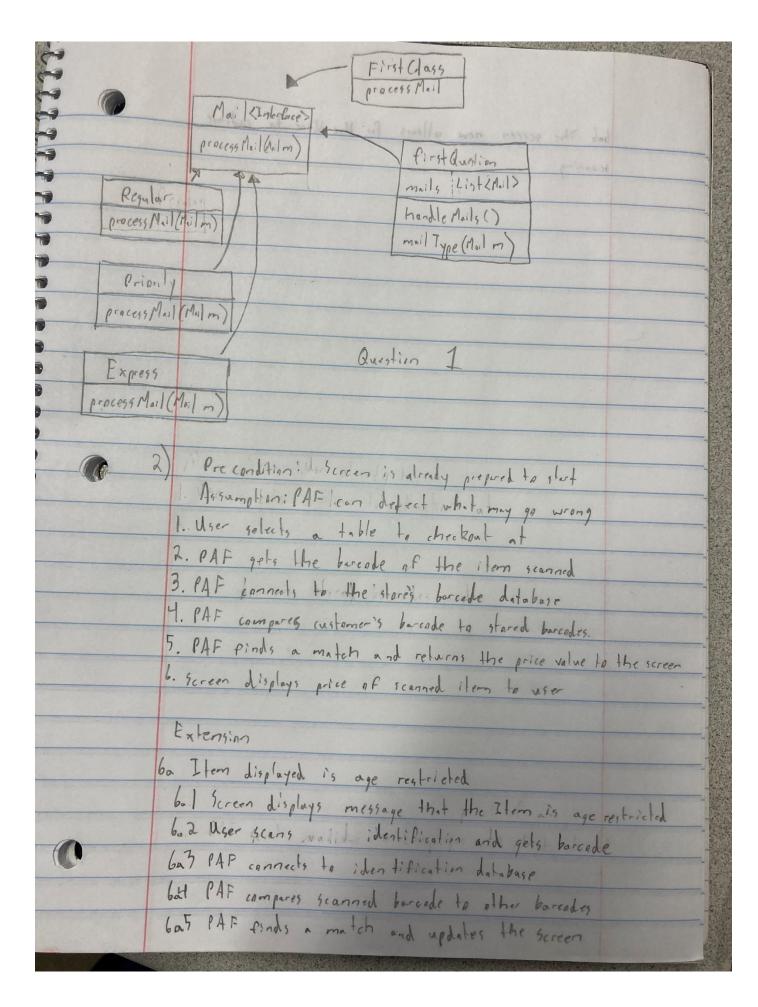
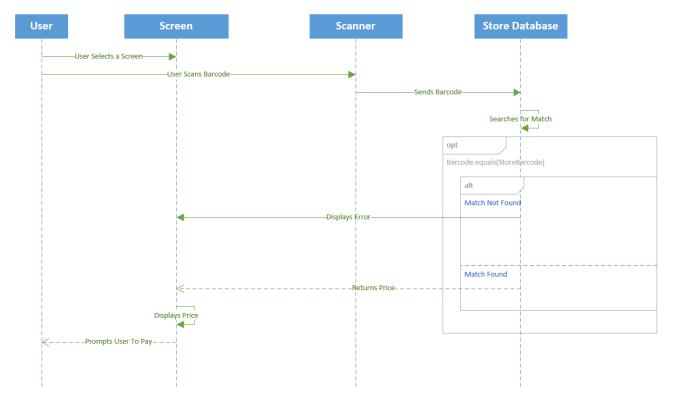
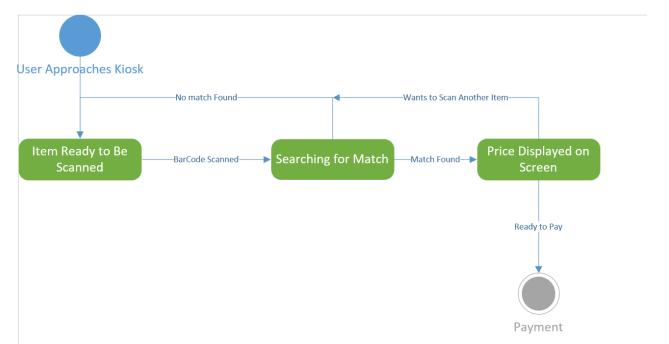
```
import java.util.*;
class firstQuestion{
      private List<Mail> mails;
      // unimportant code omitted
      public void handleMails(){
             for (int i = 0; i < mails.size(); i++){</pre>
                    mailType(mails.get(i));
             }
      }
      public void mailType(Mail m) {
             m.processMail(m);
      }
}
interface Mail{
      void processMail(Mail m);
}
class Regular implements Mail{
      @Override
      public void processMail(Mail m) {
      }
}
class Priority implements Mail{
      @Override
      public void processMail(Mail m) {
      }
}
class Express implements Mail{
      @Override
      public void processMail(Mail m) {
      }
}
class firstClass implements Mail{
      @Override
      public void processMail(Mail m) {
```

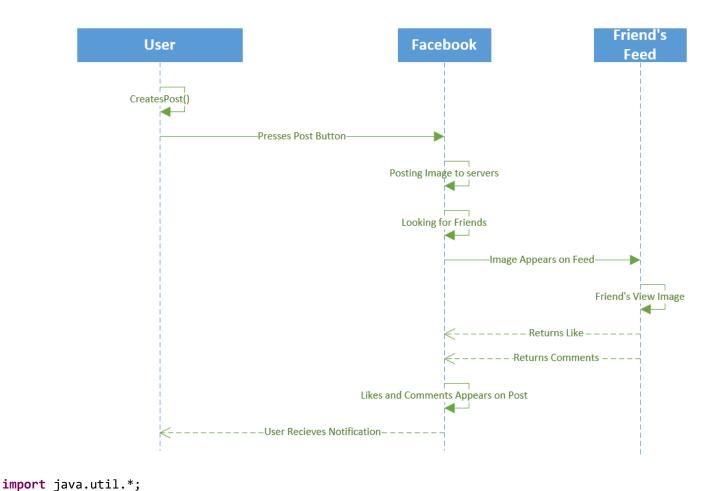
}



new allows for the User to centime scanning







```
interface TeamMember {
      void perform();
}
class Leader implements TeamMember{
      private String name;
      Leader(String name){
             this.name = name;
      }
      @Override
      public void perform() {
             //perform an action
}
class Member implements TeamMember{
      private String name;
      Member(String name){
             this.name = name;
      }
      @Override
      public void perform() {
             //perform an action
```

```
}
}
class Group implements TeamMember{
      List<TeamMember> team;
      @Override
      public void perform() {
             //perform an action
      }
      public void addMember(TeamMember member) {
             team.add(member);
      public void removeMember(TeamMember member) {
             team.remove(member);
      }
}
interface IFunction {
      double function(int n);
}
class main{
      public double sum(IFunction fun, int x) {
             double answer = 0;
             while(x > 0) {
                    x += fun.function(x);
             return answer;
      }
}
class Cos implements IFunction{
      @Override
      public double function(int x) {
             double answer = Math.sin(x);
             return answer;
      }
}
class Sin implements IFunction{
      @Override
      public double function(int x) {
```

```
}
public class Light {
      private boolean bulb;
      Light(){
             off();
      public void on(){
             bulb = true;
      public void off(){
             bulb = false;
      }
class Controller{
      protected commandReciever command;
      public void setCommand(commandReciever c) {
             command = c;
      }
      public void controllerExecuter() {
             command.execute();
      }
interface commandReciever{
      void execute();
class turnOn implements commandReciever{
      Light light;
      turnOn(){
             light = new Light();
      }
      @Override
      public void execute() {
```

double answer = Math.cos(x);

return answer;

}

}

}

}

```
light.on();
}

class turnOff implements commandReciever{
    Light light;
    turnOff(){
        light = new Light();
}

@Override
public void execute() {
        light.off();
}
```

```
public interface Lamp{
      public void turnOn();
      public void turnOff();
}
class Switch implements Lamp{
      protected boolean status;
      Switch(){
      }
      @Override
      public void turnOn() {
             status = true;
      }
      @Override
      public void turnOff() {
             status = false;
      }
      public String toString() {
             String str = "The status of the light bulb is ";
             if(status) {
                    str += "on";
             else {
```

```
str += "off";
}

return str;

}

class tester{
    public static void main(String[]args) {
        Lamp flicker = new Switch();
    }
}
```