Food Waste

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Summary

The primary objective of the second laboratory assignment is to design the system and required changes. While in the first laboratory work we analysed business and all its processes, this time the attention on existing system and the changes.

The main tasks of this iteration:

1. Domain model.
2. Use cases.
3. Sketches.

Contents

1 Context

For a system to be successful, it must be developed with the intention of solving a real-world problem, which, in our case, is reducing food waste in restaurants and shops. The software is useless if it does not solve required problem. In this part we analyse our problem and how it is intended to be solved.

1.1 Goal of the system

Reduce food waste by distributing it.

1.1.1 The problem

Not all food products are sold before spoiling, sometimes restaurants do not use all the food they have bought.

1.1.2 Solution

Prepare a plaftorm that would stand as a middle man helping people sell excess food while allowing others to buy it cheaper.

1.2 Planned changes

To further develop and increase the functionality of the existing system we created several tasks.

1.2.1 Change list

- Restaurant might have multiple addresses.
- Remove reservation.
- Allergens tags on food products.
- Notifications for selected restaurants (whenever they add a new product)

1.2.2 Impact of changes

1.2.3 Use case models

1. Multiple addresses for restaurant.

User: Might encounter offers from the same restaurant but with different address. Will be seeing restaurant's rating combined from multiple locations. Nothing else changes

Restaurant:

Adding new address: Clicks on restaurant profile which opens profile window. Presses edit settings. Under locations submodule adds new address.

Removing one of the addresses: Clicks on restaurant profile which opens profile window. Presses edit settings. Under locations submodule removes one of the addresses (can't remove if that's the last address).

Adding new product when one more than one address is specified: Workflow is identical to adding a product. The only change is that now restaurant has to select which location the product is in (from the addresses they have filled).

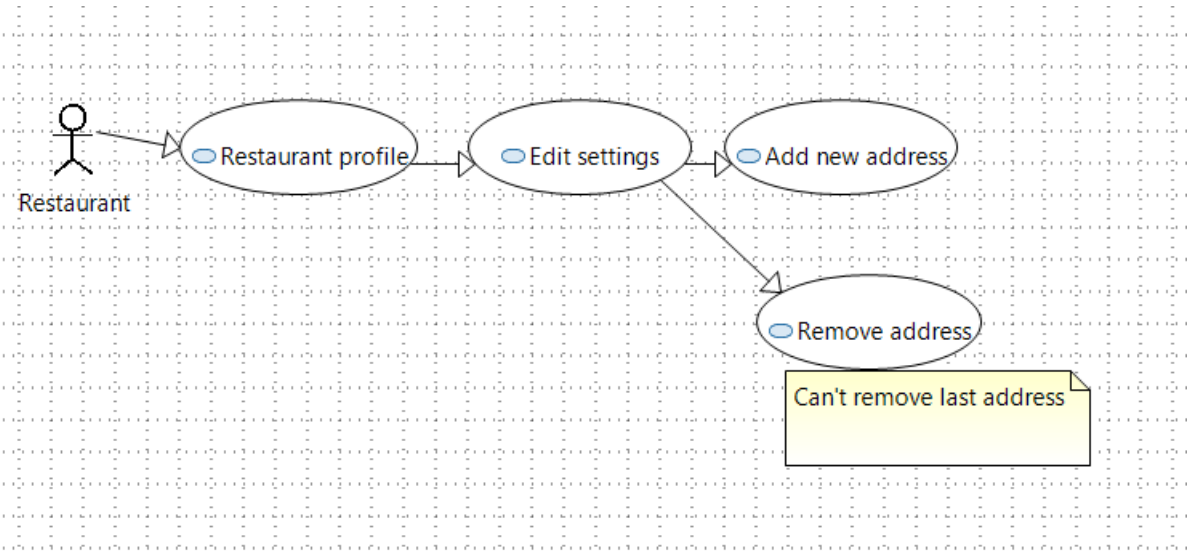

Figure 1: Use case diagram