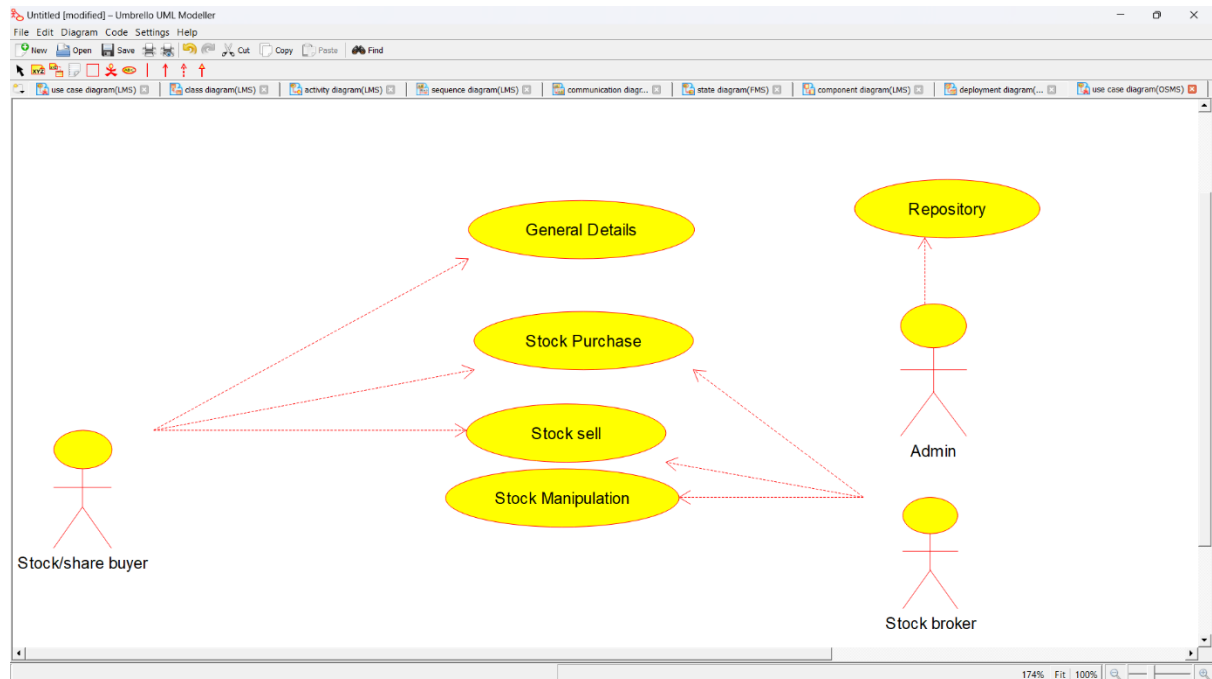# EXPERIMENT 24: ONLINE STOCK MONITORING SYSTEM
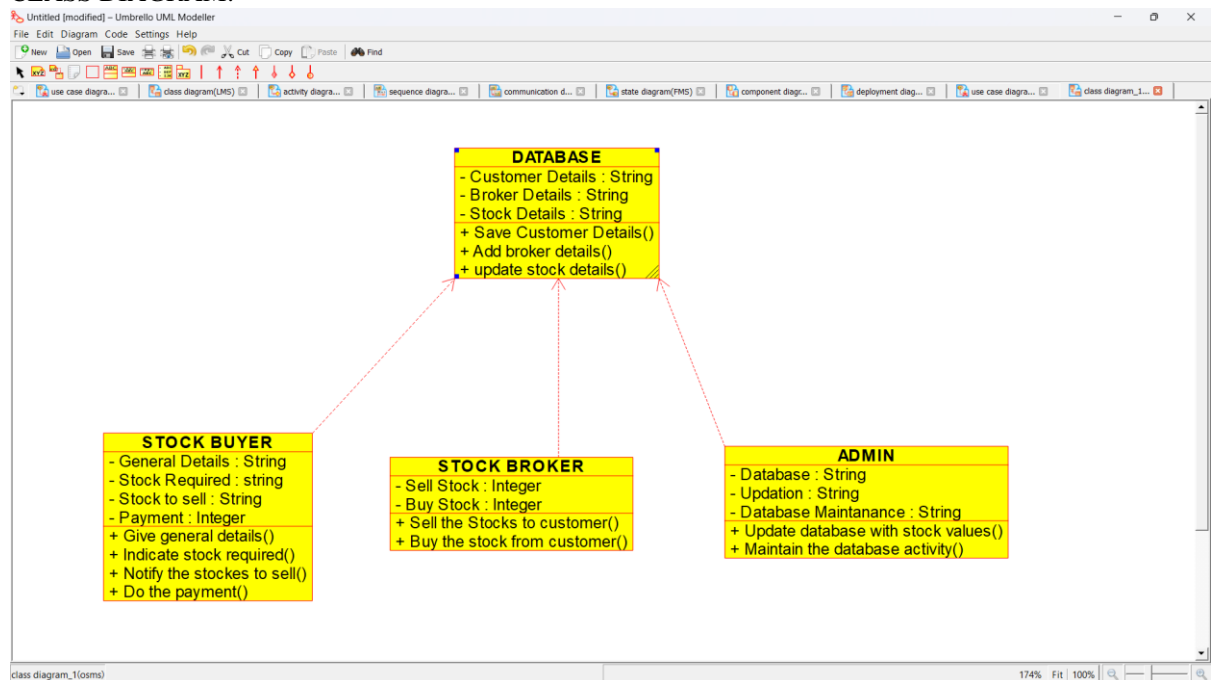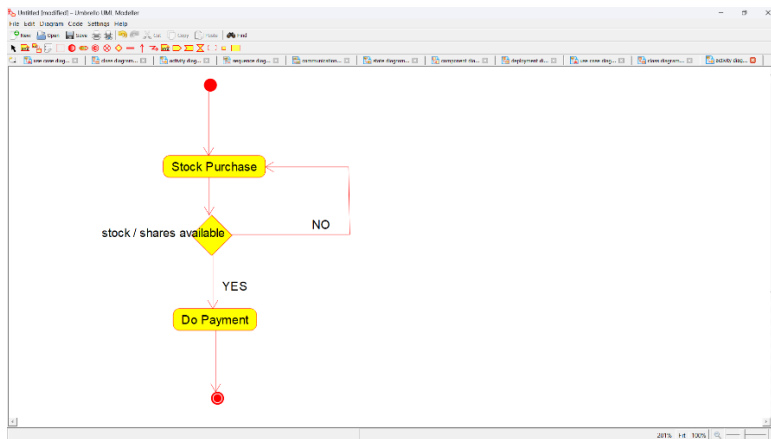
USE CASE DIAGRAM:
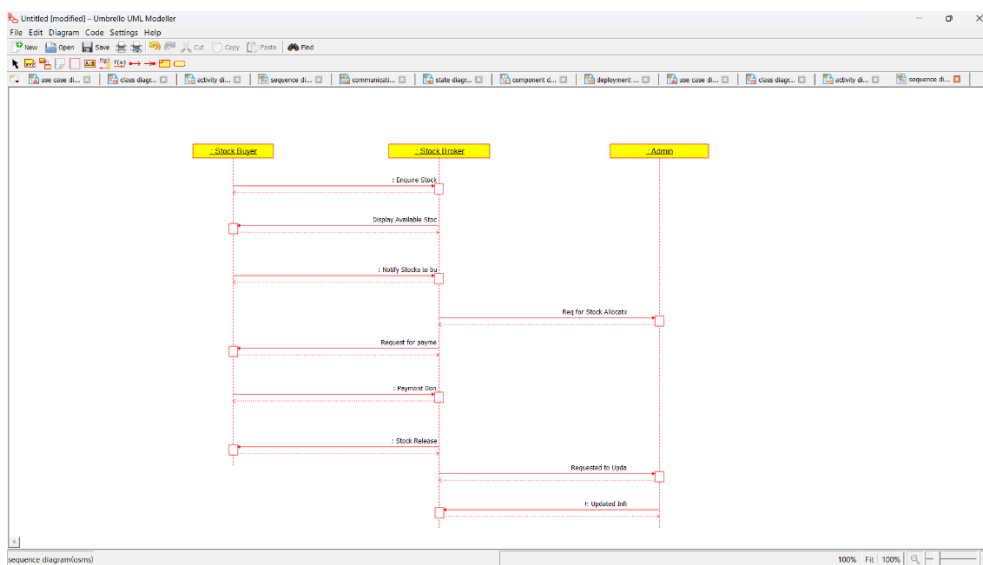

CLASS DIAGRAM:

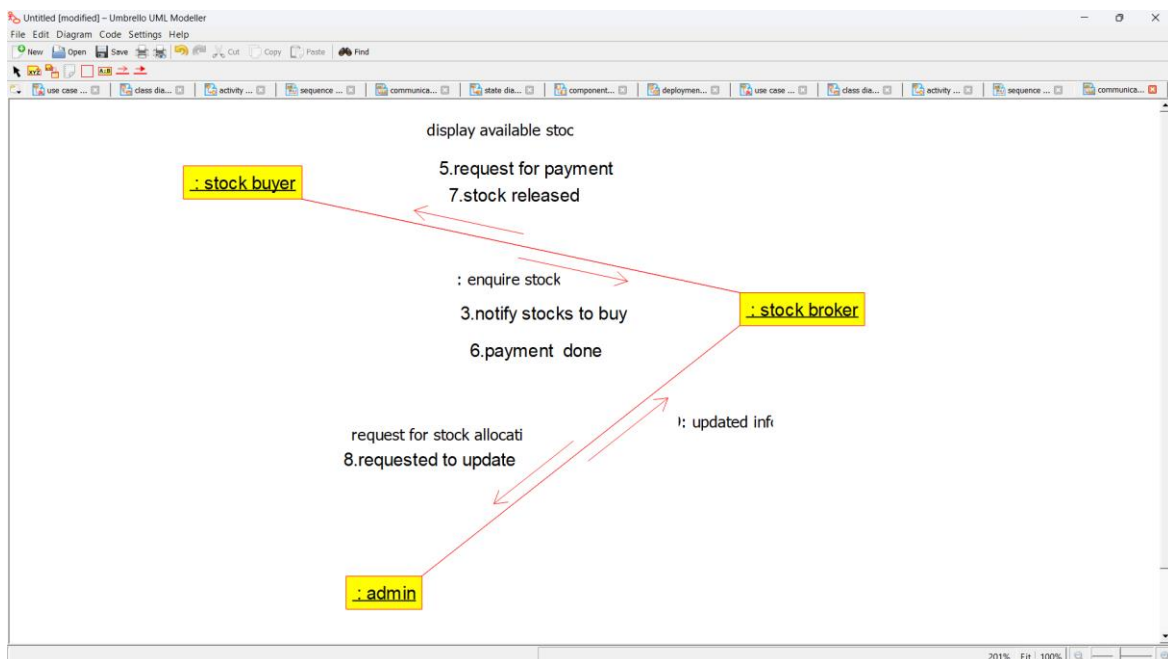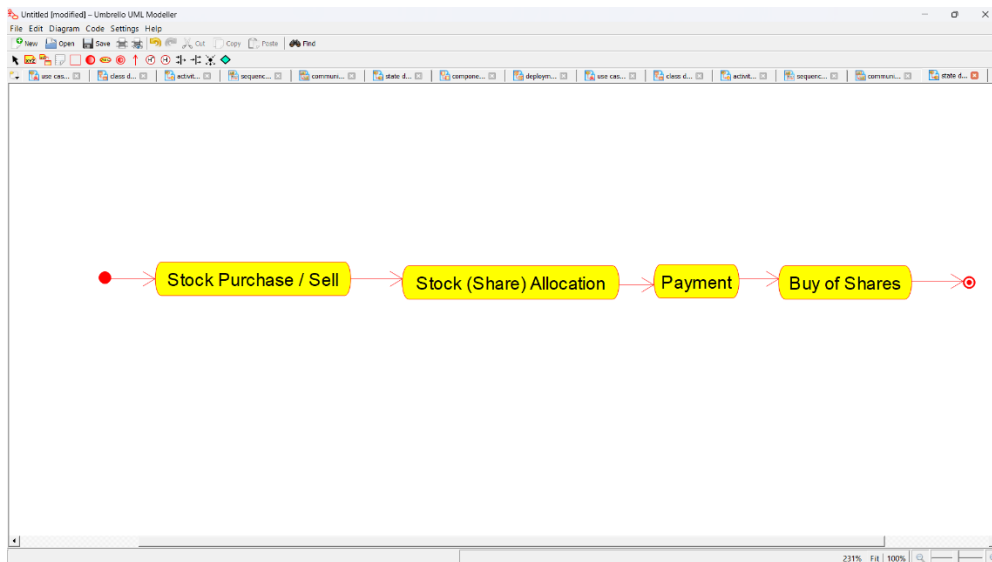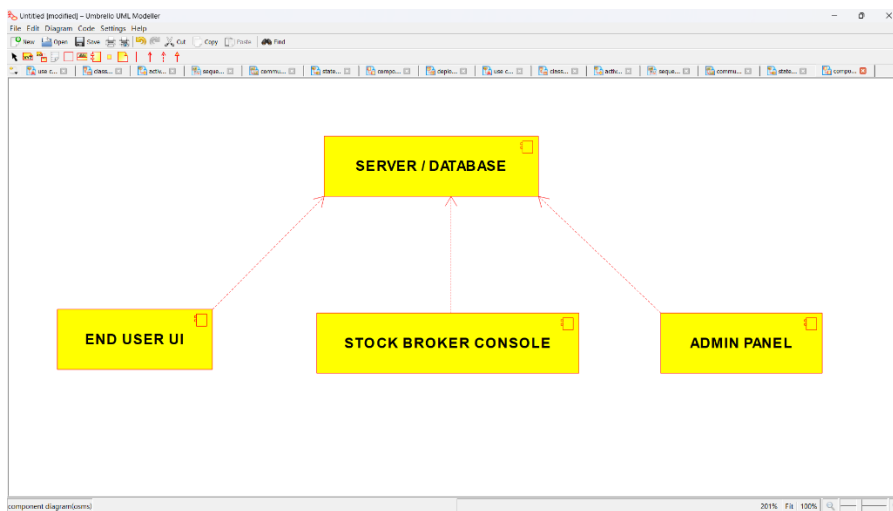ACTIVITY DIAGRAM:

SEQUENCE DIAGRAM:
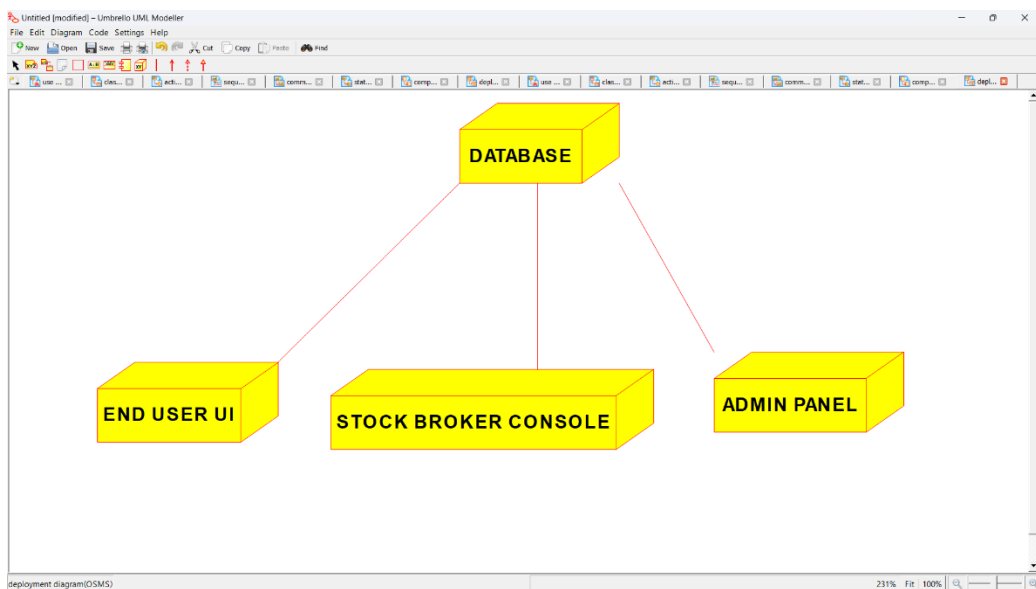

COLLABORATION DIAGRAM:

STATE CHART DIAGRAM:

COMPONENT DIAGRAM:

DEPLOYMENT DIAGRAM:

PROGRAM CODING:

```java
/**
 * Class ADMIN
 */
public class ADMIN {
 //
 // Fields
 //
 private String Database;
 private String Updation;
 private String Database_Maintanance;
 //
 // Constructors
 //
 public ADMIN () { };
 //
 // Methods
 //
 //
 // Accessor methods
 //
 /**
  * Set the value of Database
  * @param newVar the new value of Database
  */
 private void setDatabase (String newVar) {
  Database = newVar;
 }
 /**
  * Get the value of Database
  * @return the value of Database
  */
 private String getDatabase () {
  return Database;
 }
 /**
  * Set the value of Updation
  * @param newVar the new value of Updation
  */
 private void setUpdation (String newVar) {
  Updation = newVar;
 }
 /**
  * Get the value of Updation
  * @return the value of Updation
  */
 private String getUpdation () {
  return Updation;
 }
 /**
  * Set the value of Database_Maintanance
  * @param newVar the new value of Database_Maintanance
  */
 private void setDatabase_Maintanance (String newVar) {
  Database_Maintanance = newVar;
 }
 /**
  * Get the value of Database_Maintanance
  * @return the value of Database_Maintanance
  */
 private String getDatabase_Maintanance () {
  return Database_Maintanance;
 }
 //
 // Other methods
 //
 /**
  */
 public void Update_database_with_stock_values()
 {
 }
 /**
  */
```

```java
  public void Maintain_the_database_activity()
  {
  }
}
/**
 * Class DATABASE
 */
public class DATABASE {
  //
  // Fields
  //
  private String Customer_Details;
  private String Broker_Details;
  private String Stock_Details;
  //
  // Constructors
  //
  public DATABASE () { };
  //
  // Methods
  //
  //
  // Accessor methods
  //
  /**
   * Set the value of Customer_Details
   * @param newVar the new value of Customer_Details
   */
  private void setCustomer_Details (String newVar) {
    Customer_Details = newVar;
  }
  /**
   * Get the value of Customer_Details
   * @return the value of Customer_Details
   */
  private String getCustomer_Details () {
    return Customer_Details;
  }
  /**
   * Set the value of Broker_Details
   * @param newVar the new value of Broker_Details
   */
  private void setBroker_Details (String newVar) {
    Broker_Details = newVar;
  }
  /**
   * Get the value of Broker_Details
   * @return the value of Broker_Details
   */
  private String getBroker_Details () {
    return Broker_Details;
  }
  /**
   * Set the value of Stock_Details
   * @param newVar the new value of Stock_Details
   */
  private void setStock_Details (String newVar) {
    Stock_Details = newVar;
  }
  /**
   * Get the value of Stock_Details
   * @return the value of Stock_Details
   */
  private String getStock_Details () {
    return Stock_Details;
  }
  //
  // Other methods
  //
  /**
   */
  public void Save_Customer_Details()
  {
  }
  /**
```

```java
   */
  public void Add_broker_details()
  {
  }
  /**
   */
  public void update_stock_details()
  {
  }
}
/**
 * Class STOCK_BROKER
 */
public class STOCK_BROKER {
 //
 // Fields
 //
 private Integer Sell_Stock;
 private Integer Buy_Stock;
 //
 // Constructors
 //
 public STOCK_BROKER () { };
 //
 // Methods
 //
 //
 // Accessor methods
 //
 /**
  * Set the value of Sell_Stock
  * @param newVar the new value of Sell_Stock
  */
 private void setSell_Stock (Integer newVar) {
  Sell_Stock = newVar;
 }
 /**
  * Get the value of Sell_Stock
  * @return the value of Sell_Stock
  */
 private Integer getSell_Stock () {
  return Sell_Stock;
 }
 /**
  * Set the value of Buy_Stock
  * @param newVar the new value of Buy_Stock
  */
 private void setBuy_Stock (Integer newVar) {
  Buy_Stock = newVar;
 }
 /**
  * Get the value of Buy_Stock
  * @return the value of Buy_Stock
  */
 private Integer getBuy_Stock () {
  return Buy_Stock;
 }
 //
 // Other methods
 //
 /**
  */
 public void Sell_the_Stocks_to_customer()
 {
 }
 /**
  */
 public void Buy_the_stock_from_customer()
 {
 }
}
/**
 * Class STOCK_BUYER
 */
public class STOCK_BUYER {
```

```java
//
// Fields
//
private String General_Details;
private String Stock_Required;
private String Stock_to_sell;
private Integer Payment;
//
// Constructors
//
public STOCK_BUYER () { };
//
// Methods
//
//
// Accessor methods
//
/**
 * Set the value of General_Details
 * @param newVar the new value of General_Details
 */
private void setGeneral_Details (String newVar) {
 General_Details = newVar;
}
/**
 * Get the value of General_Details
 * @return the value of General_Details
 */
private String getGeneral_Details () {
 return General_Details;
}
/**
 * Set the value of Stock_Required
 * @param newVar the new value of Stock_Required
 */
private void setStock_Required (String newVar) {
 Stock_Required = newVar;
}
/**
 * Get the value of Stock_Required
 * @return the value of Stock_Required
 */
private String getStock_Required () {
 return Stock_Required;
}
/**
 * Set the value of Stock_to_sell
 * @param newVar the new value of Stock_to_sell
 */
private void setStock_to_sell (String newVar) {
 Stock_to_sell = newVar;
}
/**
 * Get the value of Stock_to_sell
 * @return the value of Stock_to_sell
 */
private String getStock_to_sell () {
 return Stock_to_sell;
}
/**
 * Set the value of Payment
 * @param newVar the new value of Payment
 */
private void setPayment (Integer newVar) {
 Payment = newVar;
}
/**
 * Get the value of Payment
 * @return the value of Payment
 */
private Integer getPayment () {
 return Payment;
}
//
// Other methods
```

```java
    //
    /**
     */
    public void Give_general_details()
    {
    }
    /**
     */
    public void Indicate_stock_required()
    {
    }
    /**
     */
    public void Notify_the_stockes_to_sell()
    {
    }
    /**
     */
    public void Do_the_payment()
    {
    }
}
```