POLITECNICO
MILANO 1863

ATD

CLup – Customer Line Up

Rei Barjami – 10588572

Simone Bianchera – 10611808

Niccolò Borrelli – 10615638

Link to repository: https://github.com/LudovicoRighi/RighiGherardi

Authors

- Ludovico Righi
- Enrico Gherardi

Considered Documents

- RASD
- ITD

Installation setup

The procedure to install the software, both server side and clients side was coherent to the one described in the ITD documents, with also the use of the provided document called GuideProfessorFraternali.pdf .

The developers were available for resolving a problem we had with dependencies on Eclipse, which is an IDE that we never had experience with before.

We did the recommended installation with the apk, we didn't try the alternative one (EXPO) which was only meant to be done if the first one didn't work.

Acceptance test cases

We tested the following tests declared in the ITD which was:

Test Case 1: Customer Registration.

We tried to sign up insert random values for both username and password, we checked if they were correctly inserted into the database and we also checked if by signing up multiple times with the same username it was not registered, the test result was successful.

Test Case 2: Customer Login.

We tested two different cases, in the first one the provided username was already registered in this case the system correctly gave us access to the application, the second the provided username wasn't in the database, in this case the system didn't give us access to the application like expected.

Test Case 3: Add LineUpRequest.

We tested the LineUp feature, we controlled if the system correctly gets the position by the device and if the calculated distance from the selected store was correct regarding the possible different movement type available to choose. Moreover, we noticed that the duration of the visit was fixed to 10 minutes and according to this observation the entrance time for the request was correctly calculated.

Test Case 4: Delete LineUpRequest

After performing a delete on a line up request we checked that in the database the deleted line up was effectively deleted.

Test Case 6: Retrieve Supermarkets

After making a request the request itself was correctly shown to the user.

Additional Points

1- With the assumption that every user can make only one line up (as described in product functions in the RASD), the risk is that the user experience will be worse. It's unusual that a customer will find every item needed in a single store (or maybe at the price they want), therefore it's typical that a user would like to waste less time as possible.

2- Due to the absence of a user profile, after performing a logout followed by a login it isn't possible to take vision of already performed line ups.

3- Entrance time for each customer is always slipped by 10 minutes without taking care of the maximum capability (e.g. if a store has max capability of 2 and is empty two user should enter at the same time, not at 10 minutes of difference one from another). Trying only with server side, without the maps localization, the waiting time for the first two of the day is correct.

4- We didn't try multiple request deletion from different accounts due to point 2, so we couldn't check if the entrance time would have changed for the following requests of the deleted one.

5- The UI is very user friendly and easy to understand, so it can be used by every type of person.