Coffee Maker 2.0
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Project Description

Problem Statement

- The coffee machine can save only three recipes, which is not up to today's standards.
- To order from the coffee machine, The Drinker must be there physically, which takes time the further away he is, thus making it an unacceptable loss to order a coffee from a certain distance.
- There is no possibility to change the inventory of the coffee machine, which is inconvenient when the coffee, milk or sugar spoils or it is decided to change the brands of the inventory products.

Conclusion

The Coffee Maker needs to be upgraded with the ability to remotely receive and send the orders to the customers. It also needs to save more recipes and allow for unconstrained inventory changes.

Objective/Approach

Objective

Creation of **Co**ffee **Ma**ker 2.0 (CoMa 2.0)

Approach

1. Research remote order systems to find the best approach for designing the remote functionalities of CoMa 2.0
2. Construct the requirements for CoMa 2.0
3. Administer a feasibility study form CoMa 2.0
4. Design a service-oriented system that allows for remote ordering of coffee, delivering it to The Drinker; saving more recipes and allowing free inventory and changes.
5. Develop required services for CoMa 2.0
6. Deploy CoMa 2.0
7. Validate the success of CoMa 2.0

Schedule

Date	Task	
24/01/2023	Research of remote ordering systems	
07/02/2023	System requirements construction	
14/02/2023	Feasibility study of the CoMa 2.0 system	
28/02/2023	Design of the CoMa 2.0 system	
14/03/2023	Implementation of the required CoMa 2.0 services	
14/04/2023	Final CoMa 2.0 testing	
21/04/2023	Employment of the required staff	v simultaneously
21/04/2023	Deployment of CoMa 2.0 devices and systems	^ simultaneously
14/05/2023	Validation of the success of CoMa 2.0	

Requirements

Benefits

(Functional)

- Ability to order coffee remotely rather than physically
- Ability to manage inventory of the coffee machines freely
- Possibility to save almost infinite number of recipes to the system
- Thanks to the remote order possibilities and delivery service, more people might use the CoMa 2.0, which will result in higher monetary gains.

Constraints

(Non-functional)

- There might be a lot of simultaneous orders, which, depending on the funds invested in the delivery and scale of the coffee production, might result in longer waiting times.