

TEAM 02 DAMAGE

Leader: Mateo Condor

Project: POINT OF SALE SYSTEM

URL: <https://github.com/MateoCondor/PointOfSaleSystem>

Inspector: T3 (Carlos Granda)

1. Chavez Escudero Genaro David

2. Chicaiza Ortiz Frank Sebastian (RETIRED)

3. Chiriboga Zurita Daniel Isai

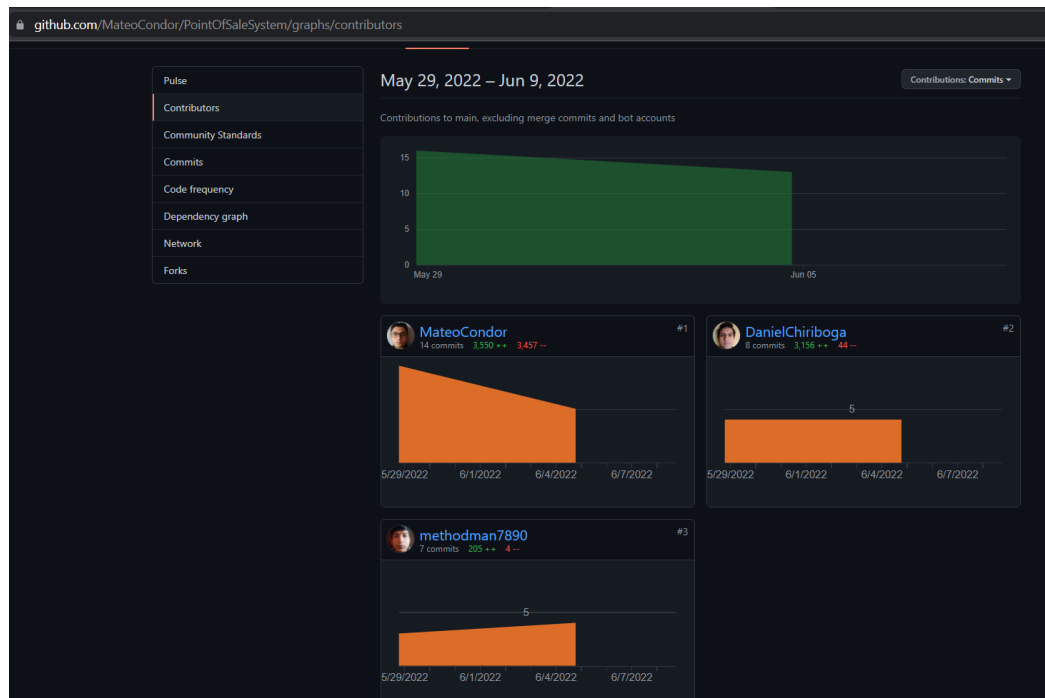
4. Condor Sosa Mateo Javier

RUBRIC

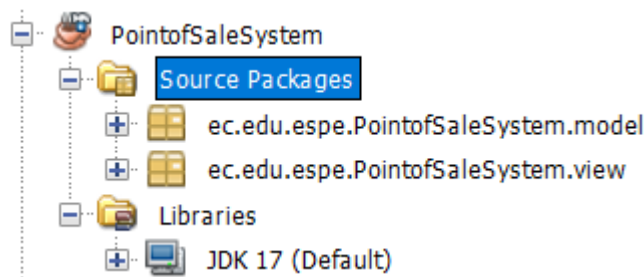
1. Presentation /20
2. GitHub /20 -> commits/code
3. Code (Quality) 17/20 -> Clean Code , CamelCase, English, indentation, br, { }
4. UML, Doc 16/20 -> Use Case Diagram, Class Diagram, Overview, SR, Interview, features, requirements, users, etc.
 - overview 4
 - interview 4
 - list of features/requirements 4
 - use case 0/4 (use case : verb + complement, actor user (wrong)+ system)
 - class Diagrams 4 (classes = noun, attributes (nouns) singular, methods verbs, relations associations/aggregations/compositions (multiplicity))
5. Execution 10/20 -> Consistency versus SRS/Use Case/Class Diagram + files
 - a. Validation → 0/10 requirements list/Use Cases/Class D -> one method in the system
 - b. Verification → 10 /10 run the system, enter data and verify that the files are updated, reports read from files, csv (Excel)

EVIDENCE

1. Presentation
2. GitHub



3. Code (Quality)



controller package does not exist

```
package ec.edu.espe.PointofSaleSystem.model;
```

```
/**
 *
 * @author Genaro Chavez, DCCO-ESPE, DAMAGE SE
 */
public class Invoice {

    public void generateInvoice() {

    }

}
```

```
/**
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package ec.edu.espe.PointofSaleSystem.model;
```

4. UML, Doc

a. overview (4 pts)

OVERVIEW

ISSUE:

The problem that this bakery presents is that all the accounting is still kept in the Books and by hand, the business lacks an automated information system that generates the calculations of the income and outputs of the business, for which it is not clear how much is producing and exactly how much is being spent, so that a billing and inventory system is needed to have greater control over business finances.

OVERVIEW:

In the field of SMEs (Small and Medium Enterprises) in Ecuador, they are not required to keep accounts up to a minimum of produced capital, for which they only work with the RUC (Unique Taxpayer Registry), then the owner of the business You are free to control or not your finances with a billing and inventory system for your commercial products, however, people forced to keep accounts, prefer to hire a person to help them control their finances or hire an accounting system with prior knowledge on the subject.

In both cases, it is preferable to operate with a system that records the daily commercial activities of the business so as not to lose information of any kind, especially monetary transactions that are taxable, since the SRI will ask to fill out a form each month.

b. interview (4 pts)

INTERVIEW

1. What is the main reason you require a system?

The main reason why you want to implement a system to the business is that all the data is recorded on paper, which is why it is difficult to keep a good accounting with the little time that is counted, in addition, some records of small transactions are overlooked.

2. What information do you need to store in the system?

It is necessary to register the products that are produced in the Bakery such as breads, cookies and some pastry products, in addition it is necessary to register the products of the different Suppliers that come to leave their products for sale.

Customer information is needed for different promotions that are planned

It is necessary to store the information of the daily Purchases and Sales, the Purchases with their invoice or sales note. In addition, to be able to cancel if there is any inconvenience.

It is necessary to record the inputs and outputs of the Cash, such as Payments to the Supplier and miscellaneous expenses of the business.

3. How do you want to classify the products?

Products need to be classified by Supplier Brand and easy to find.

4. How many people will use the system?

The people who are going to use the system are 3, the Administrator, the Cashier and the Baker. Each of them with their own functionalities.

5. What do you want to see at the end of the day in the system?

It is necessary to see the detail of the daily sales and purchases and the value of each one to verify the registered data.

c. requeriments (4 pts)

REQUIREMENTS FOR POMPEI BAKERY POINT OF SALE SYSTEM

POMPEI Bakery has recorded all its movements in the Accounting Books of its business, but it has not been to carry out sufficient quality control regarding finances and its products.

In this way, it is necessary to create a suitable point of sale system for the bakery to optimize time with the following requirements:

The Administrator needs the Employees of your business to be registered so that they manipulate the system and everything has a record.

The Administrator needs the system to allow the creation of the different products of his business, for which parameters will be established for a better search in the system.

The Administrator needs to create a section to register the Client's information, since with that information he can adapt the service according to the Client's needs.

The Administrator needs a section in the system that allows him to record the sales that are made daily in the business, each with its respective invoice number, products purchased and total value to pay, all this information is important to be saved instantly and if there is any problem with the registration, you can cancel it.

The Administrator needs a section in the system that allows him to record the information of the business Suppliers, since this data is of vital importance for the supply of the business, in addition the user sometimes owes the Supplier for which it is necessary to register the value paid and the value owed to the Supplier.

The Administrator needs a section in the system that allows him to register the Payments and Expenses of the system, such as Payments to the Provider, Expenses such as basic services, etc.

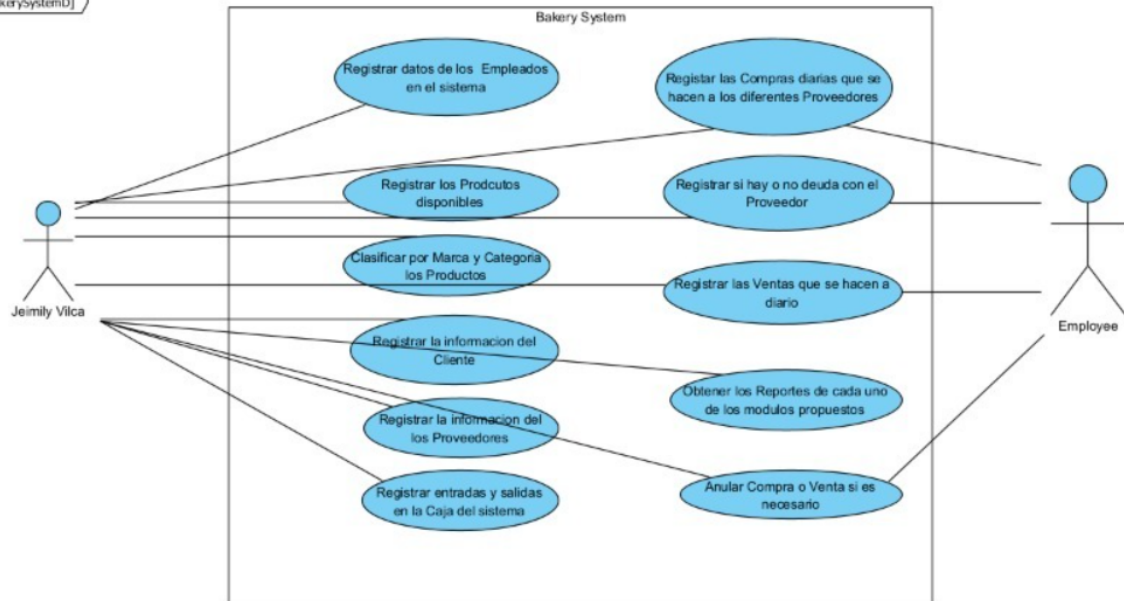
The Administrator needs a section for the System Cash, where the amount of money of the business income, the withdrawals made during the day and the Payments and Expenses of the system will be registered.

The Administrator needs each User to fulfill a function indicated in the system, for which it is necessary to deprive the Employees of certain functions, only the Administrator/s will have access to all sections of the system

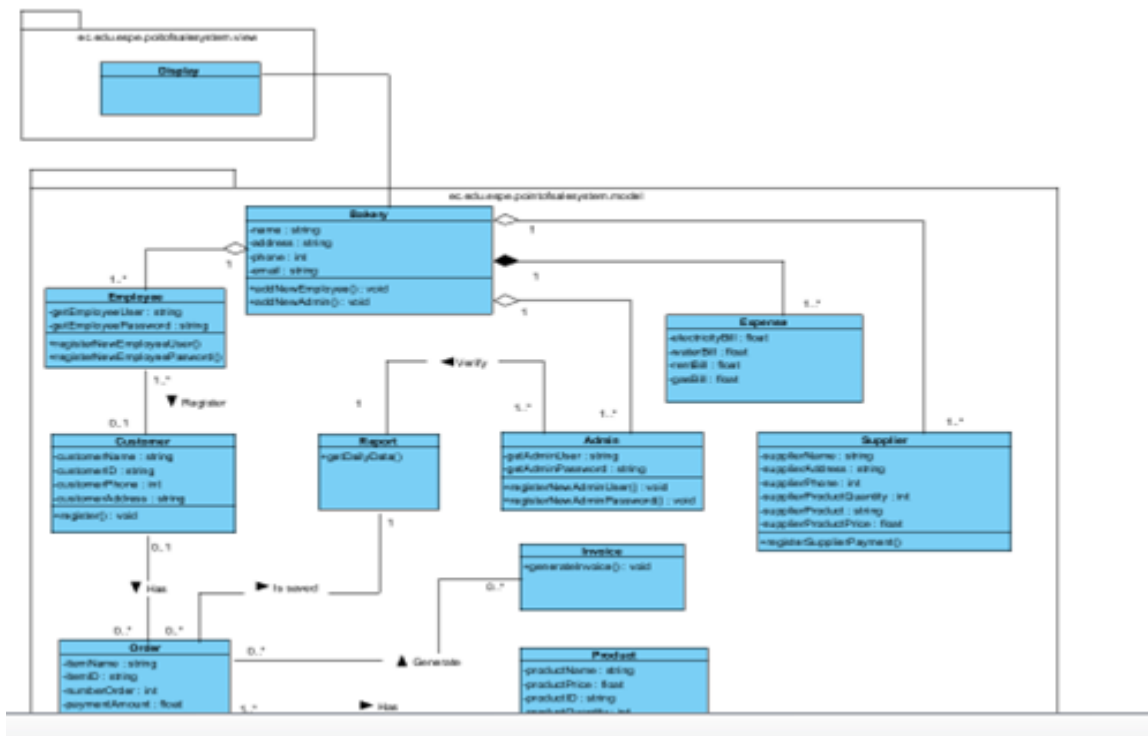
The Administrator needs a Reports section of each of the sections mentioned above since he needs the information at hand of the Users, Suppliers of the daily Purchases and Sales.

d. use case (0 pts)

Fig01: BakerySystemD)



e. Class Diagram (4 pts)



- a. Validation → 5 / 10 requirements list / Use Cases / Class D → one method in the system
- b. Verification → 10 / 10 run the system, enter data and verify that the files are updated, reports read from files, csv (Excel)

| Nombre | Fecha de modificación | Tipo | Tamaño |
|-------------------|-----------------------|-----------------------|--------|
| build | 9/6/2022 9:18 | Carpeta de archivos | |
| nbproject | 9/6/2022 9:17 | Carpeta de archivos | |
| src | 9/6/2022 9:14 | Carpeta de archivos | |
| build.xml | 9/6/2022 9:14 | Documento XML | 4 KB |
| CustomersData.csv | 9/6/2022 9:19 | Archivo de valores... | 1 KB |
| manifest.mf | 9/6/2022 9:14 | Archivo MF | 1 KB |
| OrdersData.csv | 9/6/2022 9:14 | Archivo de valores... | 1 KB |
| ProductsData.csv | 9/6/2022 9:19 | Archivo de valores... | 1 KB |

| | A | B | C | D | E |
|---|-------------|---------|----------|----------|--------------|
| 1 | [name | surname | 10 | 10 | address] |
| 2 | [daniel | chiri | 123456 | 989889 | ecuador] |
| 3 | [m | a | 12 | 12 | qw] |
| 4 | [Camilo | Orrico | 168161 | 99962166 | Av. america] |
| 5 | [Imbaquinga | Jose | 17819167 | 9898887 | Sangolqui] |
| 6 | | | | | |