CoffeeMaker System
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Project Description

Problem Statement

- Limited options for customers to customize their coffee orders
- Difficulty in providing a wide range of options for coffee
- Difficulty in ensuring 24/7 availability of the coffee machine to meet the needs of students, faculty, and staff who may use the 24-hour computer lab.
- Difficulty in ensuring the system is easy to use and user-friendly

Conclusion

The CoffeeMaker project aims to develop a user-friendly interface for a coffee machine that allows customers to order coffee within mobile app or directly from the machine. The goal is to create a system that is easy to use and customizable, so that customers can quickly and easily make their perfect cup of coffee. Additionally, the project will focus on ensuring that the system is reliable, efficient, and able to handle a high volume of orders.

Objective/Approach

Objective

Create a CoffeeMaker software that provide the user a good and efficient experience to purchase coffee using SORCER

Approach

- Conduct research and gather requirements from potential users to understand their needs and preferences when it comes to ordering coffee. Identify the features that are most important to users.
- Design the user interface, considering ease of use and customization options.
- Develop and test the system, ensuring that it can handle high volume of orders and provide accurate and timely dispensing of coffee in SORCER.
- Optimization: Identify and implement solutions to address any potential bottlenecks and ensure 24/7 availability of the system.
- Deploy and implement the system and provide training for users and staff on how to operate and maintain the CoffeeMaker in SORCER.

Resources/Schedule

Requirements gathering and analysis:
1 year

Design and architecture:
8 months

Development:
10 months

Testing:
2 months

Maintenance:
3 months

Requirements

Benefits

- The CoffeeMaker system will provide a user-friendly interface that allows customers to easily customize their coffee order by selecting from a wide range of options, resulting in a more satisfying experience for the users.
- The system will be designed to handle high volume of orders and provide accurate and timely dispensing of coffee.
- The system will be designed to be available 24/7 to meet the needs of students, faculty, and staff who may use the 24-hour computer lab.
- The system will be designed for easy maintenance, reducing downtime and improving the overall performance of the system.

Constraints

- There may be constraints on the budget for the project, which could limit the scope of the project.
- There may be constraints on the time available for the project.
- There may be constraints on the resources available for the project.