

## Workshop 2

### Advanced\_Programming

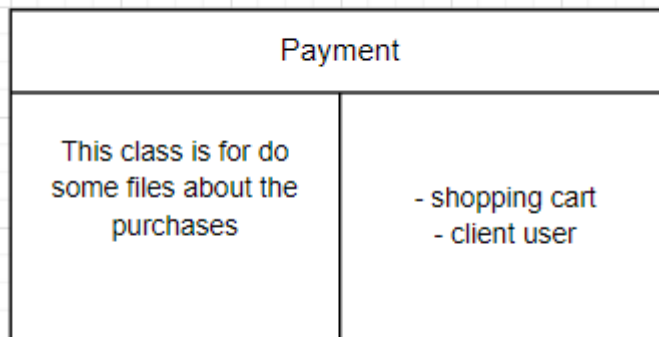
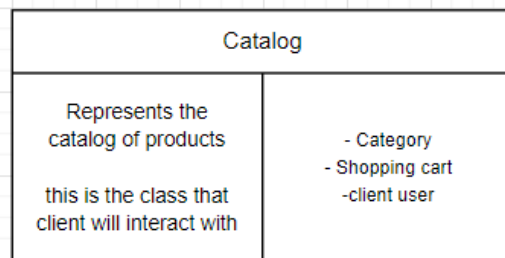
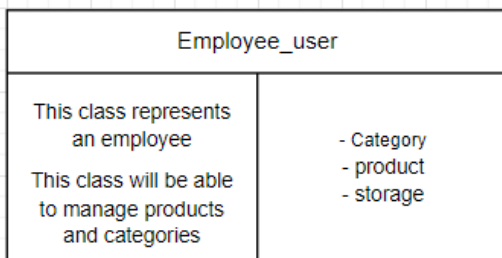
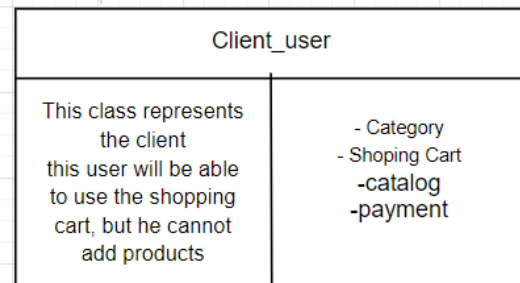
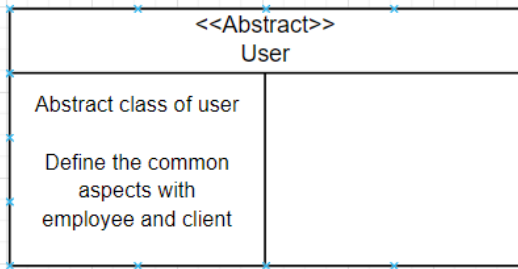
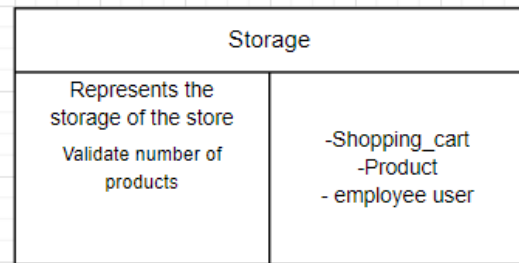
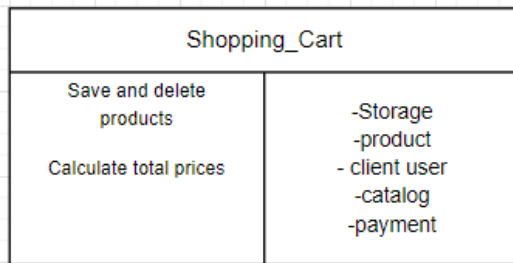
Miguel Andres Contreras Rodriguez 20232020020

#### User Stories:

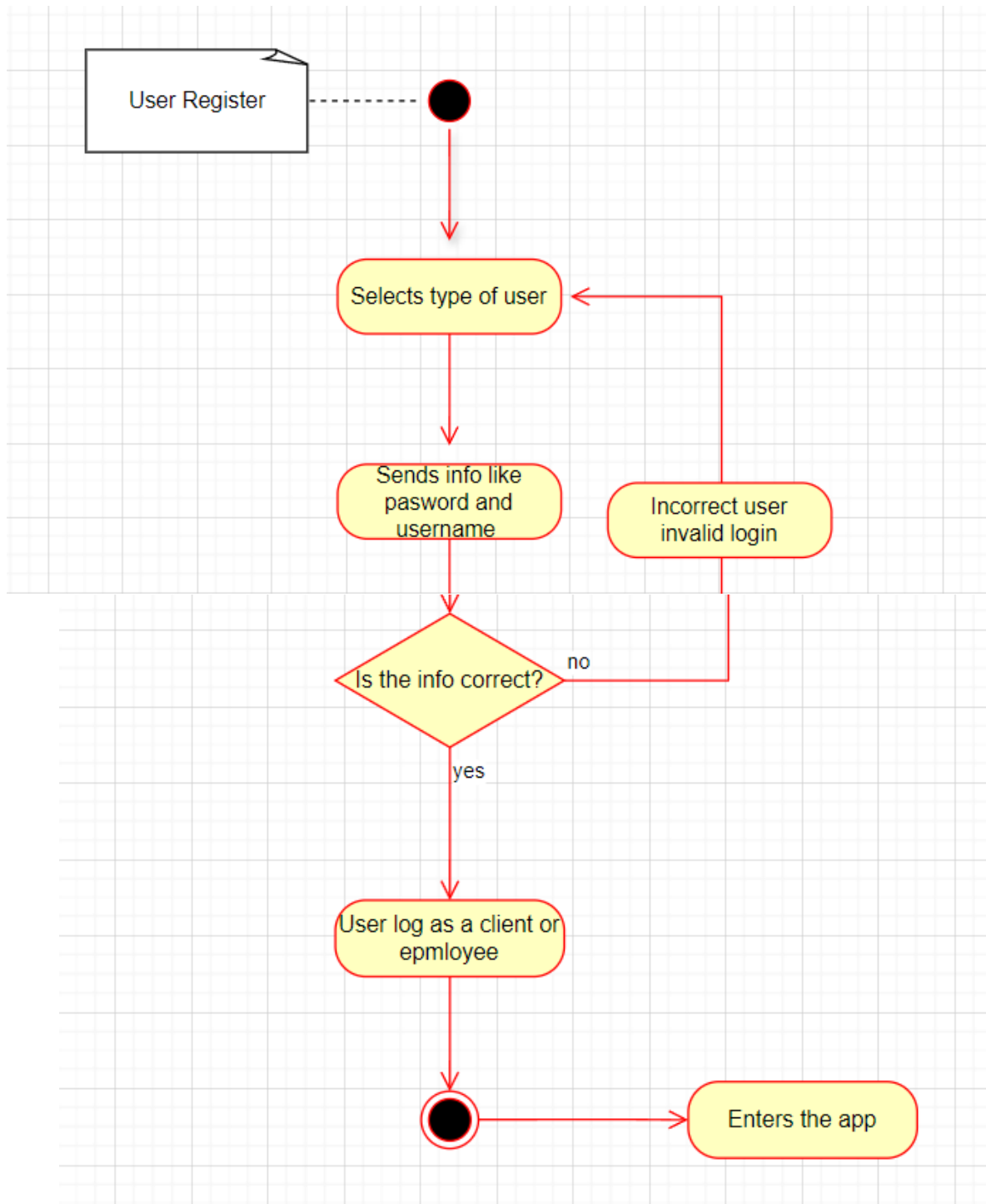
- As an employee, I want to see a document, so I know the info of the orders.
- As a client, I want to eliminate products from shopping cart, so what I can put a product on the shopping cart without problem.
- As a client, I want to have a filter by prices, so I can buy things I have money for.
- As an employee, I want to have a document, so what I can see client's suggestions.
- As an employee, I want to refresh the products, so I can put more products or just don't sell anymore one of them.
- As a boss, I want to see the income money, so I can calculate stuff about the business.
- As a client, I want to have my account, so I can buy things easier, without writing my personal information too many times.
- As a client, I want to have an history of products, so I can see what I bought
- As a client, I want to pay on fees, so I can buy something and pay later

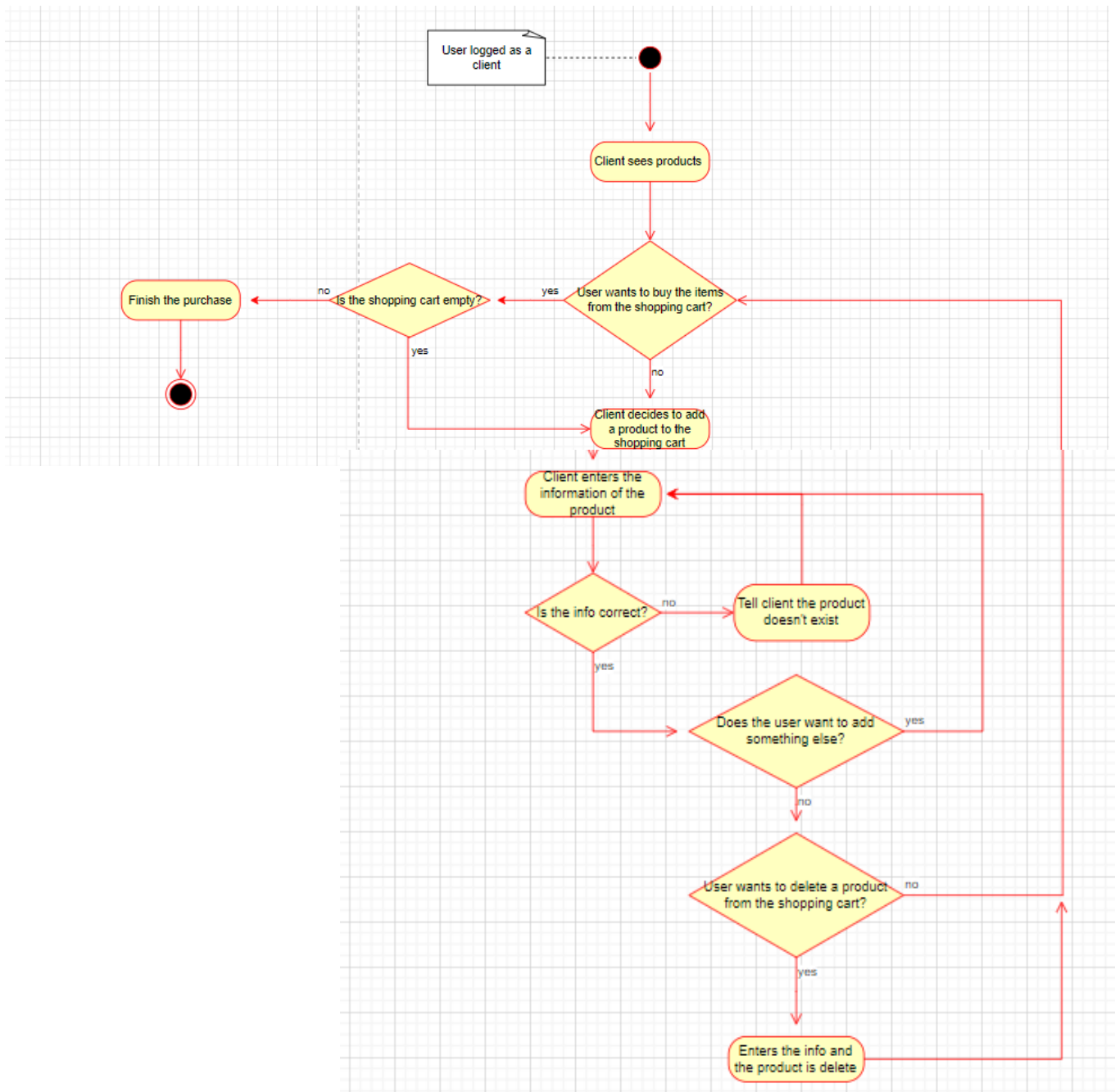
#### CRC Cards:

Product		Category	
have all the info of the product	<ul style="list-style-type: none"><li>- Category</li><li>- Shoping Cart</li><li>- Storage</li><li>-Employee user</li></ul>	<ul style="list-style-type: none"><li>Show info of the category</li><li>Add products to the category</li></ul>	<ul style="list-style-type: none"><li>-Product</li><li>-Catalog</li><li>- client user</li><li>-employee user</li></ul>

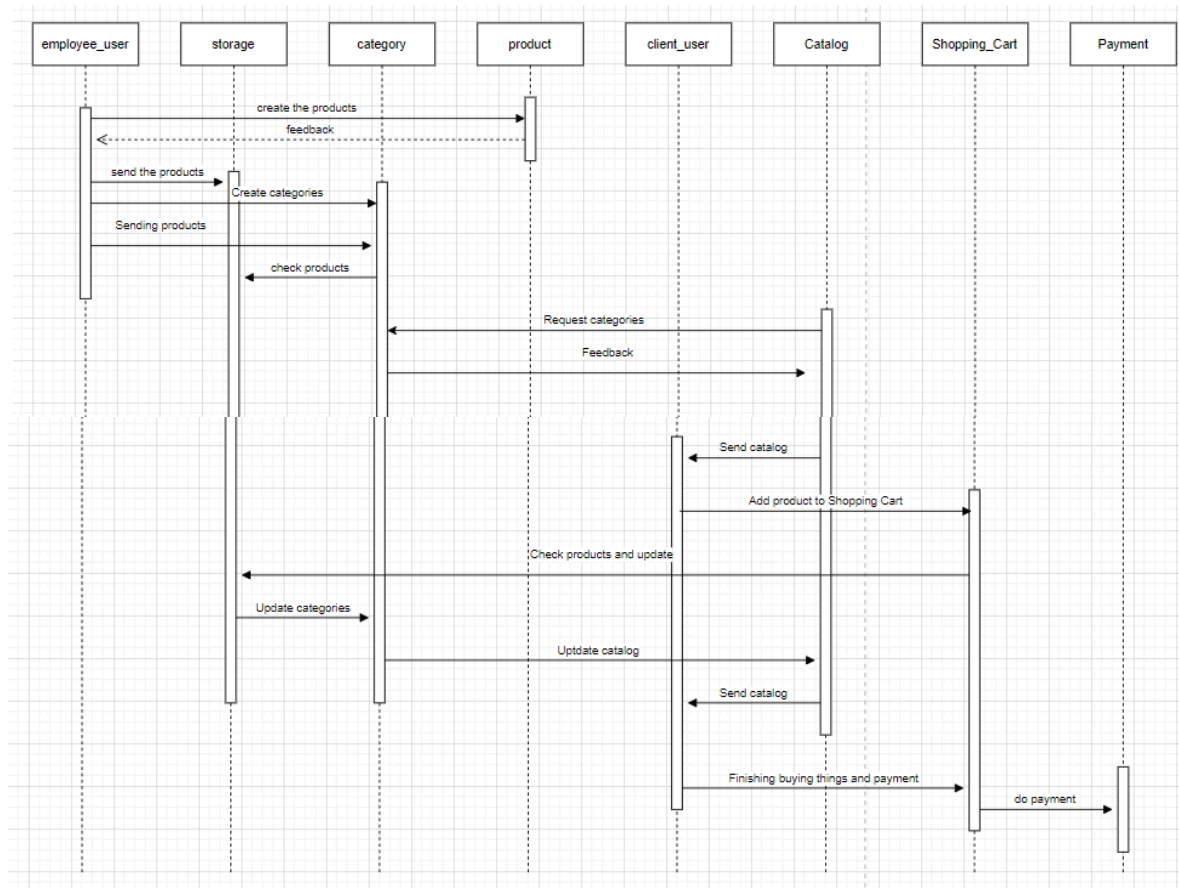


Activity diagrams:

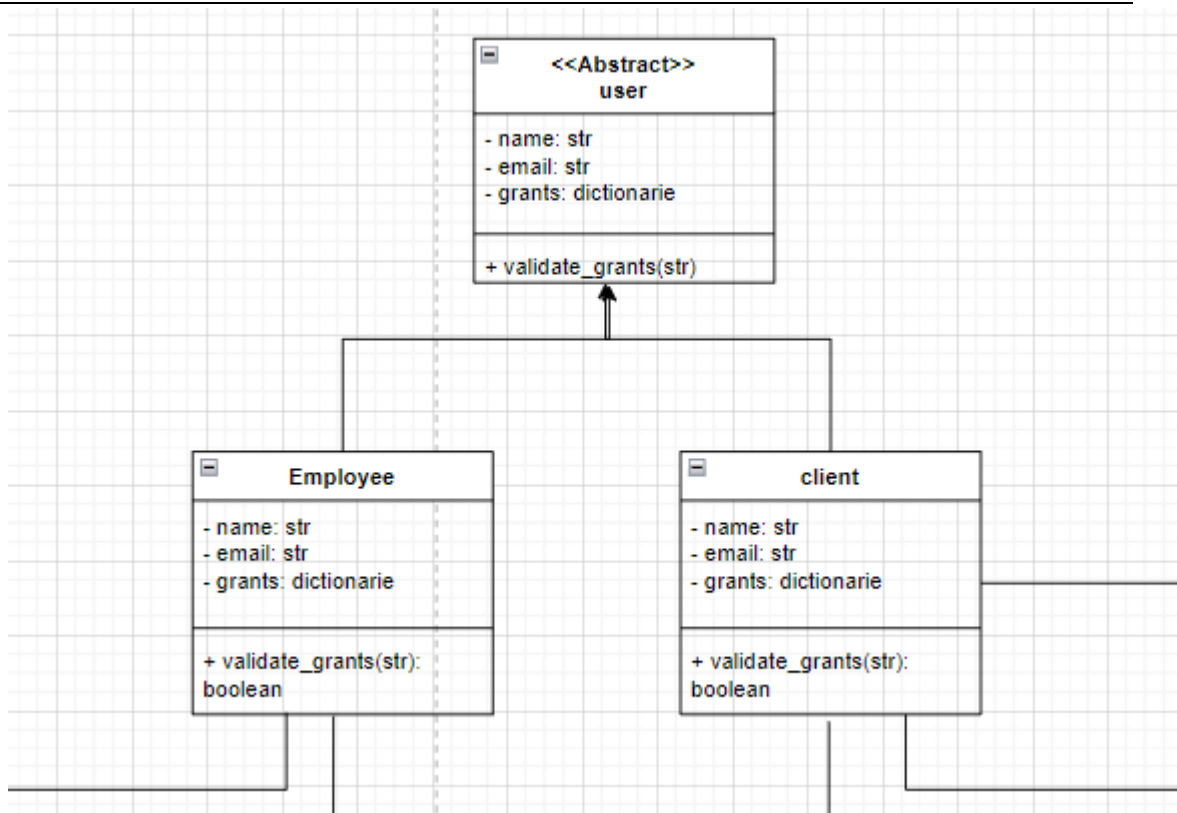
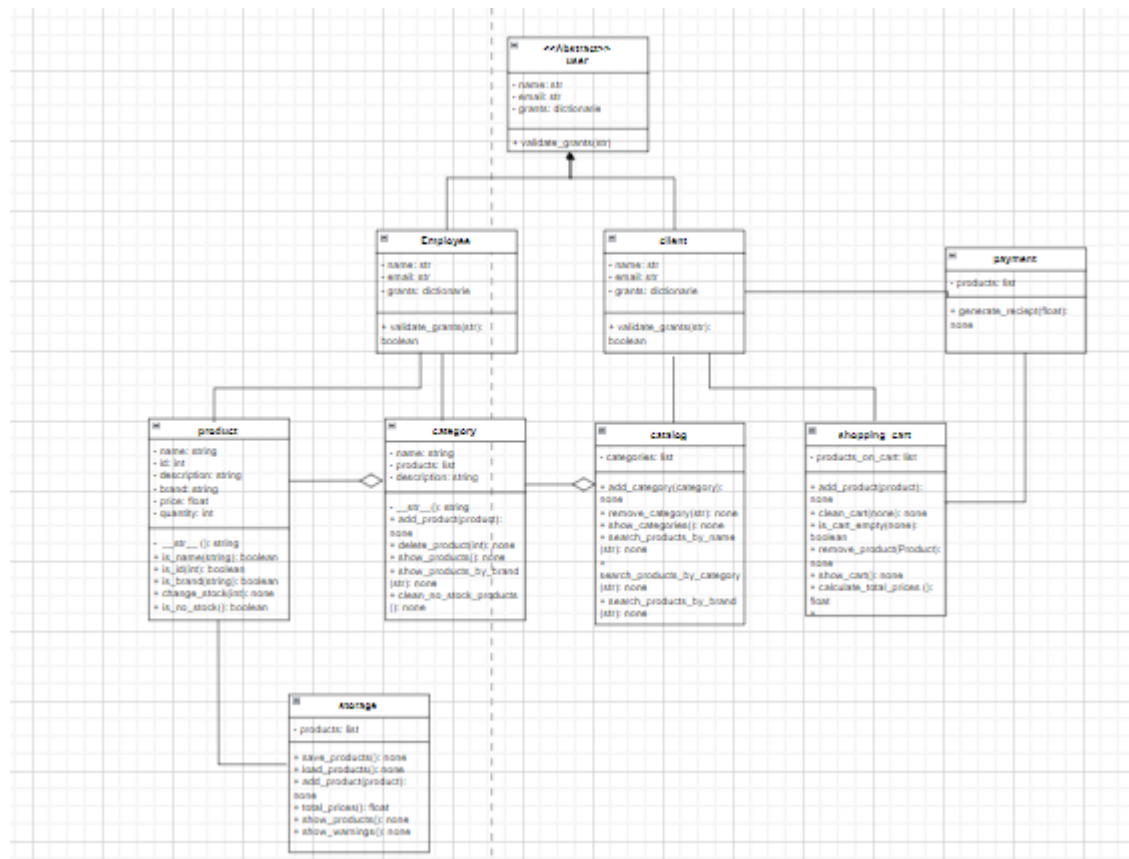


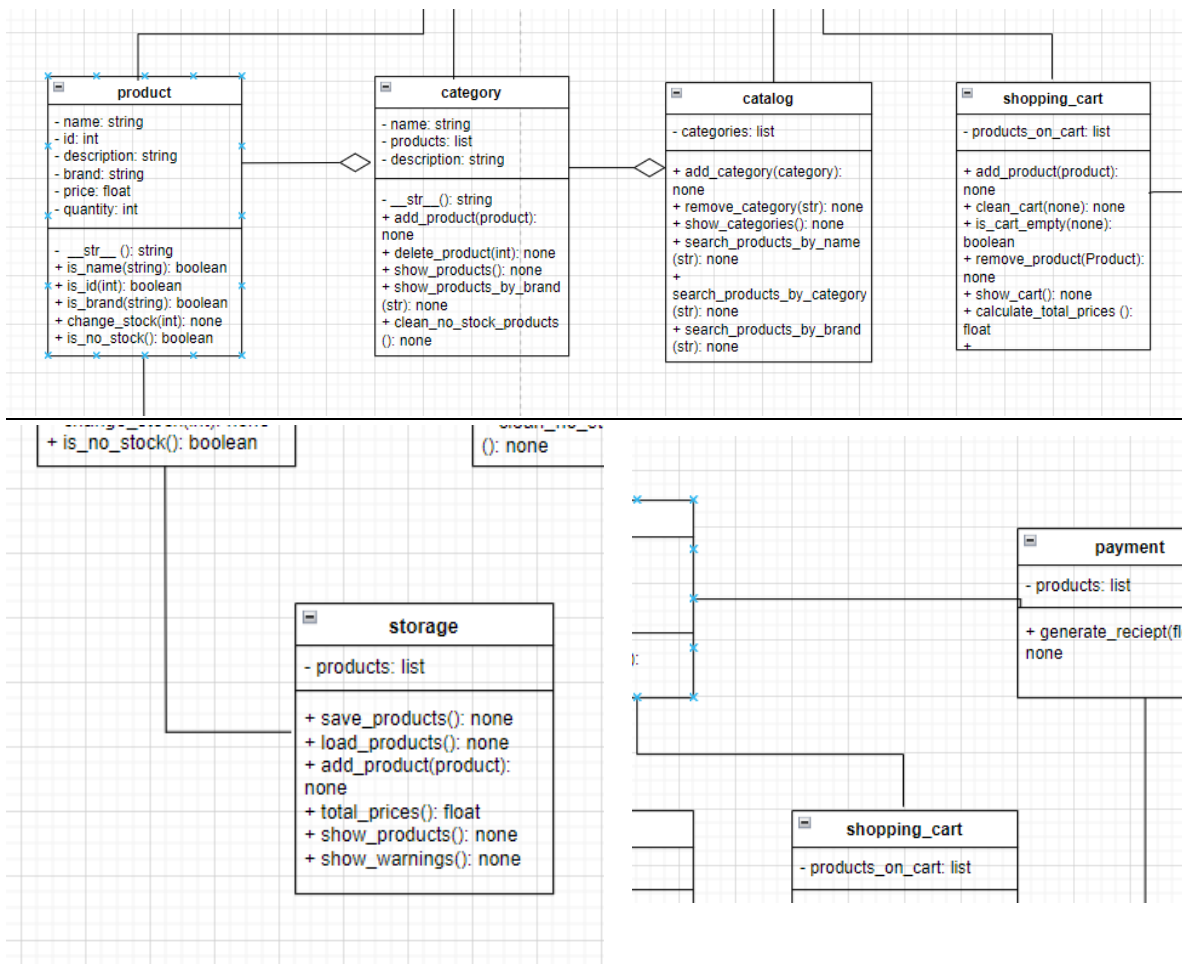


Sequence diagram:



## Class diagram





## Analysis:

On this time, I re-build all the code, the last one was so bad, and it was easier do it from zero than improve the other code, I decide to take classes of the most important things, one of them is the storage class, that is so necessary for save products even if you close the code, and it makes easier to manage the products for an employee, also I created a single class just for save the purchase that have been done on the app.

I divided into employee and client for a better experience on the app, both have different grants, the other important think, is that now I have a class that represents the products inside of having like three lists, that was so inefficient.