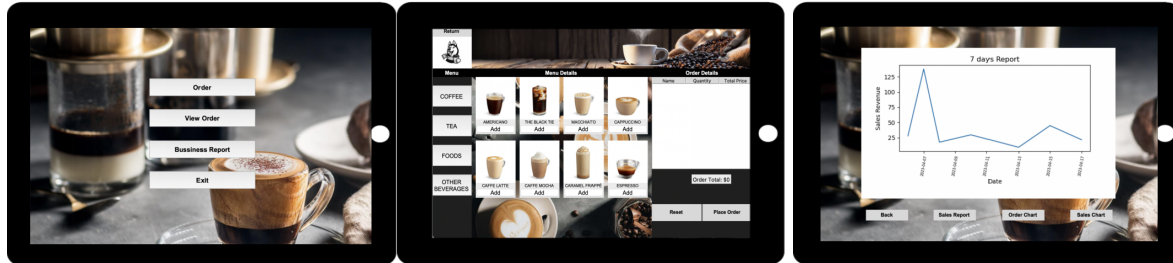


NU CAFÉ FOOD ORDERING SYSTEM

PROJECT SUMMARY:

A food ordering system designed for cafes and restaurants that enables the business to place orders for customers and to manage and analyze sales data.

INTERFACE OVERVIEW:



CORE FEATURES:

1. Place orders for customers

- **Menu switch:** switch between different categories
- **Real-time displaying:** Display order details and price in real-time as dishes are added.
- **Reset order:** clear all items to reorder.
- **Place order:** display pop-up to confirm successful order placement.
- **Order data storage:** store order information locally for future analysis.

2. View Orders

- Find order history, including order details and order total to facilitate check-out.

3. Check the business turnover with statistical charts

- **Sales report:** daily orders and sales, historical total sales.
- **Order chart:** order quantity change over the past seven days.
- **Sales chart:** daily sales over the past seven days.
- **Product sales report:** popularity of each product.

TOOL APPLIED:

Using Tkinter for building GUI, PIL for manipulating images, pandas for analyzing and manipulating data, Matplotlib for visualizing data, and datetime for handling dates and times.

PROJECT TIMELINE:

Time/Task	Jan	The First Half of Feb.	The Second Half of Feb.	The First Half of Mar.	The Second Half of Mar.	The First Half of Apr.	The Second Half of Apr.
Team Formation							
3 ideas Formation							
Determine and Refine Final Idea							
UX Design and Start Coding							
Debug and Revise							
Prepare Slides, PDF etc.							

TEAMMATES DISTRIBUTION:

Name	NUID	Responsibilities
Wenqing Pan	001560161	Team representative, writing functions for placing orders, optimizing business reports, and creating slides and one-page summaries.
Weiwei Zhuo	002697068	Designing and optimizing the user interface, implementing functionality module code, and optimizing code structure and syntax.
Rui Lu	002625578	Processing and displaying order forms, analyzing and visualizing order data, optimizing corresponding display content, and optimizing code structure and syntax.