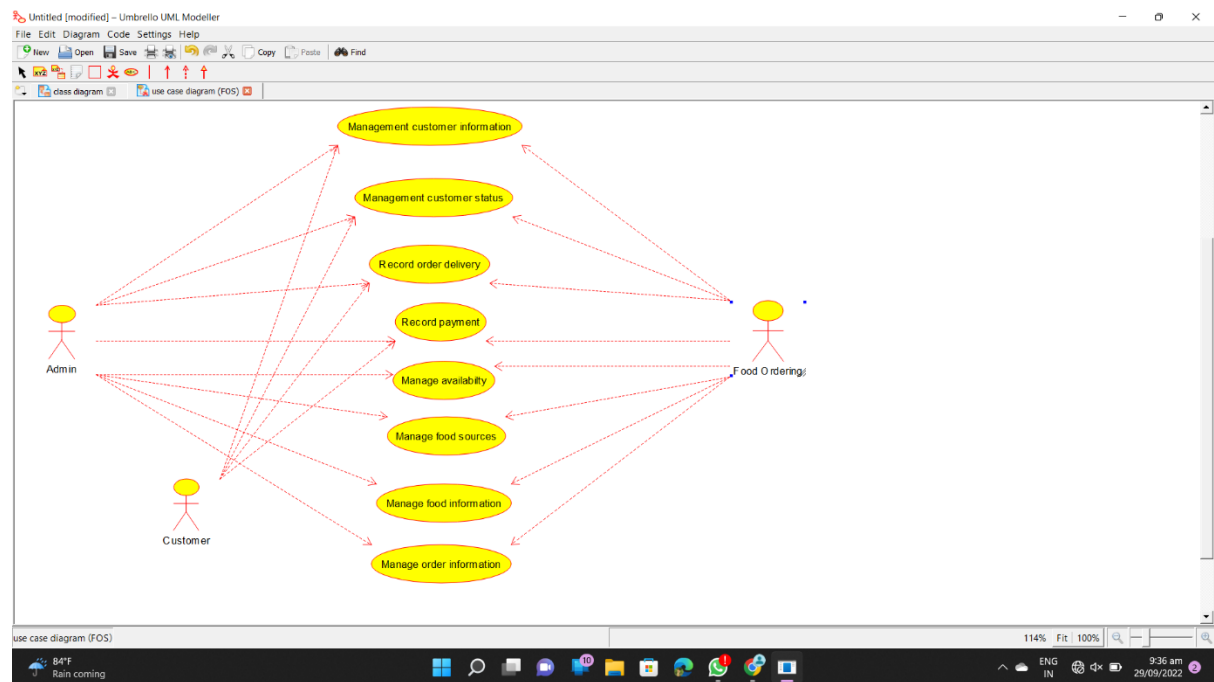# EXPERIMENT – 18 FOOD ORDERING SYSTEM [FOS]
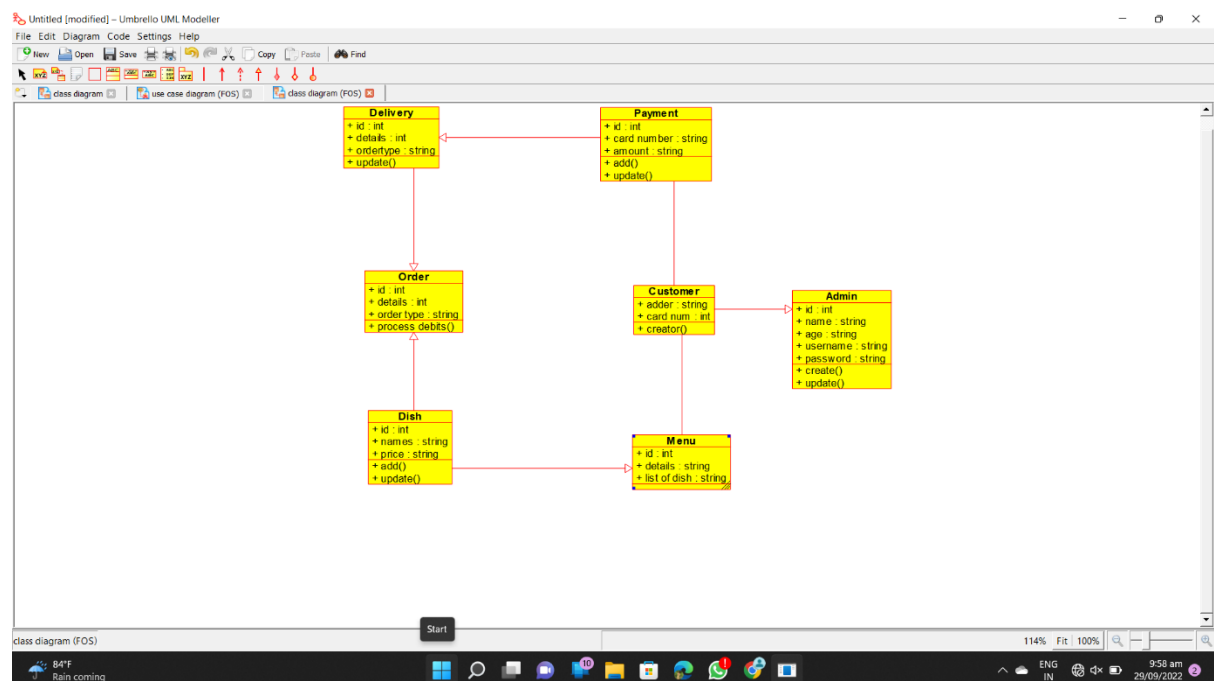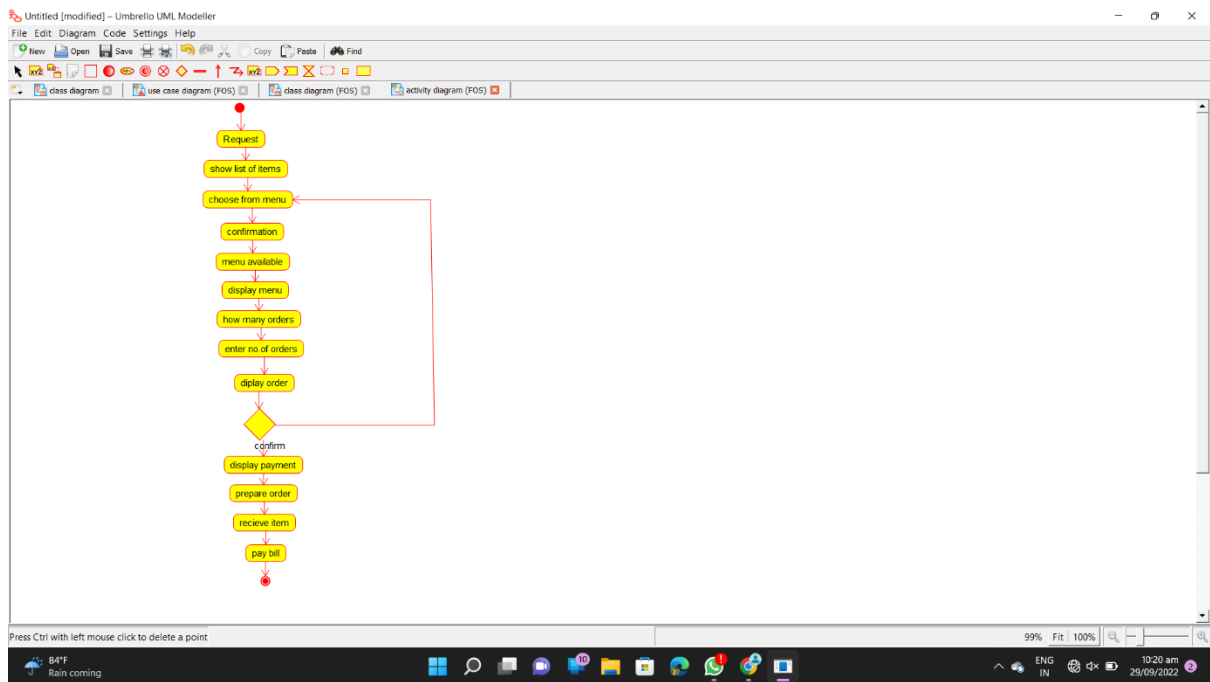
## USECASE DIAGRAM :-



## CLASS DIAGRAM :-

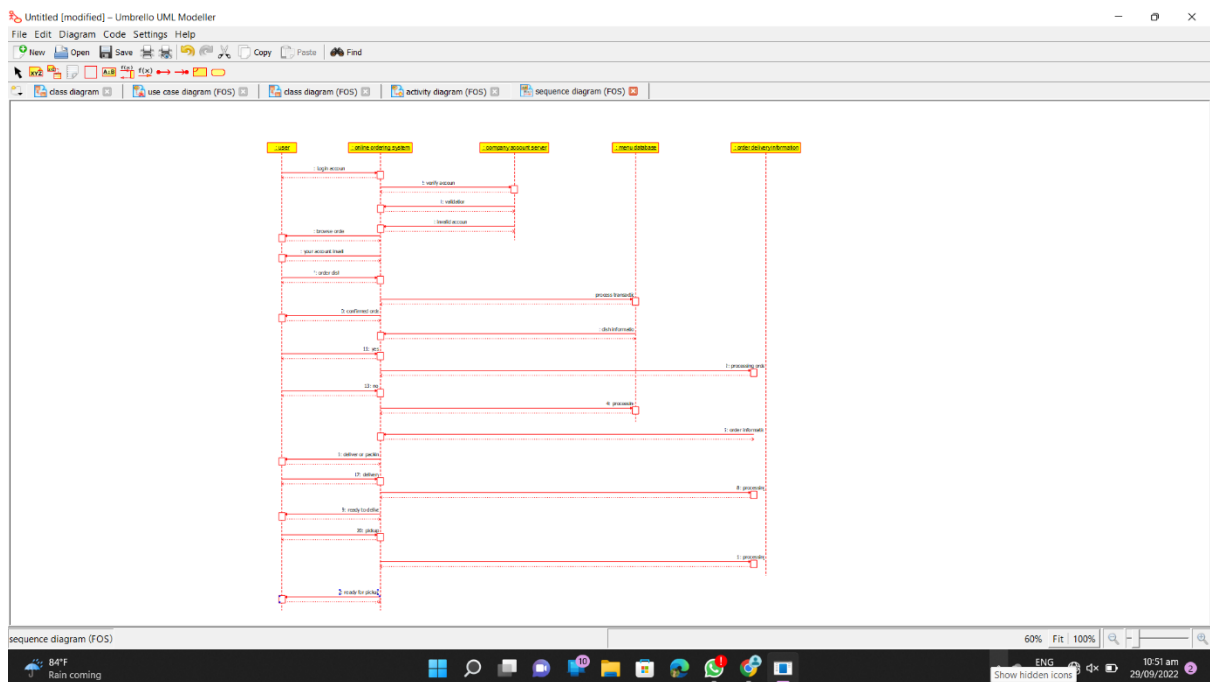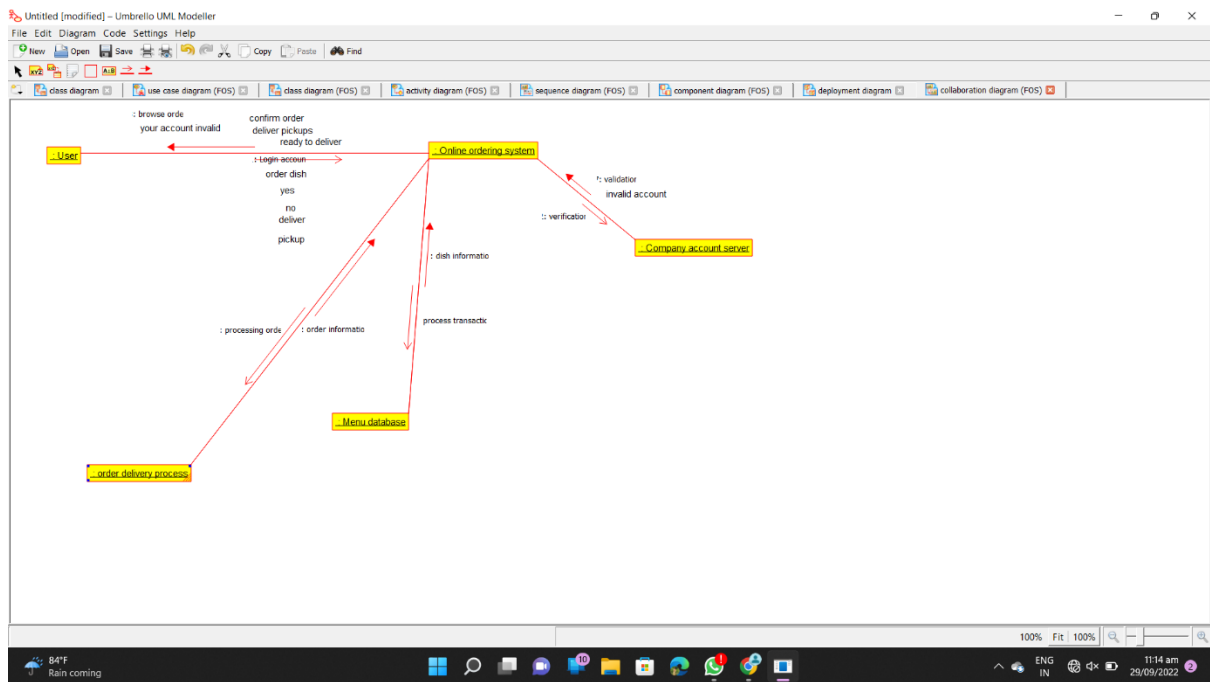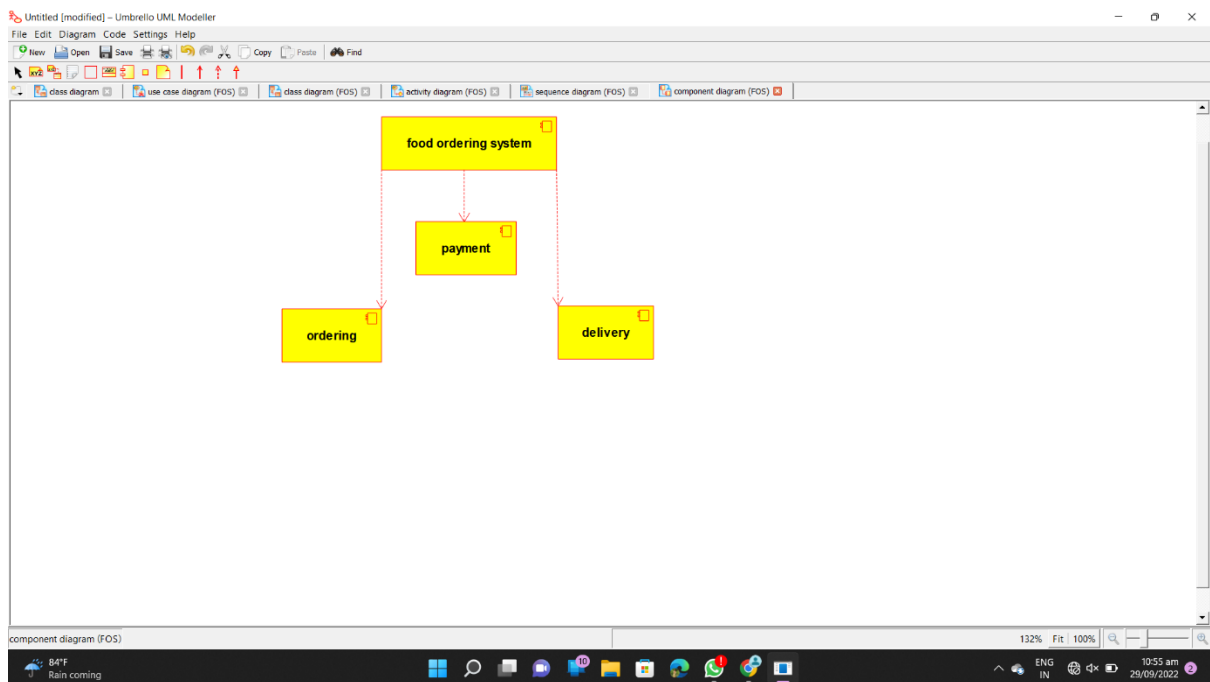# ACTIVITY DIAGRAM :-



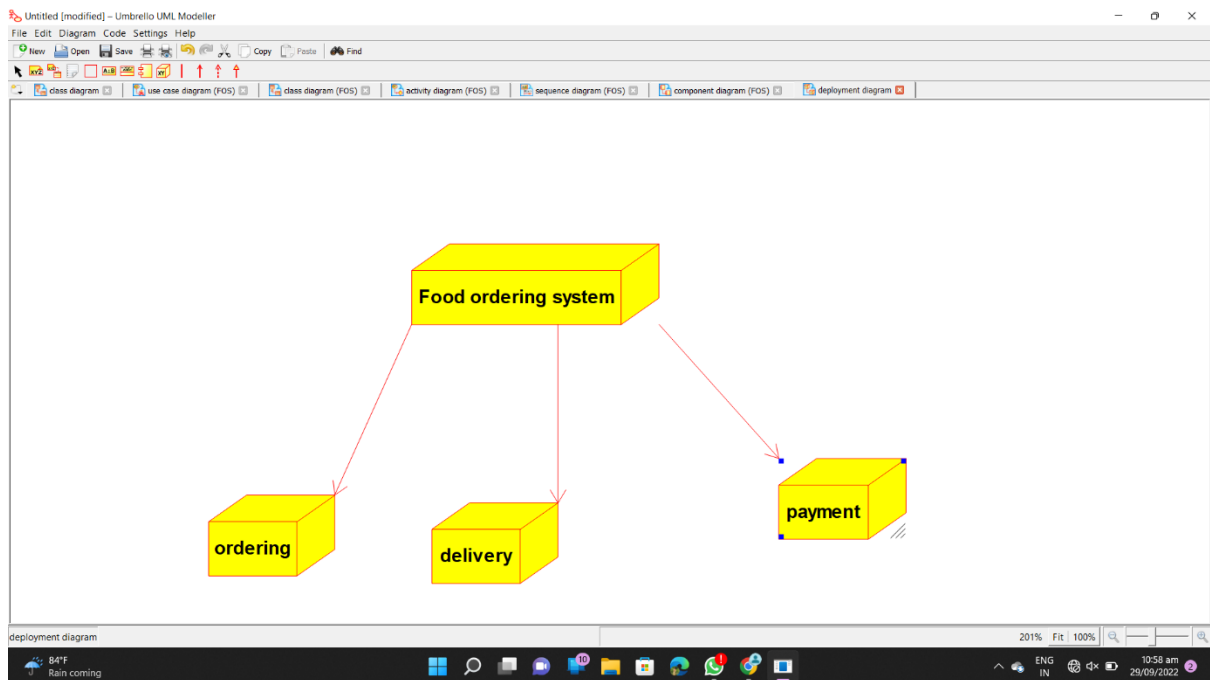# SEQUENCE DIAGRAM :-

# COLLABORATION DIAGRAM :-



# COMPONENT DIAGRAM :-

# DEPLOYMENT DIAGRAM :-



# PROGRAM CODE :-

```
/**
 * Class Admin
 */
public class Admin {
 //
 // Fields
 //
 public int id;
 public String name;
 public String age;
 public String username;
 public String password;
 //
 // Constructors
 //
 public Admin () { };
  //
 // Methods
 //
 //
```

```java
// Accessor methods
//
 /**
  * Set the value of id
  * @param newVar the new value of id
  */
 public void setId (int newVar) {
  id = newVar;
 }
 /**
  * Get the value of id
  * @return the value of id
  */
 public int getId () {
  return id;
 }
/**
  * Set the value of name
  * @param newVar the new value of name
  */
 public void setName (String newVar) {
  name = newVar;
 }
 /**
  * Get the value of name
  * @return the value of name
  */
 public String getName () {
  return name;
 }
 /**
  * Set the value of age
  * @param newVar the new value of age
  */
 public void setAge (String newVar) {
  age = newVar;
 }
 /**
```

```java
 * Get the value of age

 * @return the value of age

 */

public String getAge () {

  return age;

}

/**

 * Set the value of username

 * @param newVar the new value of username

 */

public void setUsername (String newVar) {

  username = newVar;

}

/**

 * Get the value of username

 * @return the value of username

 */

public String getUsername () {

  return username;

}

/**

 * Set the value of password

 * @param newVar the new value of password

 */

public void setPassword (String newVar) {

  password = newVar;

}

/**

 * Get the value of password

 * @return the value of password

 */

public String getPassword () {

  return password;

}

//

// Other methods

//
```

```java
    /**
     */
    public void create()
    {
    }
    /**
     */
    public void update()
    {
    }
}


import java.util.*;
/**
 * Class Customer
 */
public class Customer extends Admin {
 //
 // Fields
 //
 public String adder;
 public int card_num;
   //
 // Constructors
 //
 public Customer () { };


 //
 // Methods
 //
 //
 // Accessor methods
 //
 /**
  * Set the value of adder
  * @param newVar the new value of adder
  */
 public void setAdder (String newVar) {
```

```java
   adder = newVar;

 }

 /**

  * Get the value of adder

  * @return the value of adder

  */

 public String getAdder () {

  return adder;

 }

 /**

  * Set the value of card_num

  * @param newVar the new value of card_num

  */

 public void setCard_num (int newVar) {

  card_num = newVar;

 }

 /**

  * Get the value of card_num

  * @return the value of card_num

  */

 public int getCard_num () {

  return card_num;

 }

 //

 // Other methods

 //


 /**

  */

 public void creator()

 {

 }

}

/**

 * Class Delivery

 */

public class Delivery extends Order {
```

```java
//
// Fields
//
public int id;
public int details;
public String ordertype;
//
// Constructors
//
public Delivery () { };
//
// Methods
//
//
// Accessor methods
//
/**
 * Set the value of id
 * @param newVar the new value of id
 */
public void setId (int newVar) {
 id = newVar;
}

/**
 * Get the value of id
 * @return the value of id
 */
public int getId () {
 return id;
}

/**
 * Set the value of details
 * @param newVar the new value of details
 */
public void setDetails (int newVar) {
 details = newVar;
```

```java
    }
    /**
     * Get the value of details
     * @return the value of details
     */
    public int getDetails () {
        return details;
    }
    /**
     * Set the value of ordertype
     * @param newVar the new value of ordertype
     */
    public void setOrdertype (String newVar) {
        ordertype = newVar;
    }
    /**
     * Get the value of ordertype
     * @return the value of ordertype
     */
    public String getOrdertype () {
        return ordertype;
    }
    //
    // Other methods
    //
    /**
     */
    public void update()
    {
    }
}
/**
 * Class Dish
 */
public class Dish extends Order, Menu {
    //
    // Fields
    //
```

```java
public int id;

public String names;

public String price;

 //
// Constructors
//
public Dish () { };

 //
// Methods
//
//
// Accessor methods
//
/**
 * Set the value of id
 * @param newVar the new value of id
 */
public void setId (int newVar) {
 id = newVar;
}
/**
 * Get the value of id
 * @return the value of id
 */
public int getId () {
 return id;
}
/**
 * Set the value of names
 * @param newVar the new value of names
 */
public void setNames (String newVar) {
 names = newVar;
}
/**
 * Get the value of names
 * @return the value of names
 */
```

```java
  public String getNames () {

    return names;

  }

  /**

   * Set the value of price

   * @param newVar the new value of price

   */

  public void setPrice (String newVar) {

    price = newVar;

  }

  /**

   * Get the value of price

   * @return the value of price

   */

  public String getPrice () {

    return price;

  }

  //

  // Other methods

  //

  /**

   */

  public void add()

  {

  }

  /**

   */

  public void update()

  {

  }

}

import java.util.*;

/**

 * Class Menu

 */

public class Menu {

  //

  // Fields
```

```java
    //
public int id;
    public String details;
    public String list_of_dish;
    //
    // Constructors
    //
    public Menu () { };
      //
    // Methods
    //
    //
    // Accessor methods
    //
    /**
     * Set the value of id
     * @param newVar the new value of id
     */
    public void setId (int newVar) {
     id = newVar;
    }
    /**
     * Get the value of id
     * @return the value of id
     */
    public int getId () {
     return id;
    }


    /**
     * Set the value of details
     * @param newVar the new value of details
     */
    public void setDetails (String newVar) {
     details = newVar;
    }
    /**
     * Get the value of details
```

```java
 * @return the value of details
 */
public String getDetails () {
  return details;
}
/**
 * Set the value of list_of_dish
 * @param newVar the new value of list_of_dish
 */
public void setList_of_dish (String newVar) {
  list_of_dish = newVar;
}
/**
 * Get the value of list_of_dish
 * @return the value of list_of_dish
 */
public String getList_of_dish () {
  return list_of_dish;
}
//
// Other methods
//
}
/**
 * Class Order
 */
public class Order {
 //
 // Fields
 //
public int id;
 public int details;
 public String order_type;
 //
 // Constructors
 //
 public Order () { };
  //
```

```java
// Methods
//
//
// Accessor methods
//
/**
 * Set the value of id
 * @param newVar the new value of id
 */
public void setId (int newVar) {
  id = newVar;
}
/**
 * Get the value of id
 * @return the value of id
 */
public int getId () {
  return id;
}
/**
 * Set the value of details
 * @param newVar the new value of details
 */
public void setDetails (int newVar) {
  details = newVar;
}
/**
 * Get the value of details
 * @return the value of details
 */
public int getDetails () {
  return details;
}
/**
 * Set the value of order_type
 * @param newVar the new value of order_type
 */
public void setOrder_type (String newVar) {
```

```java
    order_type = newVar;
  }
  /**
   * Get the value of order_type
   * @return the value of order_type
   */
  public String getOrder_type () {
   return order_type;
  }
  //
  // Other methods
  //
  /**
   */
  public void process_debits()
  {
  }
}
import java.util.*;
/**
 * Class Payment
 */
public class Payment extends Delivery {
 //
 // Fields
 //
public int id;
 public String card_number;
 public String amount;
  //
 // Constructors
 //
 public Payment () { };


 //
 // Methods
 //
 //
```

```java
// Accessor methods
//
/**
 * Set the value of id
 * @param newVar the new value of id
 */
public void setId (int newVar) {
  id = newVar;
}
/**
 * Get the value of id
 * @return the value of id
 */
public int getId () {
  return id;
}
/**
 * Set the value of card_number
 * @param newVar the new value of card_number
 */
public void setCard_number (String newVar) {
  card_number = newVar;
}
/**
 * Get the value of card_number
 * @return the value of card_number
 */
public String getCard_number () {
  return card_number;
}
/**
 * Set the value of amount
 * @param newVar the new value of amount
 */
public void setAmount (String newVar) {
  amount = newVar;
}
/**
```

```java
 * Get the value of amount

 * @return the value of amount

 */

public String getAmount () {

  return amount;

}

//

// Other methods

//

/**

 */

public void add()

{

}

/**

 */

public void update()

{

  }

}
```