ACTIVITY #2

Our team is Team 4 and is called "Tech Solutions" which is a recursive acronym that stands for "Tech Store is Our Team", like YAML or GNU. Our team consists of:
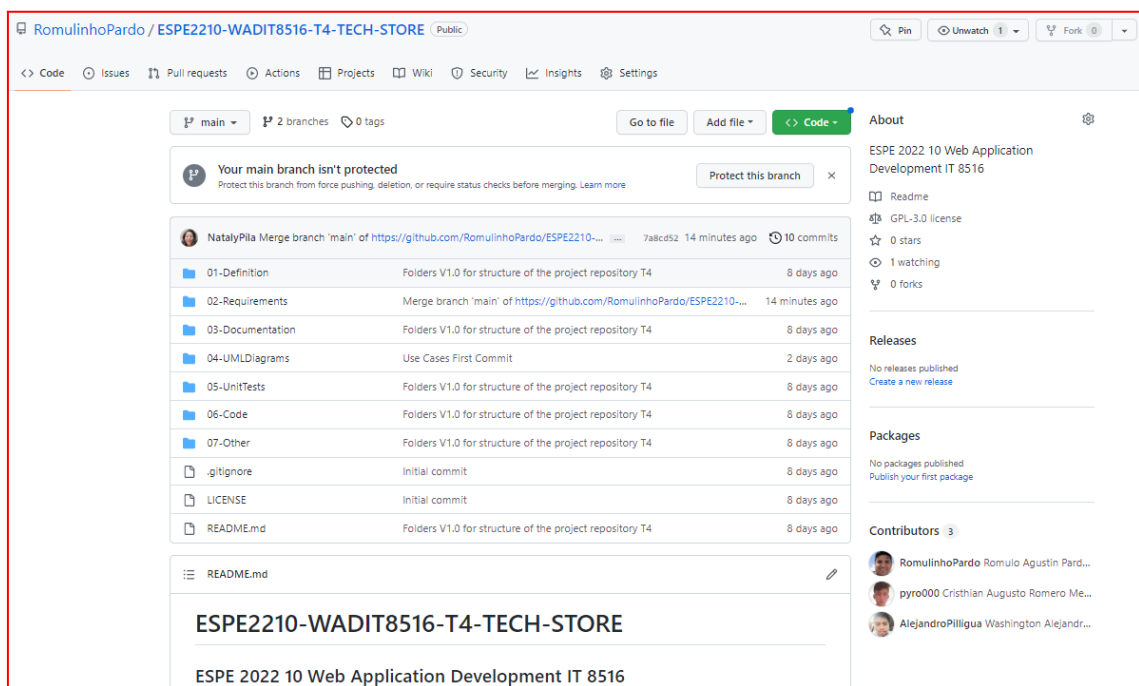
- Pardo Salazar Romulo Agustin
- Pila Iza Narcisa Nataly
- Pilligua Chiliguano Washington Alejandro
- Romero Mesias Cristhian Augusto

We'll explain our work related to each if the items considered in the Rubric

1. **GitHub Repository**

Our Project can be accessed here:

https://github.com/RomulinhoPardo/ESPE2210-WADIT8516-T4-TECH-STORE.git

We followed the structure of files which allowed us to develop the software from Definition until Deployment in the Cloud.

2. **Idea (interview) and list of features (product Backlog)**

The interview is a very useful tool to know the needs of the client.

List of features.

- User authentication.
- Manage users.

- Manage products.

- Customer management

Interview with the owner of the Tech Store business

Online interview with the owner of Tech Store

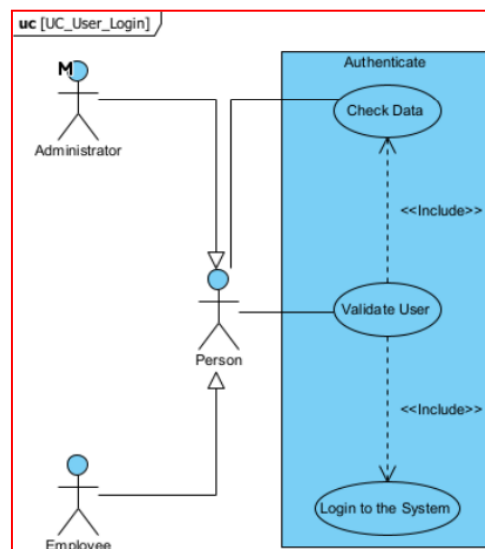Being an online interview, we do not have photos of the business, but we do have your logo.
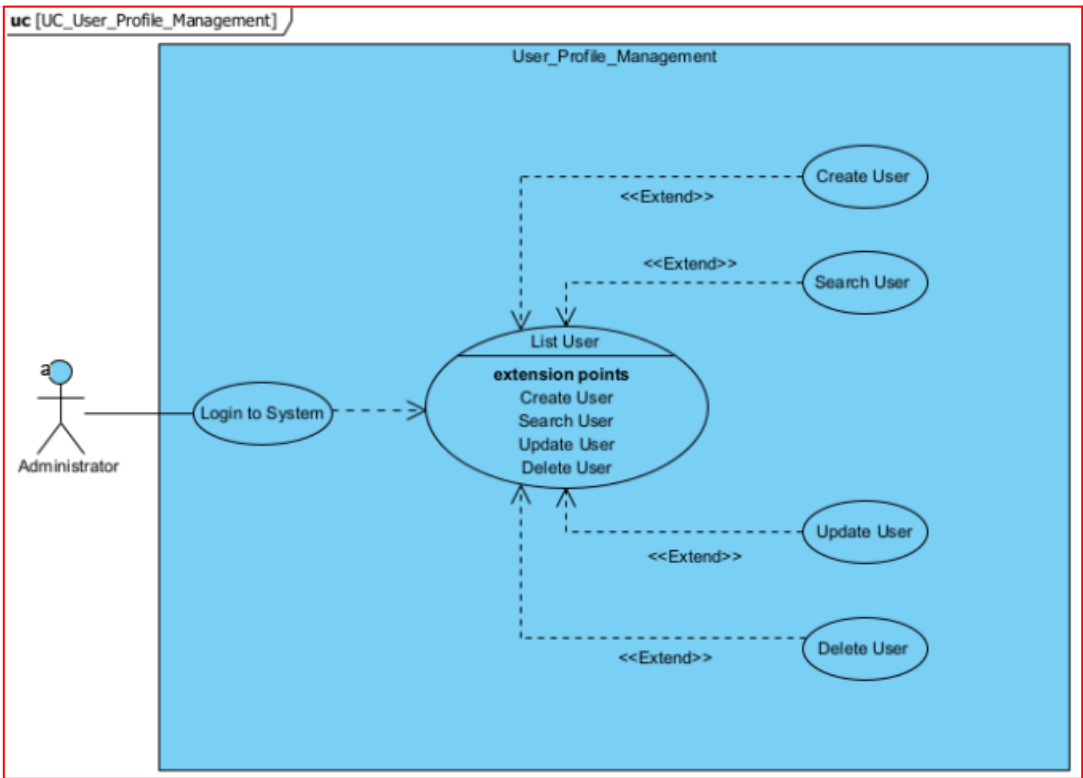

3. **Diagrams (Classes, Use Cases, Architecture)**

Through use cases we can describe the steps or activities to be carried out in each process. Use
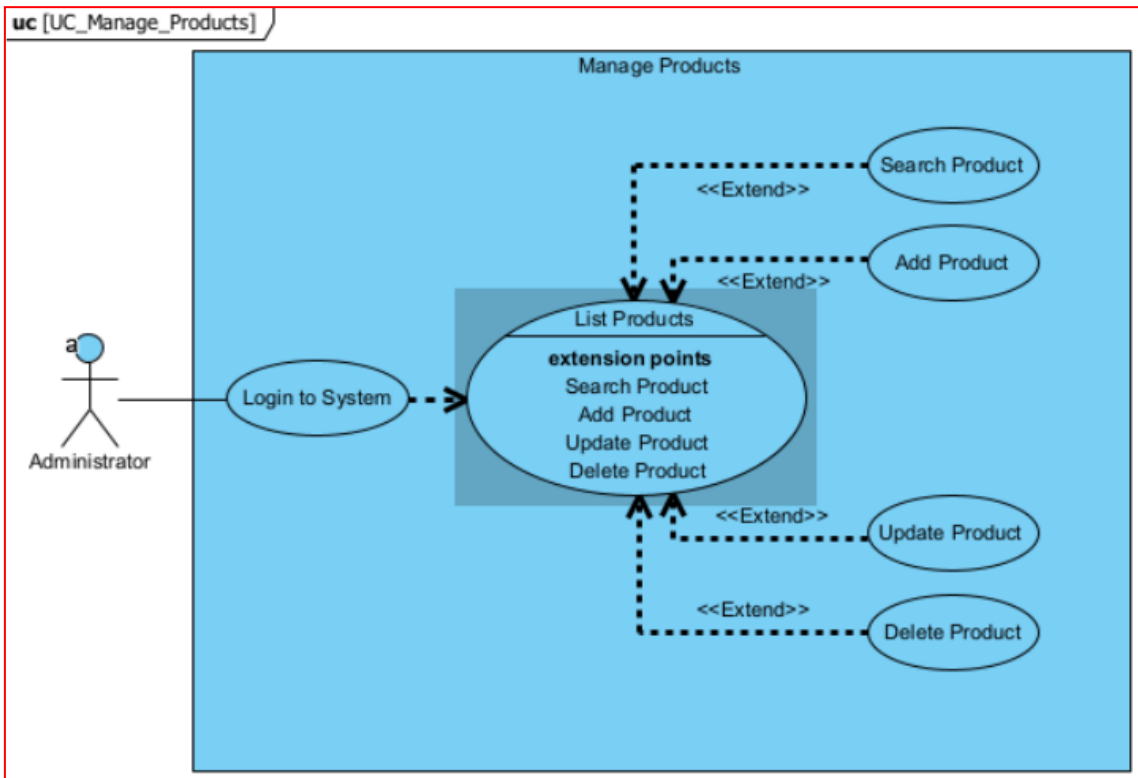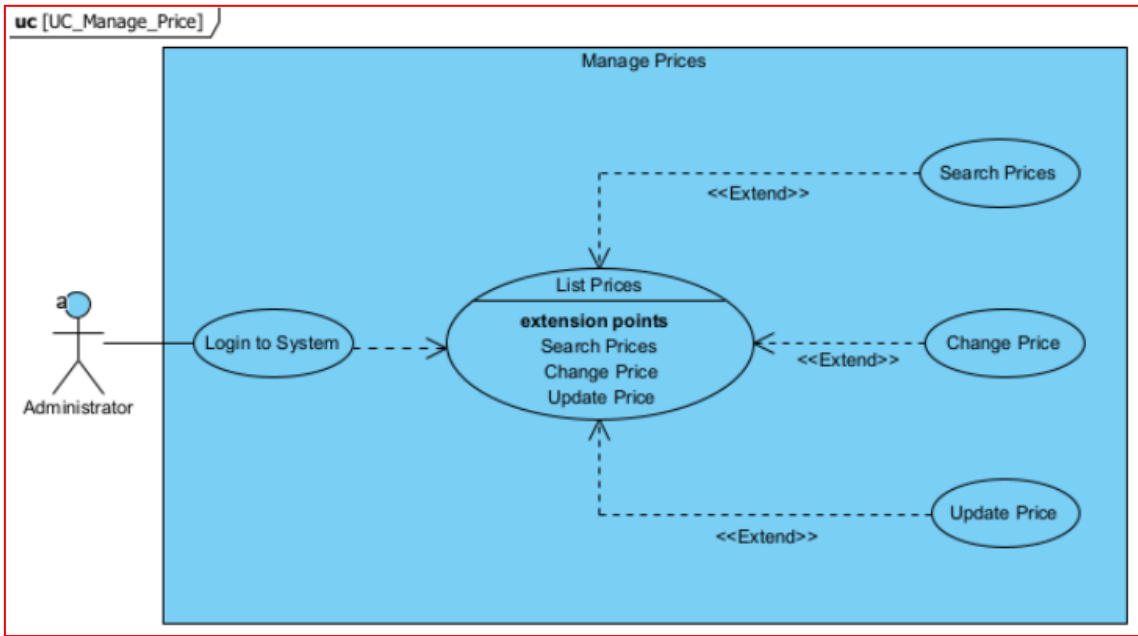
- **Cases Diagram**

User Login

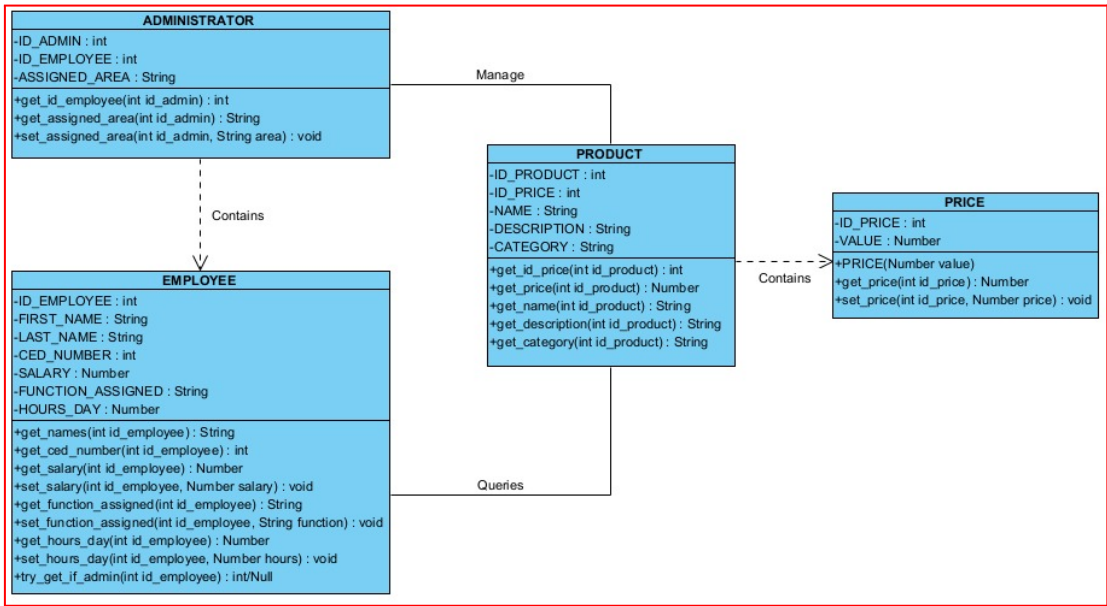## User profile management

Manage products
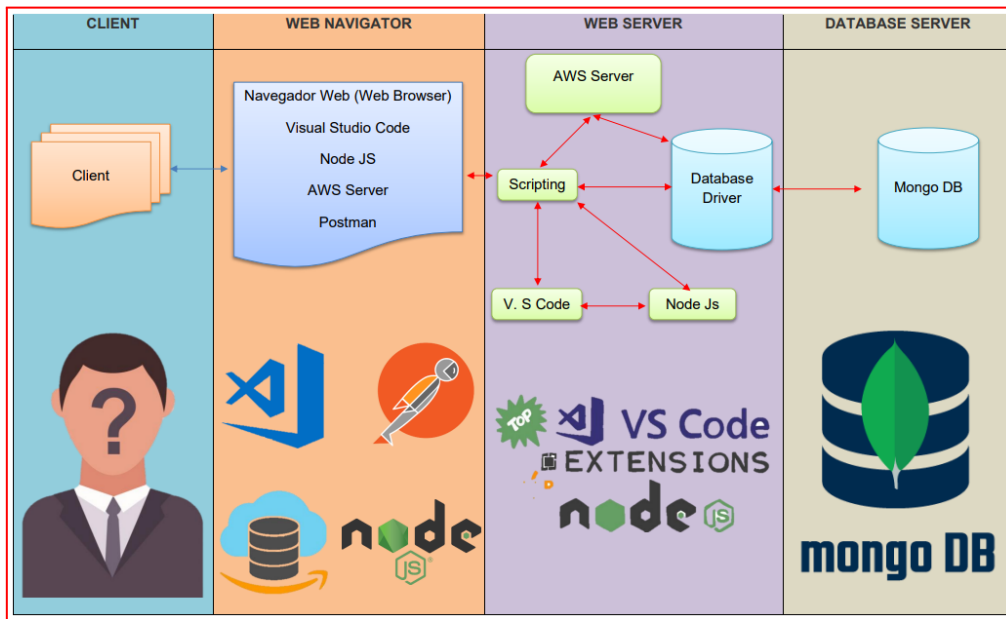
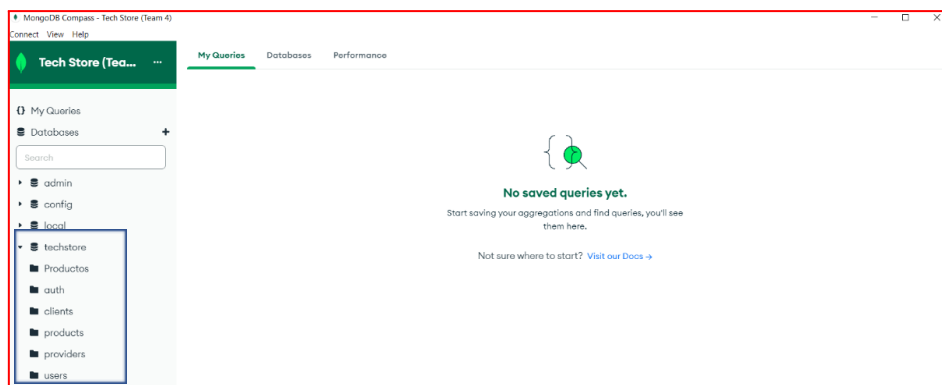**Manage price**

● Class Diagram

The classes that make up the Web Application are described below, as well as its methods and attributes.
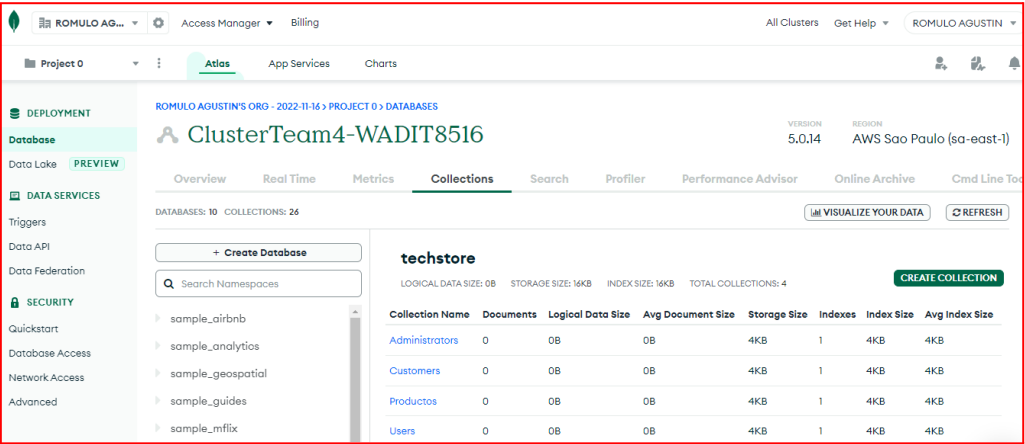
- **And this is the general Architecture we followed:**

4. MongoDB Atlas Database (in the cloud) We created the Mongo Database using Atlas. It has 4 Collections for the 4 Classes or web app uses.

**mongodb+srv://Team4:<Team4>@clusterteam4-wadit8516.o0rg1oy.mongodb.net/
techstore?retryWrites=true&w=majority**

5. Design of the client and at least four business rules

For the structure of the views of the Web Application, a sketch was made of each one on Figma.
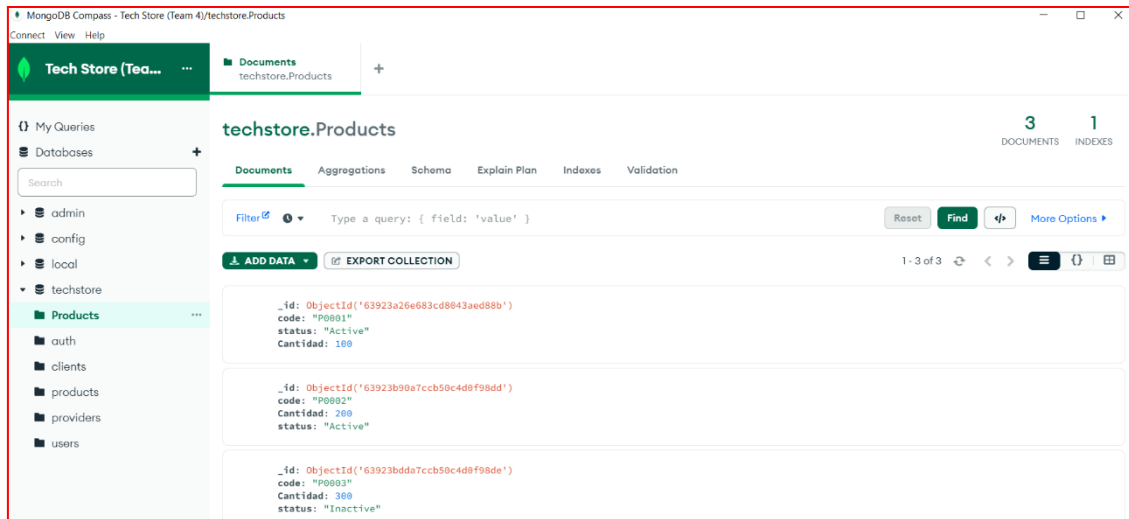
Business rules

- Apply discount.
- Calculate stock.
- Calculate full value.
- Calculate employee commissions.

6. Execution of the application in the cloud or hosting.

http://unixteam.tk:8080/TECHSTORE/index.jsp

Video Link:

https://drive.google.com/drive/folders/1CwIPmCOOL0UR-eZmUi4lUx1x7RkRa_hv?usp=share_link