

Coffee shop management system

MIU Coffee and Beans shop is a new shop that aim to enable its customers to easily customize and order their drinks using a mobile based system the main concept with MIU Coffee and Beans Café system is to display main ingredients and flavors with the cost and description to each one. The customer can then customize and order their drinks.

The shop serves four types of beverages:

- house blend
- dark roast
- decaf
- espresso

In addition to coffee, you can also ask for condiments like **steamed milk**, **foamed milk**, **soy**, and **chocolate**.

For example, the customers may order HouseBlendMilk, HouseBlendSoy, HouseBlendChocolate, HouseBlendMilk with Chocolate.

The shop serves various traditional coffee drinks including:

cappuccino which is a coffee drink that today is typically composed of double espresso and hot milk, with the surface topped with foamed milk

caffè Latte, the big brother of the cappuccino, which is made with a single or double shot of espresso and steamed milk.

caffè mocha is based on espresso and steamed milk but with added chocolate flavouring.

For More coffee types and condiments check: <https://www.costa.co.uk/menu>

Teams MUST be 6 to 8 members form the same lab group.

Your Team is requested to simulate at least 2 scrum sprints to:

1. **Identify** your backlog user stories (add to trello).
2. **Write** test cases to examine creating a coffee drink object and then display it's the cost/description for any ordered drink that can be used for this system (use the attached template).
3. **Draw the following UML diagrams (upload to GitHub)**
 - Context diagram.
 - Use cases.
 - activity diagram.
 - **Sequence diagram** for customizing and ordering a drink
 - **Class diagram** focusing on enabling easy creation of different coffee types
4. **Draw data model (ERD)**
5. **Build an MVP** web application using OOP with forms connected to backend database that the customer will use to create, customize and submit an order.
6. **Bonus: Deploy your application to AWS or any other cloud service.**

Use <https://trello.com/> to manage your sprints.

Use GitHub for team collaboration and to submit your solution.

Scrum Master Should share the links for Trello and GitHub via Moodle assignment submission and complete: <https://forms.gle/jivoUzqRHYszwKcH8>