Object-Oriented Programming
Homework #15
DATE: 11/07/2023
NRC: 9652

1. Báez Gabriel

Nelson:

Nelson, owner of the bakery "Panes de la Rumiñahui", is in charge of preparing the establishment every morning and opens it at 6 am. to start serving customers. At 7 a.m., his employee arrives, who supports him in the sales of the business. Each of them, when making a sale, records the product, the quantity sold and the final price. At the end of the day, Nelson needs to obtain information about the products that he still has in stock and the sales made, in order to make a balance of his capital.

Hernán:

Hernán works as an employee in Nelson's business. At 7 in the morning, he arrives at the establishment and is in charge of serving customers and carrying out sales transactions. Every time he makes a sale, Hernán records the product, the quantity and the final price in detail. In case the customer requests it, he also issues an invoice that includes the customer's name, contact information, and identification number. In addition, Hernán is in charge of keeping a record of the products purchased for the business, either for sale or as raw material. He also writes down the orders placed by customers. As part of his responsibilities, Hernán needs to make sure to check the products available in stock for sale.

2. Calderón Jilmar

-Nelson

Nelson is the owner of a pandemic in the Franco Méndez sector called "Panes de la Rumiñahui", he is 56 years old, he gets up at 5 am to prepare the dough and everything he needs with which he will bake the breads for the sale of the day, He has a baker's assistant who arrives around 7 am who is an assistant who helps him with sales and bread preparation. During the day he registers all the products that can arrive or leave in inventory. At the end of the day he calculates the total that he has sold in the hours that the pandemic has opened and at the end of each day he needs to do an inventory count to find out what products are missing.

-Vanessa

Vanessa is Nelson's assistant who helps him in the bakery. She arrives at the store around 7 am to be on time since most of the customers arrive after 7:30 am because at that time they must already be ready. panels, products, etc., and ready to sell, she makes the sales and registers all the products that have been sold in an invoice or sales note so that at the end of the day Nelson can count everything that was sold on the day and thus be able to know that the products were withdrawn from inventory.

3. Calvache Gabriel

NELSON

Nelson is the owner of the bakery "Panes de la Rumiñahui", he wakes up early to start preparing what is necessary for the bakery which opens at 6 in the morning, from 7 in the morning the rest of the day begins to arrive. staff to help with the business.

Each employee, including the administrator, is responsible for recording the data on the products they have sold. This is where the problem arises, because Nelson needs to keep track of each product sold automatically and not have to count by himself, where an error can even be generated, this in order to make the balance of sales and its capital

MARITZA

Maritza is an employee of the bakery "Panes de la Rumiñahui", since 7 in the morning she is in charge of customer service, product sales and inventory control. She has the obligation to register each vein made and if the client requests it, she must issue an invoice with the client's data. She is in charge of keeping track of the products purchased by the business, including raw materials, and she also needs to keep track of the inventory in order to expedite her work.
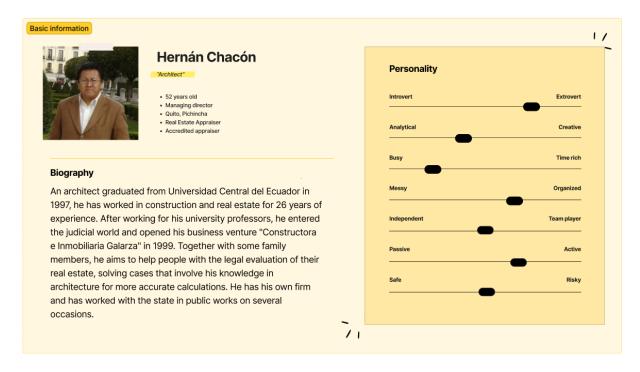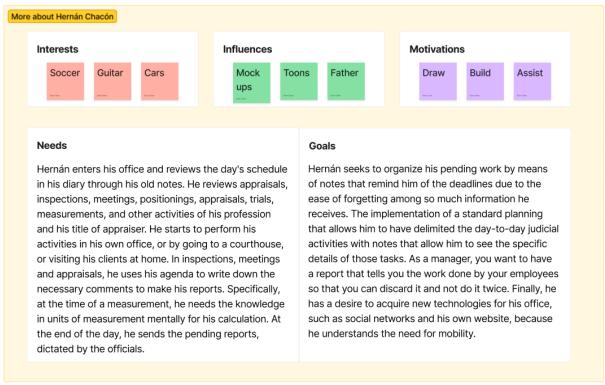
4. Casignia Diego
- Nelson

Nelson is the owner of the bakery "Panes de la Rumiñahui", he prepares the place in the morning and opens it at 6 in the morning to attend to the place, at 7 in the morning the employee arrives who helps him with sales of the business. Each one that makes a sale records the product, the quantity and the final price. At the end of the day, Nelson needs to know the products he has in stock and the sales made to make a balance of his capital.

- Sonia

Sonia is an employee of Nelson's business, at 7 in the morning she arrives at the premises and is in charge of serving the client and making sales. Each one that makes a sale records the product, the quantity and the final price, in case the client requires it, she issues an invoice with the name, contact and ID of the client. Sonia also registers the products that are acquired for the business, either for sale or as raw material. Sonia records orders made by customers. Sonia needs to verify the products that are in stock for sale.

5. Cedeño Rony
6. Galarza César

Hernán Chacón

"Architect"

- 52 years old
- Managing director
- Quito, Pichincha
- Real Estate Appraiser
- Accredited appraiser

Biography

An architect graduated from Universidad Central del Ecuador in 1997, he has worked in construction and real estate for 26 years of experience. After working for his university professors, he entered the judicial world and opened his business venture "Constructora e Inmobiliaria Galarza" in 1999. Together with some family members, he aims to help people with the legal evaluation of their real estate, solving cases that involve his knowledge in architecture for more accurate calculations. He has his own firm and has worked with the state in public works on several occasions.

Personality

Introvert	—————————●—	Extrovert
Analytical	———●————	Creative
Busy	—●———————	Time rich
Messy	——————●——	Organized
Independent	————●————	Team player
Passive	—————●———	Active
Safe	————●————	Risky

More about Hernán Chacón

Interests
Soccer | Guitar | Cars

Influences
Mock ups | Toons | Father

Motivations
Draw | Build | Assist

Needs

Hernán enters his office and reviews the day's schedule in his diary through his old notes. He reviews appraisals, inspections, meetings, positionings, appraisals, trials, measurements, and other activities of his profession and his title of appraiser. He starts to perform his activities in his own office, or by going to a courthouse, or visiting his clients at home. In inspections, meetings and appraisals, he uses his agenda to write down the necessary comments to make his reports. Specifically, at the time of a measurement, he needs the knowledge in units of measurement mentally for his calculation. At the end of the day, he sends the pending reports, dictated by the officials.

Goals

Hernán seeks to organize his pending work by means of notes that remind him of the deadlines due to the ease of forgetting among so much information he receives. The implementation of a standard planning that allows him to have delimited the day-to-day judicial activities with notes that allow him to see the specific details of those tasks. As a manager, you want to have a report that tells you the work done by your employees so that you can discard it and not do it twice. Finally, he has a desire to acquire new technologies for his office, such as social networks and his own website, because he understands the need for mobility.

7. Ludeña Edison

- Hernan Chacon

He is an architect who graduated in 1997 with 26 years of experience in architecture and construction activities. He has a real estate and construction company and is currently active in the above mentioned activities.

As a client, he is looking to automate some processes, and to be able to organize himself in a correct way, for which he needs to replace his physical agenda with a virtual one, in order to avoid the loss of information.

Hernan is a novice with technology, so the application should be intuitive and easy to use, looking for the client to understand what the application does.

8. Miranda Alison

-Hernán Chacón

Hernán Chacón, an architect with a small practice, is in need of an organizational software solution rather than an emphasis on accounting. As someone not well-versed in technology, Hernán seeks a user-friendly and straightforward tool that can help him streamline his business operations. His primary goal is to improve organization within his practice, ensuring that tasks, schedules, and client information are efficiently managed. Hernán desires a simple interface that requires minimal technical knowledge to navigate. Additionally, he values a time-efficient solution that can automate repetitive tasks and generate reports quickly. By considering Hernán's organizational needs and his preference for simplicity, the software development team can create a user-friendly tool that caters to his requirements and enhances the efficiency of his architectural practice.

- Eduardo Chiriboga

Eduardo Chiriboga is an accountant working for Hernán Chacón, an architect with a small practice. As the accountant of the firm, Eduardo is responsible for managing financial records and ensuring accurate accounting procedures. He is in need of an accounting software solution that can streamline his tasks and facilitate efficient financial management. Eduardo's goals include simplifying accounting processes, maintaining accurate financial records, integrating the software with existing systems, and simplifying the reporting process. Additionally, he values time management and desires a software solution that automates repetitive tasks and ensures data security and confidentiality. By considering Eduardo's needs and challenges, the development team can create an accounting software that enhances his productivity, accuracy, and overall efficiency in managing the financial aspects of Hernán's architectural practice.

9. Moreno Paul

-Andres Estrada

Andres is a 60-year-old man who studied at La ESPOCH and graduated as a mechanical engineer, Andres is the owner of the ABF INDUSTRIAL Hardware Store located in the triangle sector, Andres drives with his wife from their home to the hardware store, both enter the premises at 8:30 am, andres turns on the computer and checks his mail to look for purchase requests or sales promotions, when a customer arrives. The client asks Bertha Chavez Andres' wife for a product he needs, Bertha asks Andres to check the warehouse if they have the requested product if so Andres dispatches the requested products and sends them to Bertha to proceed with the sale, after making the sale Andres writes down the products sold on a piece of paper to square the warehouse stock, that process continues until 5:30 pm Monday to Friday.

-Bertha Chavez

Bertha is a 63 years old person and is the wife of Andres estrada. Bertha works at ABF INDUSTRIAL in the field of sales. Bertha goes out with her husband to the store at 8:30 and checks that everything is in order, when customers arrive at the store Bertha asks them what product she needs and asks Andres to look in the warehouse if they have the ordered product, if they have it bertha proceeds to deliver it to the customer to confirm the sale, then fills out the invoice and receives the established payment. If they do not have it, Bertha informs the customer that she can get it by the next day, then proceeds to call the distributors to find the best market price. When she is not with clients Bertha checks the account statements and proceeds to call the clients to ask about pending payments, she is also in charge of making the respective payments of the purchases from the distributors. this process takes place until 5:30 from Monday to Friday

10. Paquel Juan

Andres Estrada is the owner of the abf industrial hardware store. At approximately 8 o'clock he opens his store, which is located before arriving at the Kia dealer near the triangle. He begins by turning on his computer and seeing that everything is as he remembers that he left it the day before. , reviews inventory, then when a sale occurs, he or his wife attends it, then they proceed to record the sale on the computer and the inventory on a sheet.

11. Ramos Javier

-Andrés Estrada is the owner of the hardware store ABF Industrial, the owner of the hardware store is a mechanical engineer, he also taught at the university of Espe, the store is located in the sangolqui part just when you get to the triangle, this business is also run by his wife, the time the store opens is 8:30 am, Upon arriving at the store, Andres turns on his computer, opens his gmail, looks at the messages to see if he has any promotion for any product, when a client arrives, Andres looks on the computer to see if it contains that product, and Andres ships the product, he writes it down. that was sold at the end of the day the block the stock of the warehouse.

12. Rueda Juan

Andres Estrada: He is a mechanical engineer graduated from La ESPOCH, who owns the hardware store called ABF INDUSTRIAL, which he attended from Monday to Friday, Andrés arrives at his hardware store early and when he arrives he checks if he has purchase requests, Andrés with his wife attending to when a client arrives, the wife asks him to review and dispatch the products to Andrés that the client requested, once the sale is made, Andrés proceeds to write down on a piece of paper what was dispatched and this is the process they carry out until the hardware store closes

Bertha: She is the wife of Andrés and like her husband at the ABF INDUSTRIAL hardware store, Bertha works in the cashier area, Bertha is also in charge of buying the products that are needed in the warehouse, paying proceeds to pay the pending expenses, when a The client Bertha is only in charge of seeing what the client needs while Andrés dispatches the ordered products, then Bertha proceeds to verify the sale and the valid one once the payment has been made by the client Bertha delivers the corresponding invoice to the client and is also in charge of collecting to customers who have outstanding payments.

13. Sanmartin Jose

Karla Bermudez.- She is a person graduated as a Kindergarten, who has a business in which he provides educational services to infants in the Home-School modality. She first schedules the schedules with her clients, and then schedules activities to do with her students, these can be to promote their motor skills, language skills, motor skills, among others. In case the schedules are busy or crossed, she assigns a student to another teacher. At the end of the month, he usually charges a fee for his services, however, he also gives them a short term for arrears, no more than a week, he keeps a notebook where he usually writes down the important information of the legal guardian and also which professor he assigned a certain student to be able to pay them as well as to evaluate their performance.

Lesly Collaguazo.- She is a teacher who works for Karla, she is very interested in knowing what students are assigned and evaluating their performance in order to know how to improve their knowledge or, if necessary, change their teaching methodology so that knowledge is better. acquired . Also, like Karla, she is interested in having access to the tutor's data since she has to call him in case of an emergency, as well as scheduling activities with her student or students in charge. Also somehow notify what days class is assigned and with whom.

14. Simbaña Michael

Karla Bermúdez is a 24-year-old girl graduated in Pedagogy, who works as a teacher at home for students under 5 years of age (infants), which is managed through a schedule where she is organized with some teachers to expedite class instruction. It also has a record with the data of the students and their legal guardians, in addition to assigning them a teacher depending on the schedule, it manages their income and attendance through a notebook where they record the payments through the data of the student's legal guardian and the attendance of the teachers. on specific dates in which they taught classes to have control of all the activities and accordingly they are paid for their work and remunerate the teachers who help them educate the children.

Leslye Collaguazo is a friend of Karla who needs the information of the student and the legal guardian, since when she has any inconvenience she can communicate with the tutor, in addition to being able to visualize the schedule with which she will be able to know who should teach the classes. She also needs to be able to evaluate students through performance in order to guide herself to what type of teaching would best suit each of her students.

15. Tipan   Oswaldo

Karla Bermudez is the teacher who controls a home school where she teaches children in elementary school and she also teaches holistic education to adults. In the home school she is not alone, she has the help of some other teacher that she manages when her time is not enough for all the students she has. In the process she has to assign a student to a teacher and then the student chooses the day and the hour where he wants to receive the class, after that Karla has to confirm how many classes that teacher has done so she can pay the teacher. In student payments, she use to determine a cost of a class for each student depending on some things but she is able to take all the monthly payment or just a part of this and get the other part later so she has to take a note of all the money students debt to her.

Leslie Collaguazo is a friend of Karla who helps her with her classes so she is a teacher. Sometimes Leslie needs to book the classes that she is going to give, she needs to write the directions, how many classes she is going to do, how much time per class and if the student did not cancel the class to receive the right payment later..

16. Zurita   Pablo

Karla Bermudez is a Kindergarten graduate who operates a business providing educational services to infants through Home-School learning. Her process involves arranging schedules with clients and planning activities for her students. These activities aim to enhance their motor skills, language abilities, and other developmental areas. If schedules become hectic or conflicting, she arranges for another teacher to handle a particular student. By the end of each month, she typically invoices her clients for the services rendered. However, she also allows a short grace period for late payments, usually no longer than a week. Karla maintains a notebook where she records important information about the legal guardians and which teacher is responsible for each student, ensuring proper payment and performance evaluation.

Leslye Collaguazo, a friend of Karla, requires access to student and legal guardian details for communication purposes in case of any issues. Additionally, having access to the schedule helps her identify which classes she should teach. Evaluating student performance is another crucial aspect for Leslye, as it allows her to determine the most suitable teaching approach for each individual student.