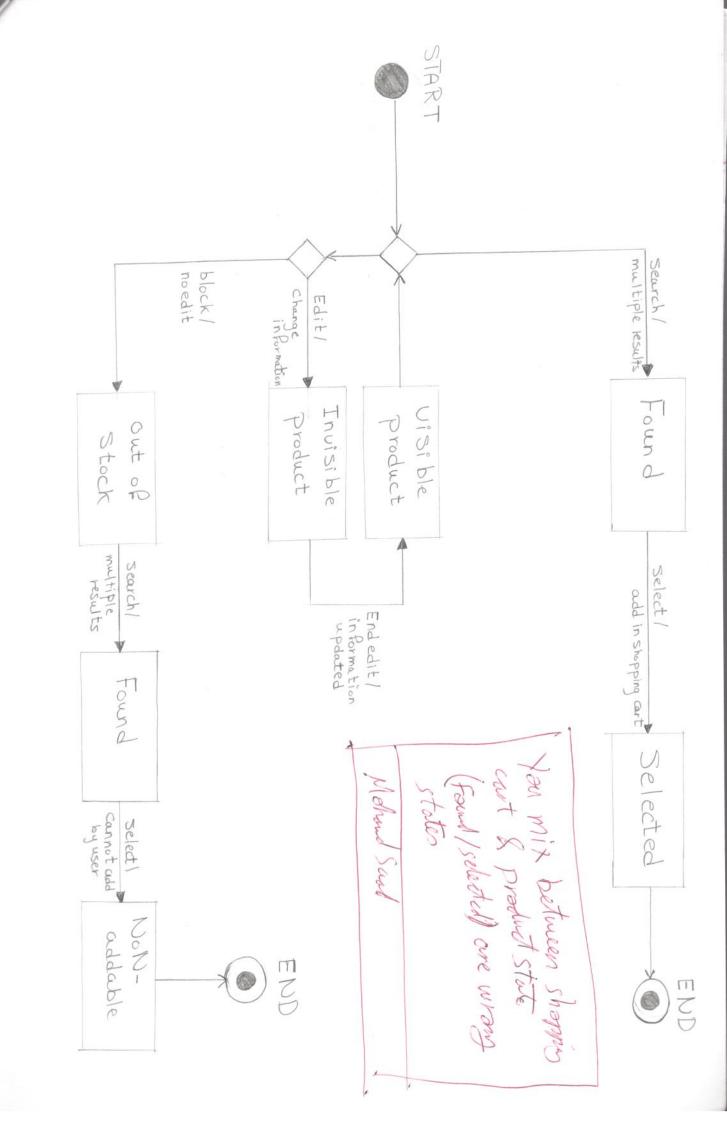
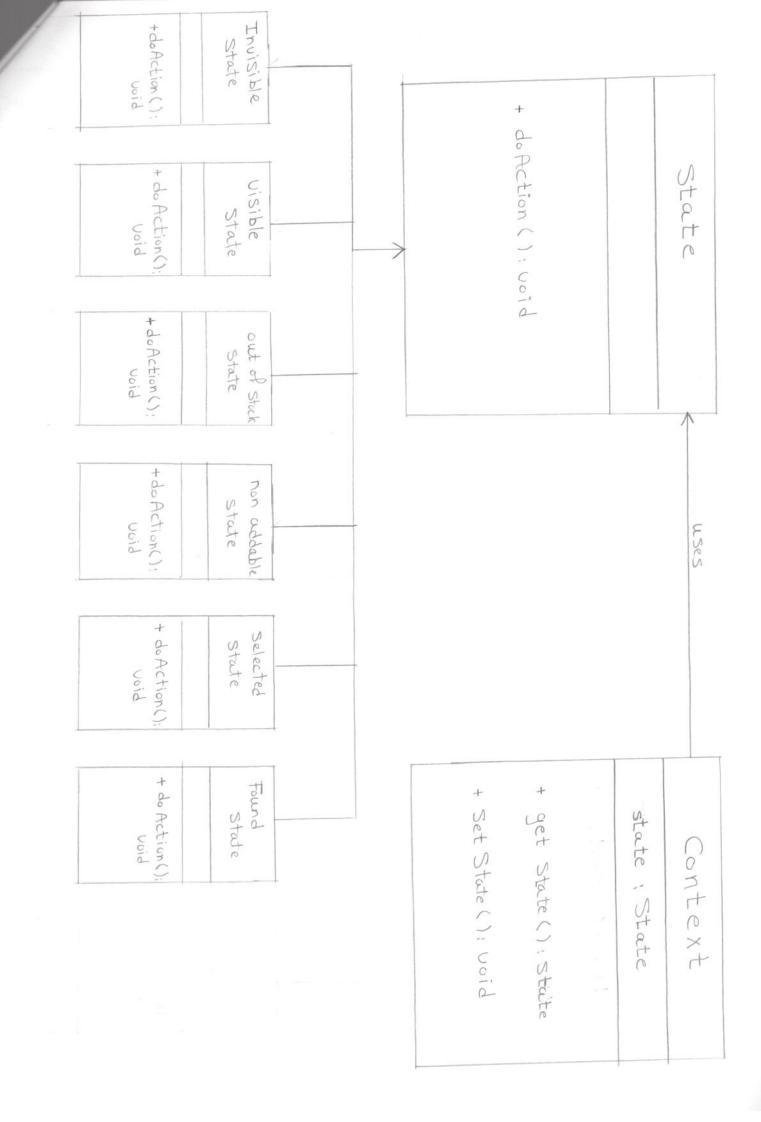
19-Gehad Fathy Mohamed 25-Jalma Abol et Aziz Abol et Hamid. 26-Jalma Mohamed Mohamed 28-Jhadwa Abol et Moboly Aby

2008





```
Context class
```

Public class Context {

State state;

Public Void Set State (State state) {

This. state = state;

}

Public State get state() {

return state;

}

## 2 State Class (Abstract class)

Public class State i

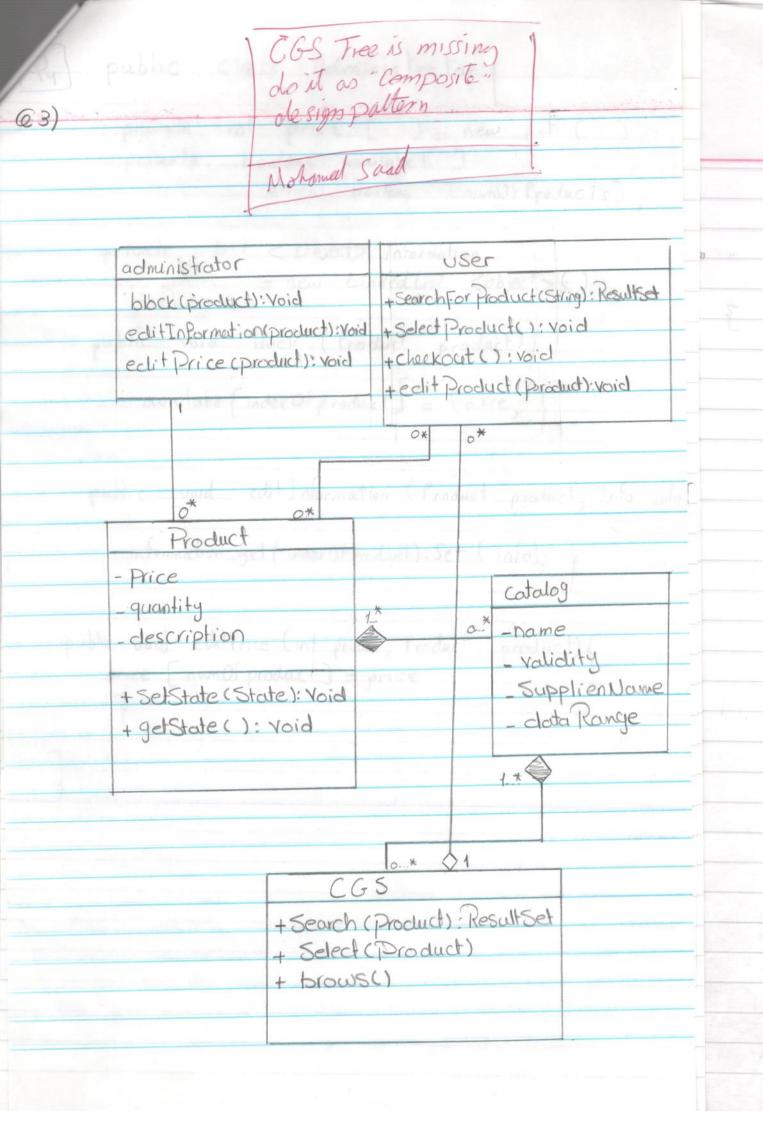
public void do Action (Context c) { }

## 3 visible State Class

Public class Visible State extends State?

Public void do Action (context c);

C. Set State (this);



public class Administrator { private int price [ ] = new int [ ]; private boolean availabe [ ] = new boolean [numOfProducts]. private list < Object> information = new Linkedlist <object > (); public void bock (Product product) available [index Of product] = False; } public void edit Information (Product product, Info infolf information .get (index Of product). Set (info); } public void edit Price (int price, Product product) { price [numOf product] = price

```
Public Class User &
    Private int [] quantity Array = new int [];
    Private CGS c = new CGS&);
    public Result Set search For Product (String S) {
        Resultset result = c. search(s);
         return result
    public void select Product (Product product) {
        c. select (product);
    public void checkout () f
   public void edit Product (Product product, int quantity)
      quantity Array (index Of Product) = quantity
```

```
Public Class Product &
     Private int price = 0
     Private int quantity=0
     Private String description = " "
     public void set Price (int price)
        this price = price ;
      public void set Quantity (int quantity) {
          This, quantity = quantity;
       public void set Description (String description)
          This description = description
       public int getPrice () { return price;}
      public int get quantity () { return quantity; }
      public String get Description ) { return description; }
public class Catalog () {
  Private List < Product > LProduct = new List < Product >
 Private String name; Supplie Name = " "
 Private boolean valid = false;
  Private int data Range = 0
  public void set Name (String name) {
        This name = name;
    public void set SupplieNane (String supplier Name) {
           This . Supplie Name - Supplier Name;
```

```
public used set Validate (boolean validate) {
        This validate = validate;
   public void setdata Range (int dataRange)
         this. data Range = data Range;
   public List (Product > getlist () { return LProduct; }
   public String get Name () { return name; }
  public String get Supplier Name () freturn supplier Name; }
  public boolean get validate() { return validate }
  public int getData Range () { return data Range; }
public class CGS{
   private list ( Catalog > 1= new list < catalog > ( );
   private Resultset result = new ResultSet ();
  public ResultSet search (Product product) {
         For (int 1=0; i< l. size(); i++) {
          I temp - L. get(i) get(ist();
           For (int j=0; j < [Temp. size(); )++f
        if (product equals (ITemp. get (j))
                result add (product);
        return result;
public void select Product (product product)
public void browse () {
```

This is wrong consumers

Pool is not for that Mohamd Said Was Ison 3 live Question 5. Object poal + Singleton WML class diagrams resultSet: ResultSet at I make ResultSet -products: ArrayList + next Page () : void resultset : Result Set. + PrevPage (): Void + acquire Product(): Product relase Product (product) : void + Set HaxPool Size (int) & void Product 0 .. \* + get Instance() + destroy Instanceu ResultSet () \* Class User & private ResultSet resultSet; public void nextPage (); public void prevlage (); class Result Set } Private Product [] products; private static ResultSet resultSet; Drivate Result Set (); Public Product acquire Product (); public void relaseProduct (Product product);

This is with the thing and Dublic void set Max Pool Size (int max Size); public static ResultSet getInstance (); public static void destroy Instance (); Without to a de Temperation ) ++1 :0102 head stowing Julia Product Laborationaded We 1