

組別 Team ID：2025-17

專題屬性 Category：多功能網站系統（Website System Design）

專題名稱 Project：愛心義賣管理系統（Charity Sale Management System）

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三、系統環境 System environment：

（一）軟體 Software：

作業系統 Operating System: Windows

語言 Programing language: JavaScript、CSS、HTML、SQL、PL/SQL

開發工具 Toolkits: Oracle Apex

四、簡介：

（一）系統簡述

為提升義賣活動與捐贈管理的效率，本系統開發出一套「愛心義賣管理系統」，以更智慧化的方式整合義賣資訊。針對捐贈物資登錄、義賣活動發布及購買流程進行數位化設計，讓使用者能夠方便地進行物品捐贈與購買，同時也讓義賣團體能有效管理活動內容與捐贈紀錄。

（二）特色

- 多角色操作介面：本系統區分為「善心人士」、「義賣團體」、「管理人員」三種角色，依照不同使用者的需求設計專屬操作介面，確保操作流程清晰便利。
- 整合義賣與志工管理功能：除了一般義賣商品的購買與捐款功能外，系統同時提供志工活動報名與管理機制，達到多元化公益參與的目的。
- 商品與活動資訊查詢：使用者可即時瀏覽義賣商品排行、活動資訊及團體介紹，並透過搜尋與篩選功能快速找到所需內容。
- 訂單管理：系統提供結帳與訂單確認機制，使用者可查看訂單紀錄、付款狀態與配送進度，提升操作便利性與透明度。
- 友善操作介面與行動支援：系統支援桌機與行動裝置瀏覽，使用者可隨時隨地參與義賣活動。
- 報名確認通知：當使用者成功報名義賣或志工活動後，系統會發送確認通知，內容包含活動日期、活動名稱、電話、姓名，確保報名資訊正確無誤。

- 商品購物車:使用者可將要購買的商品加入購物車中，方便一次結帳與統一管理選購的物品，並可在結帳前修改數量或刪除數目。

五、 Introduction :

To enhance the efficiency of charity sales and donation management, this project introduces the Charity Sale Management System, which integrates charity sale information in a more intelligent and streamlined manner. The system digitalizes processes such as donation item registration, charity sale event publishing, and purchase procedures, allowing users to conveniently donate or purchase items, while enabling charity organizations to manage event details and donation records effectively.

Features

- Multi-Role Operations:

The system is divided into three roles: Donors, Charity Organizations, and Administrators. Each role features a dedicated user interface tailored to its specific needs, ensuring a clear and convenient operational process.

- Integration of Charity Sale and Volunteer Management Functions:

In addition to the standard functions of purchasing charity sale items and making donations, the system also offers features for registering and managing volunteer activities, thereby promoting diverse participation in public welfare initiatives.

- Product and Event Information Inquiry:

Users can instantly browse charity sale item rankings, event details, and organization profiles, and quickly find desired content through search and filter functions.

- Order Management:

The system offers a secure checkout and order verification mechanism, allowing users to view their order history, payment status, and delivery progress, thereby enhancing convenience and transparency in the user experience.

- User-Friendly Interface and Mobile Support:

The system boasts a clean and intuitive design, supporting access via both desktop and mobile devices, allowing users to participate in charity sale activities at any time and from anywhere.

- Registration Email Notification: When users successfully register for a charity sale or volunteer activity, the system sends a confirmation notification containing the event date, event name, phone number, and participant name to ensure the registration details are accurate.

- Shopping Cart: Users can add desired items to the shopping cart for convenient checkout and unified management of selected products, with the option to modify quantities or remove items before finalizing the purchase.