



ESPE
UNIVERSIDAD DE LAS FUERZAS ARMADAS
INNOVACIÓN PARA LA EXCELENCIA



Web Application Development

Team 4

MEMBERS:

- Pardo Rómulo
- Pila Nataly
- Pilligua Washington
- Romero Cristhian

Theme:

Client - Server Web
Development

Tutor:

PhD. JORGE EDISON LASCANO Mgs

Activity 1

ACTIVITY #1

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:

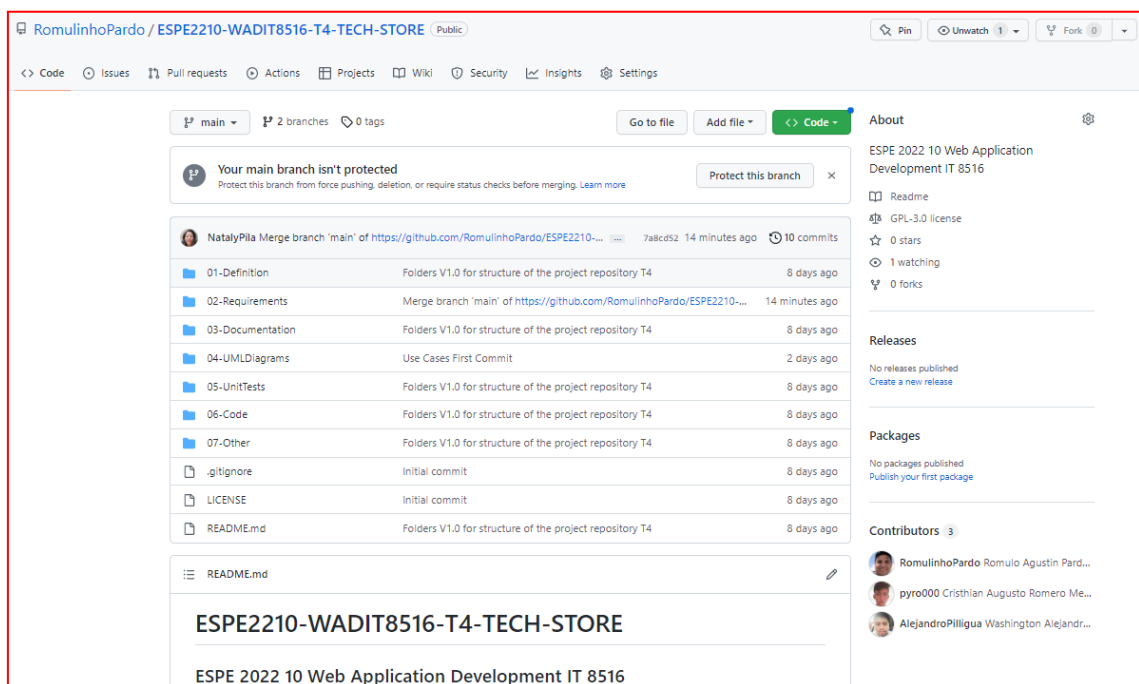
- Pardo Salazar Romulo Agustin
- Pila Iza Narcisa Nataly
- Pilligua Chiliguano Washington Alejandro
- Romero Mesias Cristhian Augusto

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



<https://www.youtube.com/watch?v=1-yV6cv0JmQ>

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

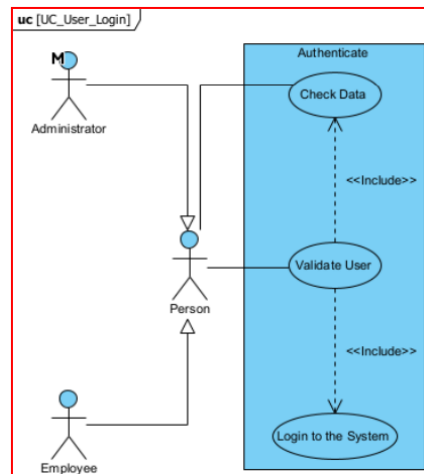


3. Diagrams (Classes, Use Cases, Architecture)

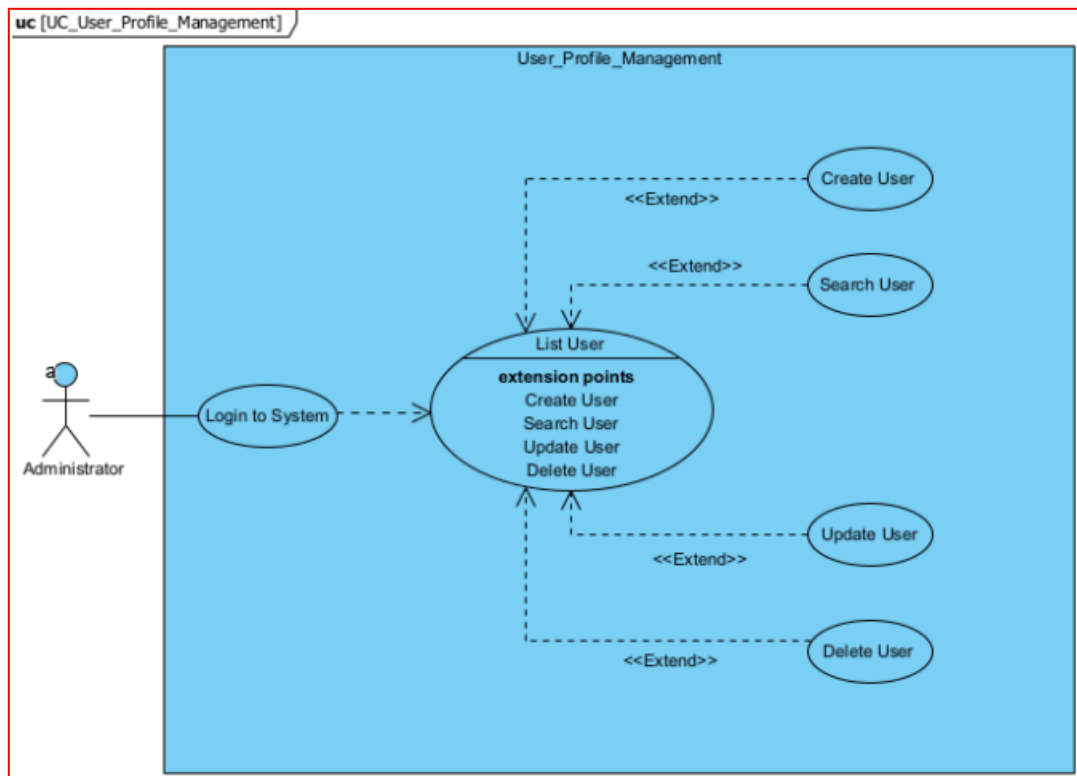
Through use cases we can describe the steps or activities to be carried out in each process. Use

- **Cases Diagram**

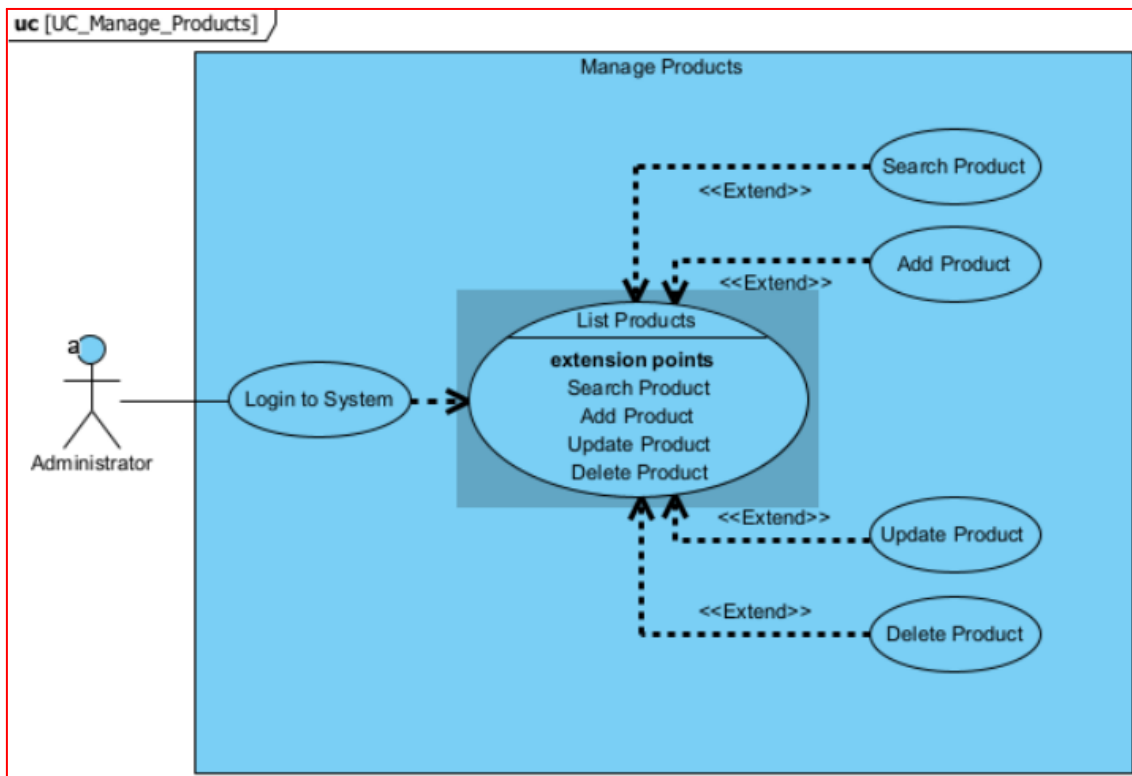
User Login



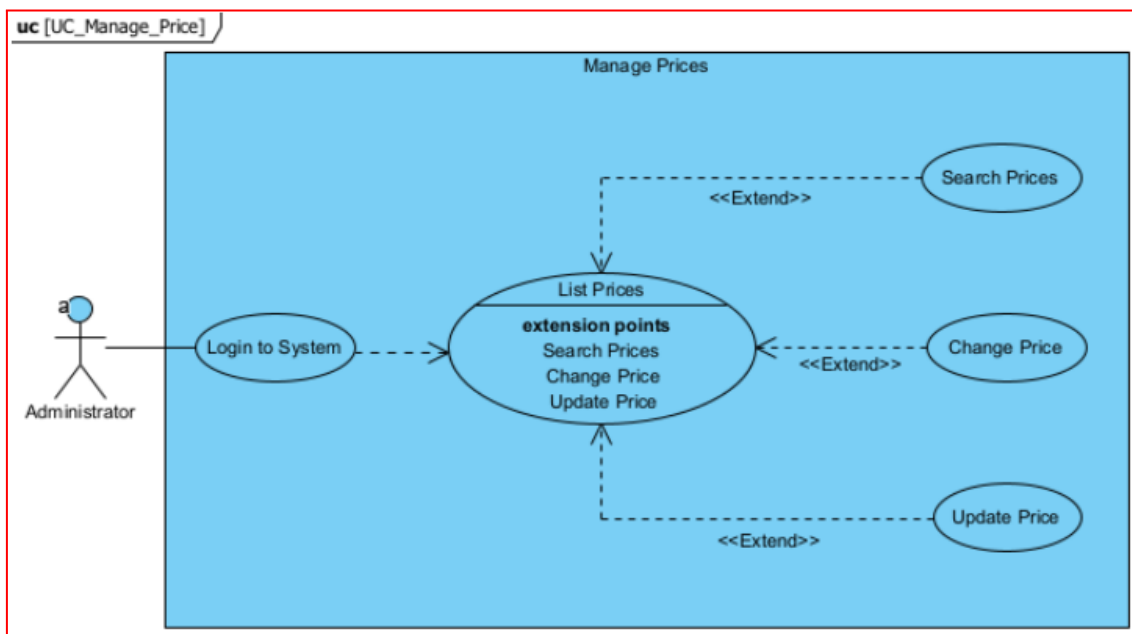
User profile management



Manage products

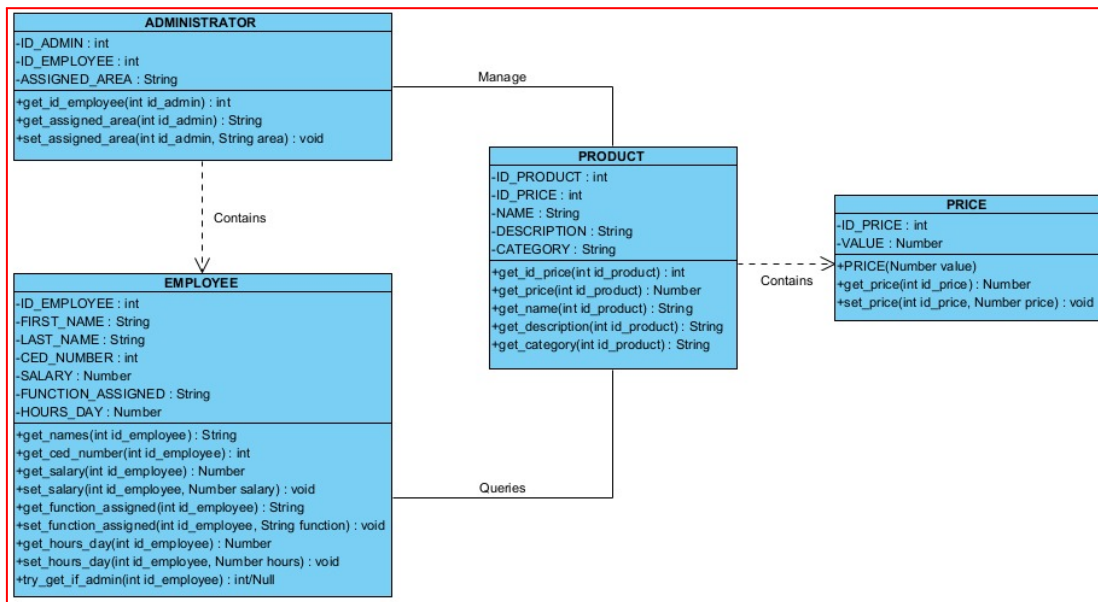


Manage price

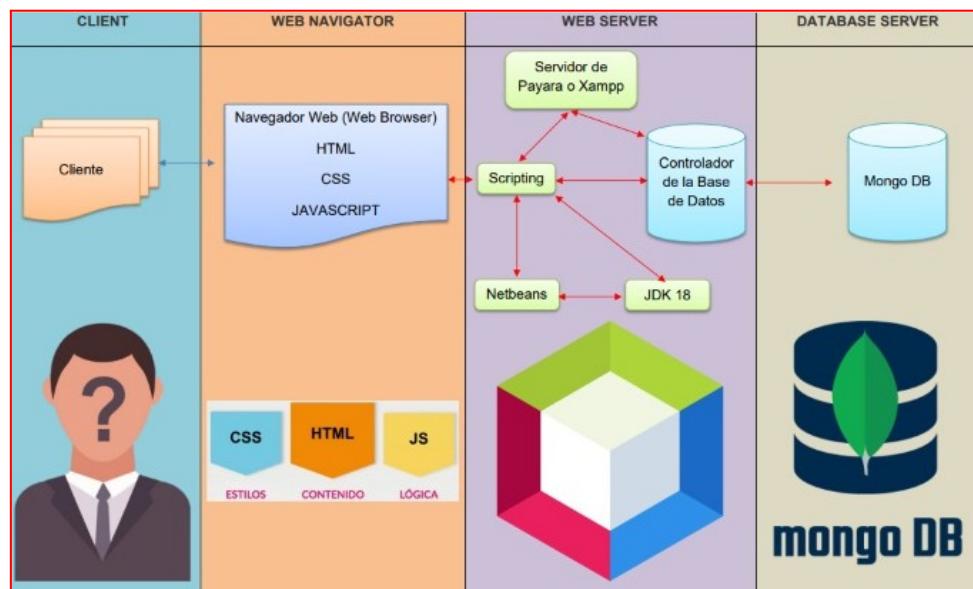


- Class Diagram

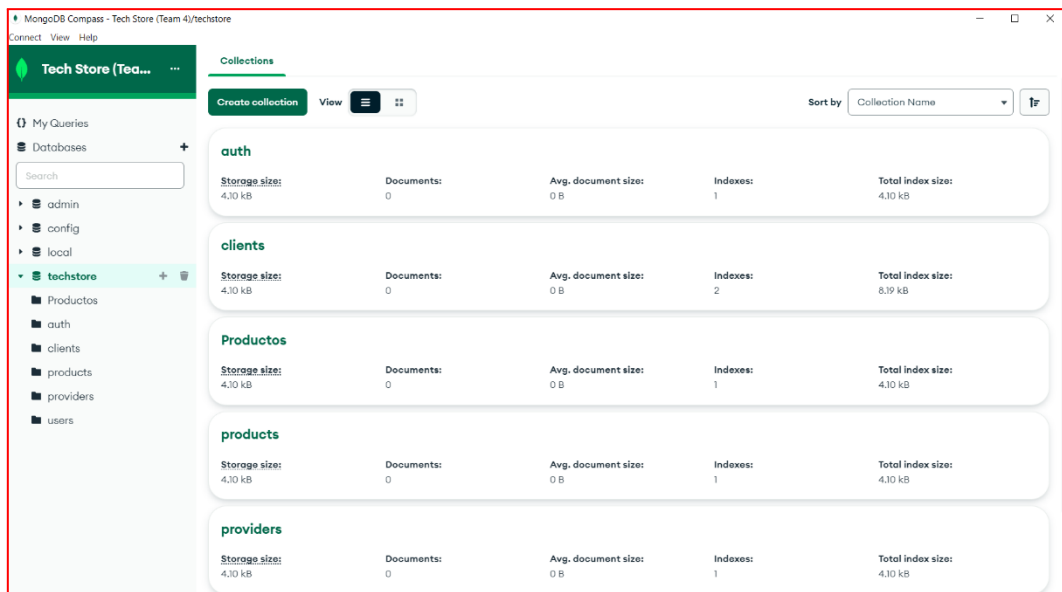
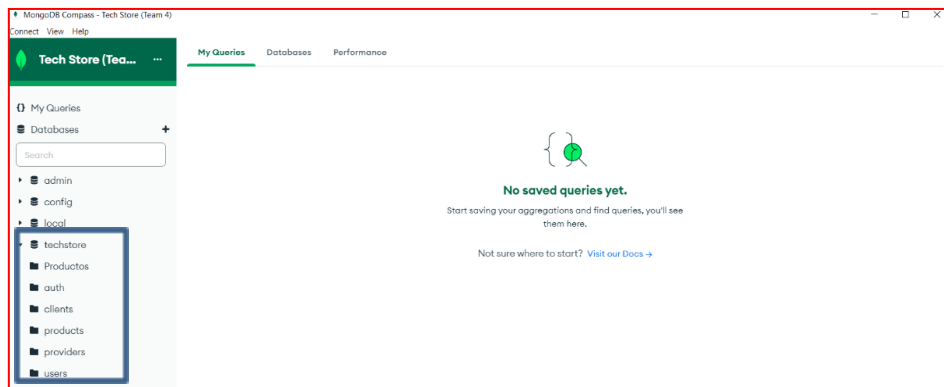
The classes that make up the Web Application are described below, as well as its methods and attributes.



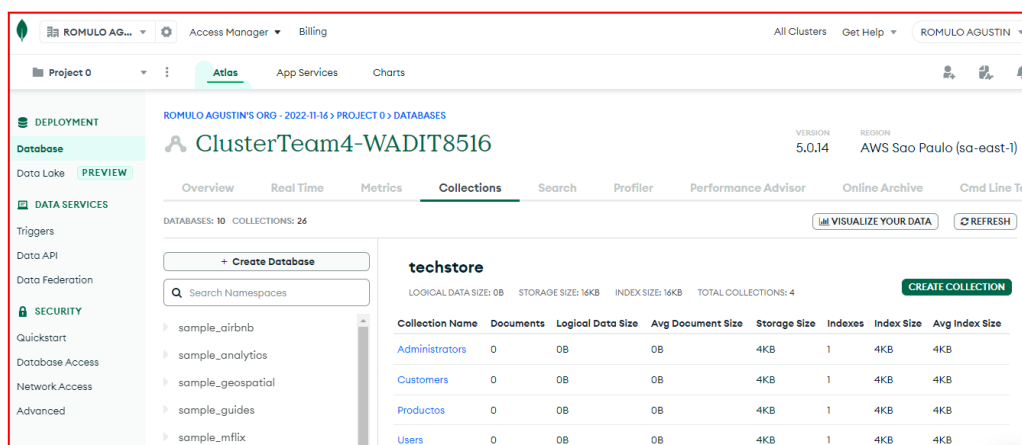
- And this is the general Architecture we followed:



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

- User registration.
- Product registration.
- Price registration.
- Administrator registration

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

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

Lista de Productos				
ID	Cantidad	Estado	Editar	Eliminar
Agregar				

Lista de Productos				
ID	Cantidad	Estado	Editar	Eliminar
P0001	100	Active	Editar	Eliminar
P0002	200	Active	Editar	Eliminar
P0003	300	Inactive	Editar	Eliminar
Agregar				

The screenshot shows the MongoDB Compass interface for the 'Tech Store (Team 4)' database. The 'Documents' tab is selected, displaying the 'techstore.Products' collection. The interface shows 3 documents and 1 index. The documents are as follows:

_id	code	status	Cantidad
ObjectId('63923a26e683cd8043aed88b')	P0001	Active	100
ObjectId('63923b90a7ccb50c4d8f98dd')	P0002	Active	200
ObjectId('63923bdda7ccb50c4d8f98de')	P0003	Inactive	300

Link Video: <https://www.youtube.com/watch?v=1-yV6cv0JmQ>