**Byte Me Canteen System**

**Overview**

**Byte Me Canteen System is a Java-based CLI and GUI application designed to manage food orders in a college canteen. The system includes role-based functionalities for customers and admins, with features such as menu management, order processing, and sales reporting. The application is tested thoroughly, and a GUI is implemented**

**Features**

**Admin Features:**

* **Menu Management: Add, update, and remove menu items.**
* **Order Management: View pending orders, update order status, process refunds, and handle special requests.**
* **Daily Sales Report: Generate reports including total sales, most popular items, and the total number of orders.**

**Customer Features:**

* **Food Ordering: Add, modify, and remove items in the cart, and proceed to checkout with payment options (cash or card).**
* **Reordering: Reorder previous orders from the order history.**
* **Reviews: Leave reviews for food items and view reviews from other customers.**

**Graphical User Interface**

* **Implemented a Graphical User Interface (GUI) for managing order history and the menu for both customers and admins, making it easier to interact with the system.**

**General**

* **GUI Integration: An intuitive graphical user interface for interaction.**
* **CLI Support: Command-line interface for efficient operations.**
* **Testing: Unit tests to ensure system reliability and correctness.**

**Testing**

* **Implemented tests for various system functionalities, including:**
  + **Unavailable Items in Cart: Tests that items not available in the menu are not added to the cart and cannot be ordered.**
  + **Invalid Usernames and Passwords: Tests to ensure that invalid usernames and passwords are rejected, preventing unauthorized login.**

**UML Diagram**