Immagine che contiene logo

Descrizione generata automaticamente

Iqueue Project

UML Design

Software Engineering for Automation (2022-2023)

Immagine che contiene testo

Descrizione generata automaticamente

*UML Architectural* document helps to create an architectural diagram of our Iqueue project. The goal of this document is to give a description of the main functionality and architecture of our app to ease the reading of the architectural diagram.

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* Customer subscribe
* Shop owner subscribe
* Add/remove Shop
* Add/remove Shop product
* Add/remove Shop product discounts
* Add/remove Booking
* QR code generation
* Sent notification
* Add/remove customer from queue
* Show shop
* Compute waiting time
* Add shop review
* Generate rewards

The main functions that the shop owner should do are:

* Add/remove customer without APP in queue
* Count products
* Set waiting time
* Generate Advertisement

The main functions that the customer should do are:

* Select shop
* Select time slot
* See queue
* Add/remove from wishlist
* See purchased list

The main functions that the GPS system should do are:

* Guide the client to the desired shop
* Track the customer position

Main components of our system:

* UserGUI
* CustomerGUI
* ShopownerGUI (nb servono tutte e tre separate perchè se sei un customer puoi fare delle azioni tipo vedere i negozi con determinati bottoni, se sei uno shopowner puoi fare altre azioni con un altro tipo di interfaccia grafica)
* Dispatcher\_customer
* Dispatcher\_shopowner
* Booking\_manager
* Queue\_manager
* QR\_manager
* GPS\_system

From the CustomerGUI we are able to oversee also the classes of the QR, the Shop and the TimeSlot: to ease the reading of the diagram, these relationships are not reported.

From the ShopOwnerGUI we can scan the QR and see our advertisements: to ease the reading of the diagram, this relationship is not reported.

Ho connesso UserGUI a usersubscription; ho connesso customer GUI a Whishlist, Purchaselist, Shop e QR con relazione diretta. Rossi però non li connetteva. Li domanderei se le connessioni sono corrette al prossimo meeting. Ho connesso ShopOwnerGUI a shop e product.

Connettere ShopOwnerGUI, CustomerGUI a UserSubscription???