

CoffeeMaker Next Generation

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Project Description	Objective/Approach												
<p>Problem Statement</p> <ul style="list-style-type: none">• Due to the fact of having limited number of inventory types, some people don't use CoffeeMaker• Command Line Interface is outdated• There is no support for payments by card• No delivery of the ordered coffee• Limited number of recipes may be added to the system <p>Conclusion</p> <ul style="list-style-type: none">• An upgrade of existing version of CoffeeMaker with additional functionalities and delivery is needed .	<p>Objective</p> <p>Create an updated version of the CoffeeMaker, controlled by application and supporting the coffee delivery across the whole building.</p> <p>Approach</p> <ol style="list-style-type: none">1. Review and analyze existing delivery solutions2. Define system requirements and use cases3. Architect and design the system4. Implement the new version of CoffeeMaker5. Implement delivery system6. Verify and validate the design and use cases												
Resources/Schedule	Requirements												
<table><tbody><tr><td>Existing solution review report</td><td>25/01/2023</td></tr><tr><td>Use Case diagrams</td><td>14/02/2023</td></tr><tr><td>Architecture and Detailed design</td><td>20/03/2023</td></tr><tr><td>Application development</td><td>23/09/2023</td></tr><tr><td>Delivery system development</td><td>13/11/2023</td></tr><tr><td>Validation of the system as a whole</td><td>28/12/2023</td></tr></tbody></table>	Existing solution review report	25/01/2023	Use Case diagrams	14/02/2023	Architecture and Detailed design	20/03/2023	Application development	23/09/2023	Delivery system development	13/11/2023	Validation of the system as a whole	28/12/2023	<p>Benefits (Functional)</p> <ul style="list-style-type: none">• Time saving for people ordering the coffee using delivery• Improved interaction with a system using user friendly application• Increased number of payment types to fit every user• Increased number of inventory types to support health habits of wider range of people• Added favourite drinks in order to decrease order time• Added possibility to plan coffee delivery and synchronization of the system with the person's schedule in order to decrease order time <p>Constraints (Non-functional)</p> <ul style="list-style-type: none">• Increased number of recipes per person by using cloud storage• Multiple orders may be accepted at the time using a queue
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