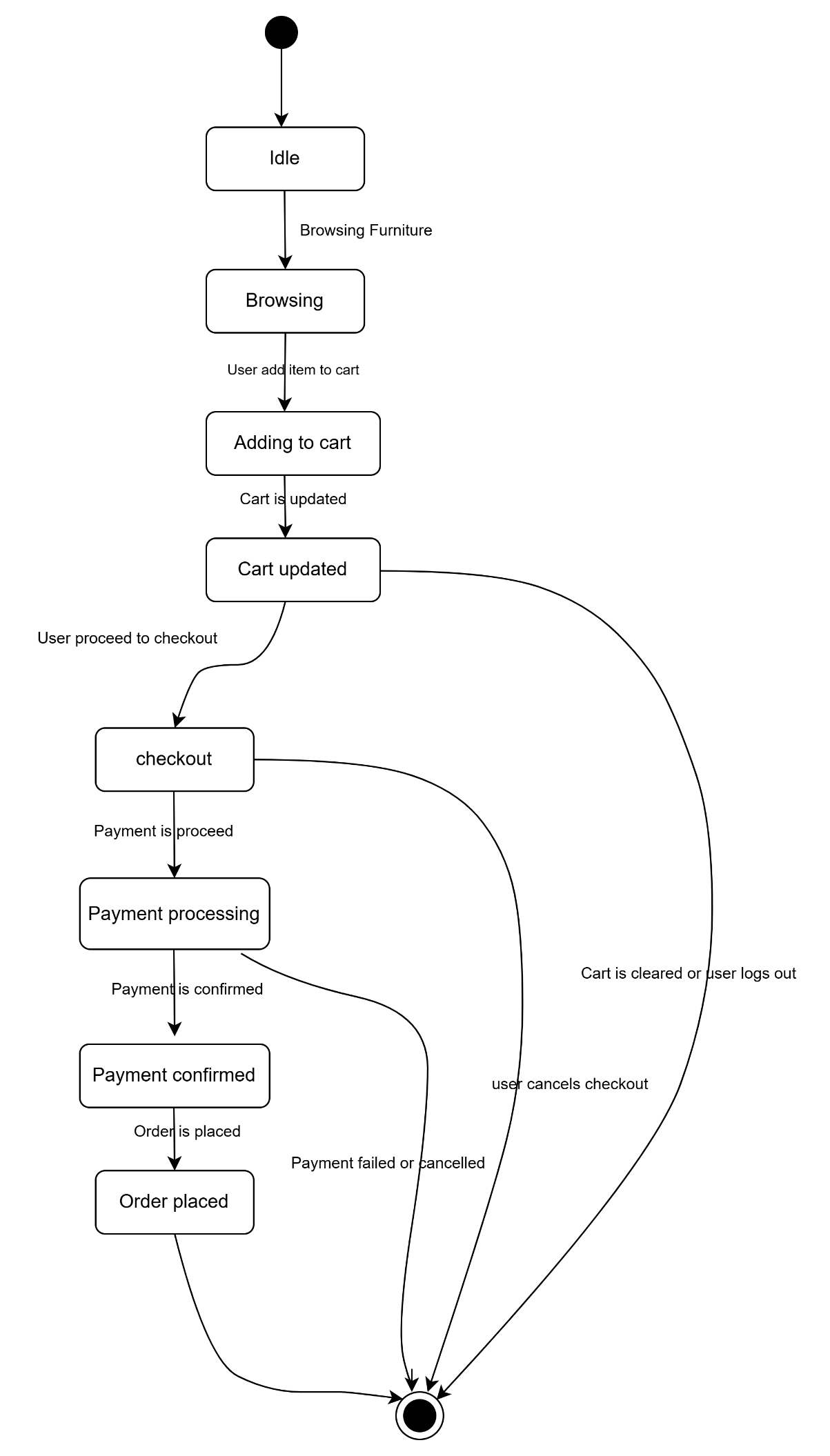
Object diagram



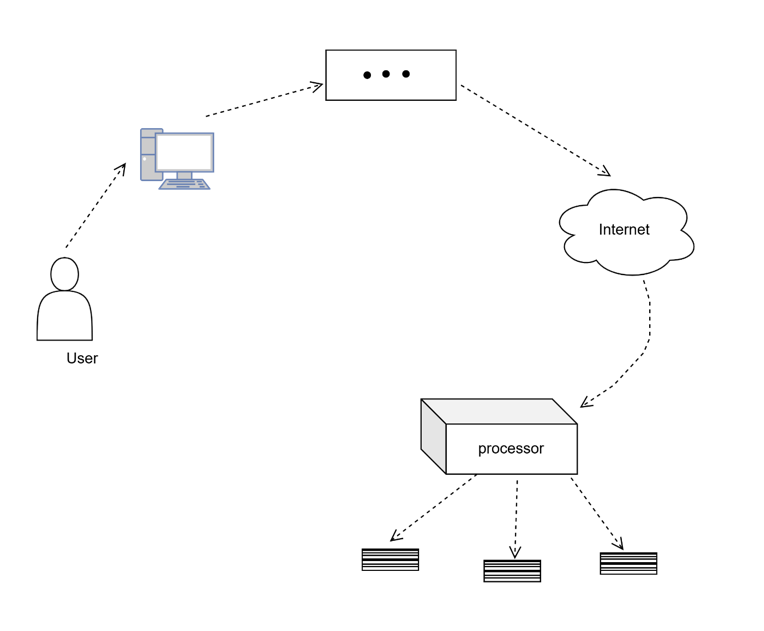
Activity diagram

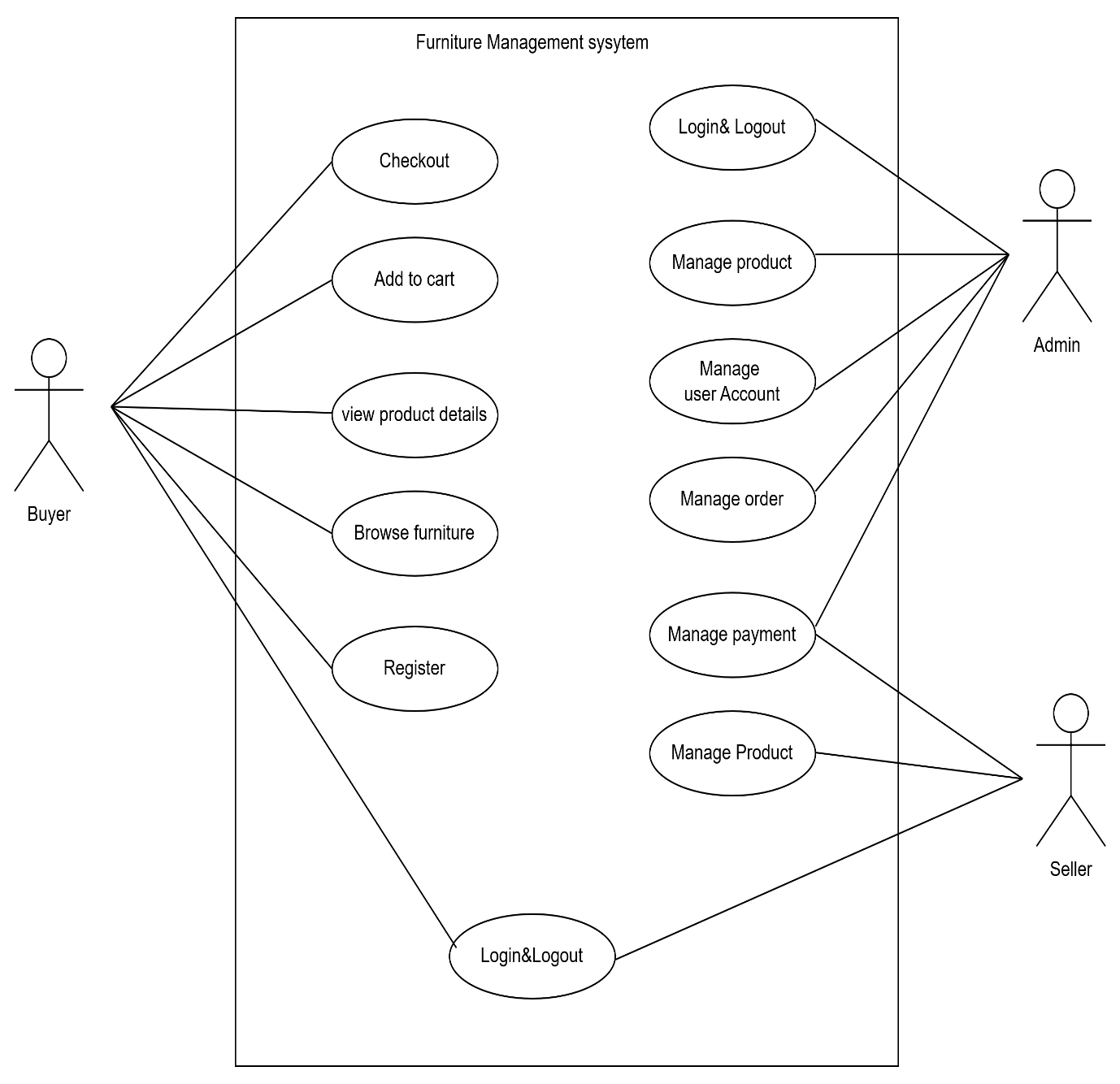
Sequence diagram

State chart diagram



Deployment Diagram



Use case diagram