

UNIVERSIDAD DE LAS FUERZAS ARMADAS - ESPE

DEPARTAMENTO DE CIENCIAS DE LA COMPUTACIÓN OBJECT ORIENTED PROGRAMMING NRC: 9652

WORKSHOP #14 Coding Review

DATE: /06/2023

DUE:

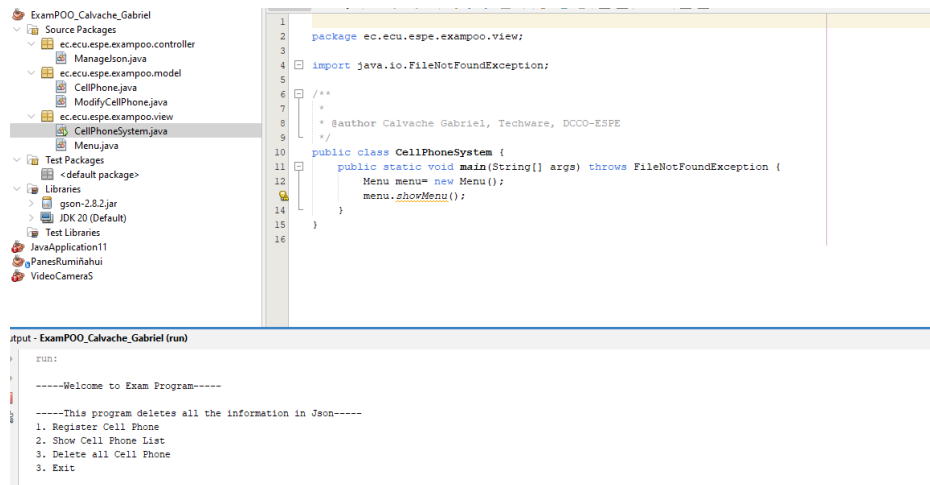
3. CALVACHE BONIFAZ GABRIEL ALEXANDER

Inspector: Calderon Jilmar 40/50

Delete all objects: Cellphone.

Rubric:

- 1) class modeling 0/10
- 2) Running program 10/10.



The screenshot displays an IDE with a project named 'ExamPOO_Calvache_Gabriel'. The left sidebar shows a package structure with 'Source Packages' containing 'ec.ecu.espe.exampoo.controller', 'ec.ecu.espe.exampoo.model', 'ec.ecu.espe.exampoo.view', and 'Test Packages'. The 'ec.ecu.espe.exampoo.view' package is selected, showing 'CellPhoneSystem.java' and 'Menu.java'. The main editor shows the code for 'CellPhoneSystem.java'.

```
1 package ec.ecu.espe.exampoo.view;
2
3
4 import java.io.FileNotFoundException;
5
6 /**
7  * @author Calvache Gabriel, Techware, DCCO-ESPE
8  */
9
10 public class CellPhoneSystem {
11     public static void main(String[] args) throws FileNotFoundException {
12         Menu menu = new Menu();
13         menu.showMenu();
14     }
15 }
16
```

The bottom console shows the output of the program:

```
Input - ExamPOO_Calvache_Gabriel (run)
run:
-----Welcome to Exam Program-----
-----This program deletes all the information in Json-----
1. Register Cell Phone
2. Show Cell Phone List
3. Delete all Cell Phone
3. Exit
```

3) Printing/counting/deleting objects from JSON File 10/10

ut - ExamPOO_Calvache_Gabriel (run)

```
Model=papa
Color=blak
Size=10

CellPhone List
Model=white
Color=white
Size=15

CellPhone List
Model=pepa
Color=rosa
Size=12

-----Welcome to Exam Program-----

-----This program deletes all the information in Json-----
1. Register Cell Phone
2. Show Cell Phone List
3. Delete all Cell Phone
3. Exit

    Selected option: 3
All cell phone list delete

-----Welcome to Exam Program-----

-----This program deletes all the information in Json-----
1. Register Cell Phone
2. Show Cell Phone List
3. Delete all Cell Phone
3. Exit

    Selected option: 2

Cell Phone List
```

4) Saving JSON data 10/10.

```
1  [{
2      "model": "papa",
3      "color": "blak",
4      "size": "10"
5  },
6  {
7      "model": "white",
8      "color": "white",
9      "size": "15"
10 },
11 {
12     "model": "pepa",
13     "color": "rosa",
14     "size": "12"
15 }
16 ]
```

Validate JSON

Clear

Results

valid JSON

5) Code Quality 10/10.

```

11  * @author Calvache Gabriel, Techware, DCCO-ESPE
12  */
13  public class ModifyCellPhone {
14
15      public void readCellPhone() throws FileNotFoundException {
16          ManageJson manageJson = new ManageJson();
17          File archivo = new File(pathname: "data\\cellphone.json");
18          ArrayList<CellPhone> listCellPhone = new ArrayList<>();
19          System.out.println(x: "\t\t\t\tCell Phone List");
20
21          if (archivo.exists() && archivo.length() == 0) {
22              System.out.println(x: "There are no cell phones\n\n");
23          } else {
24              listCellPhone = manageJson.readJson();
25              for (CellPhone cellPhone : listCellPhone) {
26                  System.out.println(x: cellPhone.toString());
27              }
28          }
29      }
30
31      public void deleteCellPhone() throws FileNotFoundException {
32          ManageJson manageJson = new ManageJson();
33          File archivo = new File(pathname: "data\\cellphone.json");
34          ArrayList<CellPhone> listCellPhone = new ArrayList<>();
35
36          if (archivo.exists() && archivo.length() == 0) {
37              System.out.println(x: "There are no cell phones \n\n");
38          } else {
39              listCellPhone = manageJson.readJson();
40              Scanner readData = new Scanner(source: System.in);
41
42              listCellPhone.removeAll(c: listCellPhone);
43              ManageJson.writteJson(cellPhone: listCellPhone);
44              System.out.println("All cell phone list delete");

```

TOTAL: 40/50.