**Newbie Coder**

# Coffee Base
# UI Prototype

**Version 1.0**

# Revision History

| Date | Version | Description | Author |
|---|---|---|---|
| 20/Dec/2025 | 1.0 | Description for UI Prototype | Vu Phat |
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# User Interface Prototype

## 1. Introduction

### 1.1 Purpose

The purpose of this document is to provide a detailed design of the user interface (UI) and interaction flow for the Coffee base website. The document visually describes all planned screens, explains the function of each component, and presents specific use cases for each user role, including regular users, website owners, and administrators.
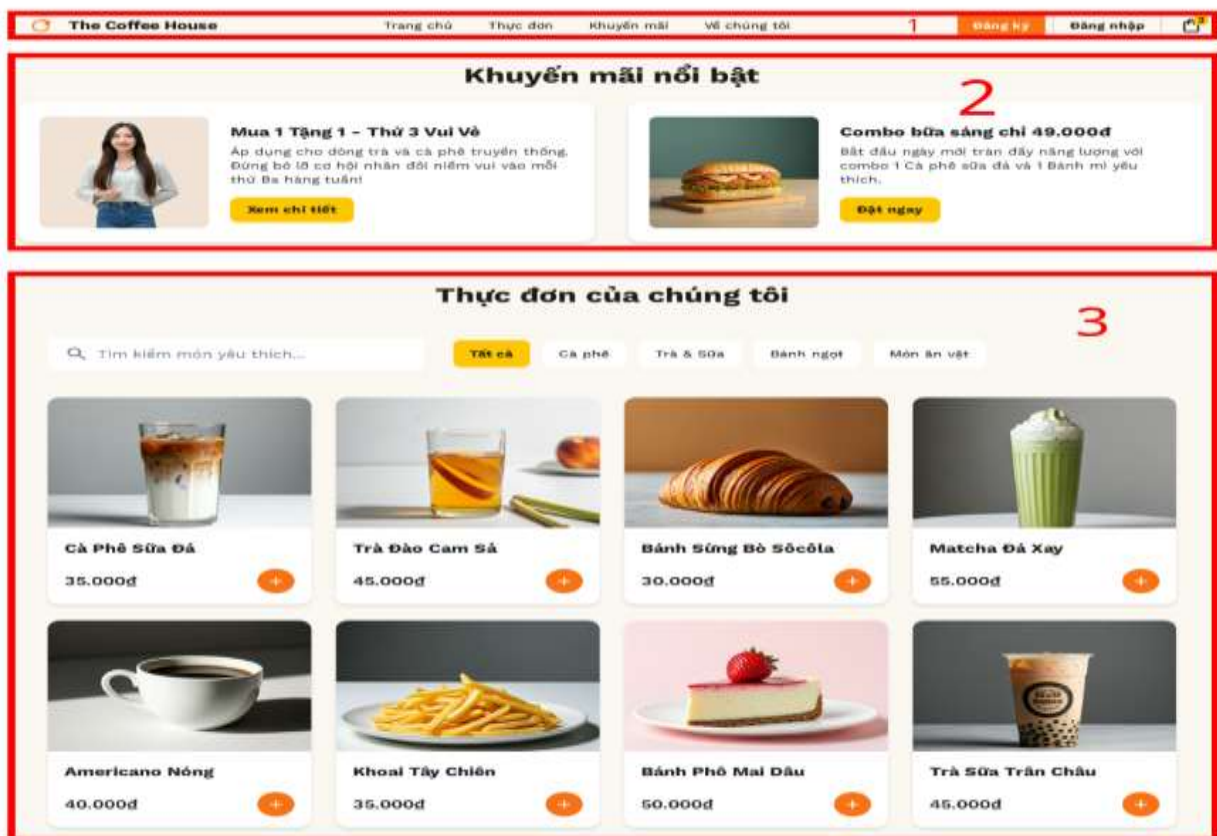
### 1.2 Scope

Provide complete information about the expected UIs of the system.

### 1.3 References

Use-case specification document.

## 2. Screens

### 2.1 Home



Description:
Homepage contains 3 main parts:

1. Header

The header is located at the top of the page and remains consistent across other screens.

- Logo: The "The Coffee House" logo is displayed on the left side and represents the brand identity. Clicking the logo navigates users back to the homepage.

- Navigation menu: Includes links such as *Home*, *Menu*, *Promotions*, and *About Us*, allowing users to quickly navigate between main pages.

- Sign up and Sign in buttons: Located on the right side of the header. When clicking these buttons, the system will display a login or registration popup window.

2. Featured Promotions Section

This section highlights current promotions.

- Promotions are displayed in card format, each containing an image, promotion title, short description, and an action button.

- Action buttons such as "View details" or "Order now" allow users to navigate to promotion details or start the ordering process.
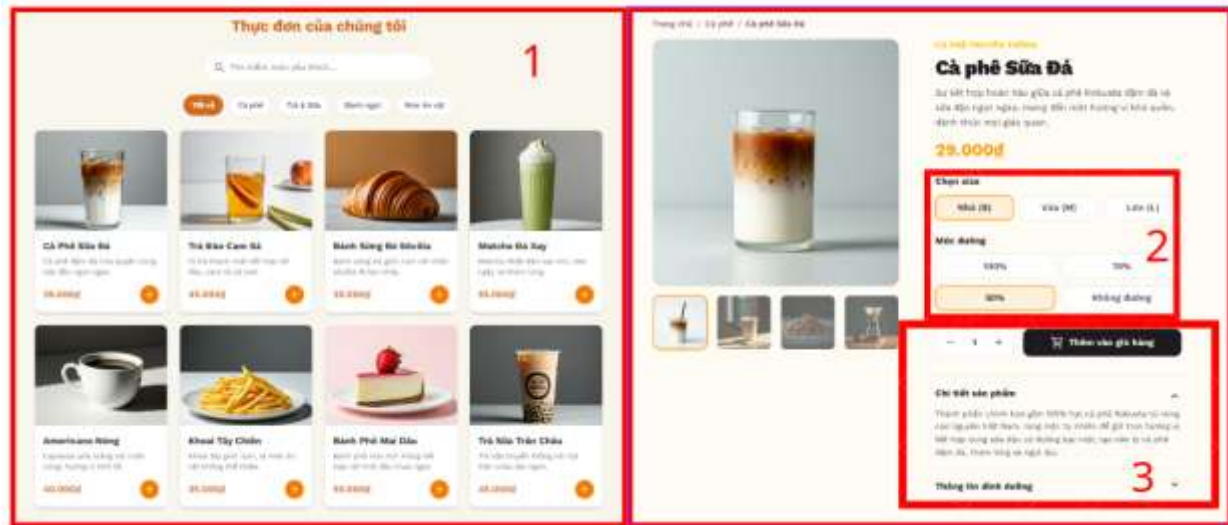
3. Menu Section

This section displays the product list.

- Search bar: Allows users to enter keywords to search for their favorite items. The system will filter and render matching results.

- Category filter buttons: Including *All*, *Coffee*, *Tea & Milk*, *Bakery*, and *Snacks*. Selecting a category will display products belonging to that category.

- Product grid: Each product card includes an image, product name, price, and a "+" button to quickly add the item to the cart.

## 2.2 Menu

Description:

Menu Listing Page

This page displays the full list of available products.

- Search bar: Allows users to enter keywords to search for favorite menu items. The system will filter and display matching results.
- Category filter buttons: Includes categories such as *All*, *Coffee*, *Tea & Milk*, *Bakery*, and *Snacks*. Selecting a category will update the product list accordingly.
- Product grid: Products are displayed in a card layout. Each card contains a product image, product name, short description, price, and a "+" button.

  - When clicking the "+" button, the product will be added directly to the cart or prepared for ordering.

Product Customization Section

This section appears on the Product Detail page and allows users to customize their order.

- Product image gallery: Displays the main product image and thumbnail previews.
- Size selection: Users can choose between *Small (S)*, *Medium (M)*, and *Large (L)*.
- Sugar level selection: Includes options such as *100%*, *70%*, *50%*, and *No sugar*.
- Quantity selector: Users can increase or decrease the quantity using "+" and "–" buttons.
- Add to cart button: Adds the customized product to the shopping cart.

Product Information Section

This section provides detailed information about the product.

- Product description: Explains ingredients, flavor profile, and preparation method.
- Nutritional information: Displays nutrition-related details for the selected product.
- This section helps users make informed decisions before completing their order.
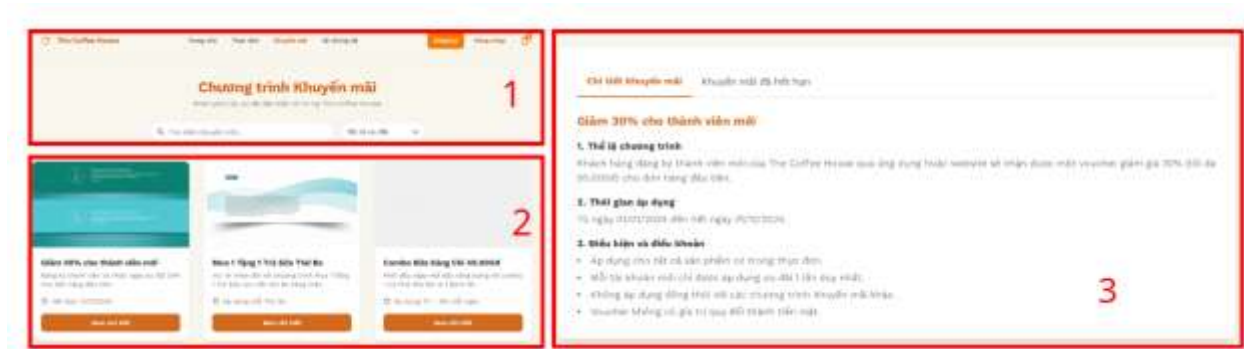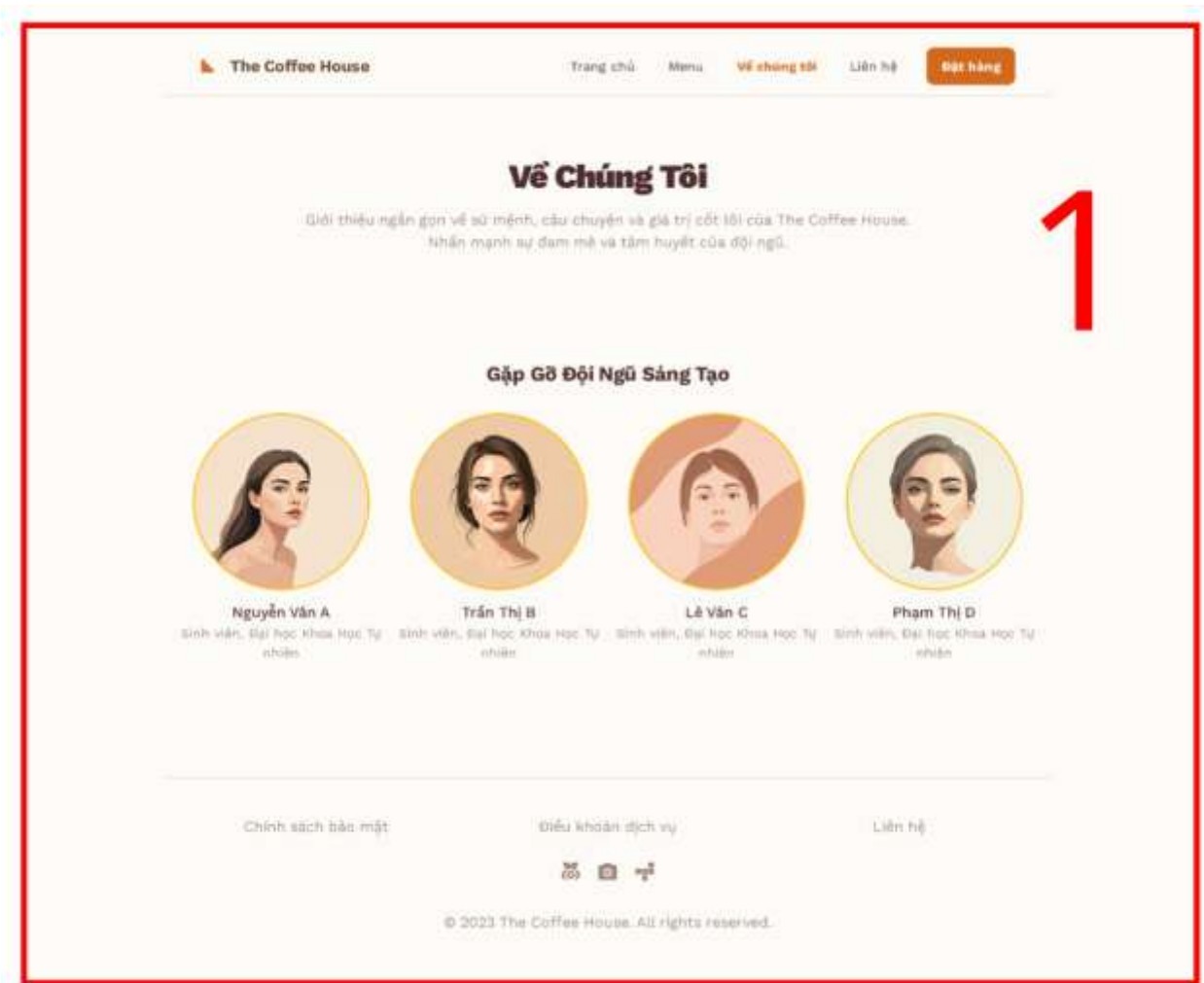
## 2.3 Promotion



Description:

The **Promotions page** is designed to help users conveniently access and understand available promotional programs.

- Users can search for promotions by entering keywords, allowing the system to filter and display relevant results.

- Promotional programs are presented in card format, including images, brief descriptions, and validity information.

- By selecting a promotion, users can view detailed information such as program rules, applicable period, and terms and conditions.

- This layout helps users quickly compare promotions and clearly understand the benefits before using them.

## 2.4 About Us

Description:

The About Us page introduces the brand identity and presents the team behind the website in a clean, easy-to-read layout.

- Top navigation bar: Displays the brand/logo on the left and menu items such as *Home*, *Menu*, Promotions, and *About Us*, along with a highlighted Order button for quick access to ordering.
- Page heading and introduction: The page title "About Us" is shown prominently, followed by a short paragraph describing the mission, story, and core values of The Coffee House.
- Team showcase: A "Meet the Creative Team" section presents team members using circular avatar cards. Each card includes an avatar image, the member's name, and a short role/description below.
- Footer area: Contains quick links such as privacy policy, service terms, and contact, as well as social icons and copyright information.

## 3.    Scenarios

### 3.1    User Scenarios

3.1.1    Sign up



Description:

**Step 1:** Users can choose **"Sign up with Google"** to create an account quickly using Google authentication.

**Step 2:** If users do not use Google, they can register manually by entering:

- **Email**

- **Password**

- **Confirm password**
  After completing the form, users click **"Sign up"** to submit the registration.

**Step 3:** If the user already has an account, they can click **"Sign in"** to switch to the login flow.

3.1.2    Sign in
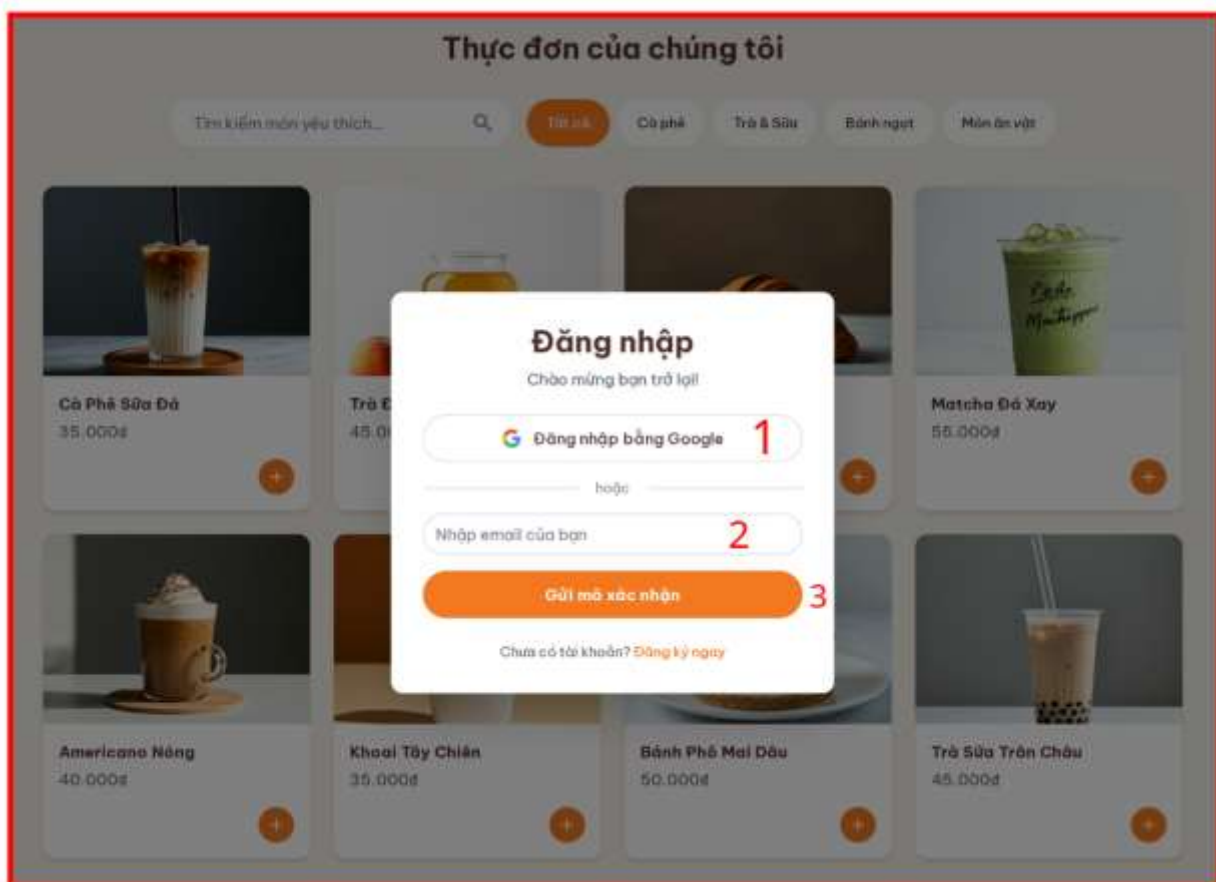


Description:

The **Login popup** allows users to quickly access their account without leaving the current page.

- Users can choose to **sign in with Google** for a faster authentication process.

- Alternatively, users can **enter their email address** to receive a verification code.

- The **"Send verification code"** button initiates the login process via email confirmation.

- A sign-up link is provided for new users who do not yet have an account.

### 3.1.3 Pay



Description:

Step 1 (Delivery Information): The user fills in shipping details including Full name, Phone number, Email (optional), and Detailed address to ensure the order can be completed correctly.

Step 2 (Delivery Method): The user selects the delivery option. In this screen, the available choice is Store pickup, allowing the user to pick up the order at the store.

Step 3 (Payment Method): The user chooses a payment method from the list, such as:

- Credit/Debit Card

- MoMo / ZaloPay

- Bank Transfer

- Credits
  The selected option determines how the payment will be processed.

Step 4 (Order Summary & Checkout): The right panel displays order items, quantities, subtotal, shipping fee, discount, and total amount. The user clicks "Complete order" to place the order and proceed to the confirmation step.

### 3.1.4    Edit account information
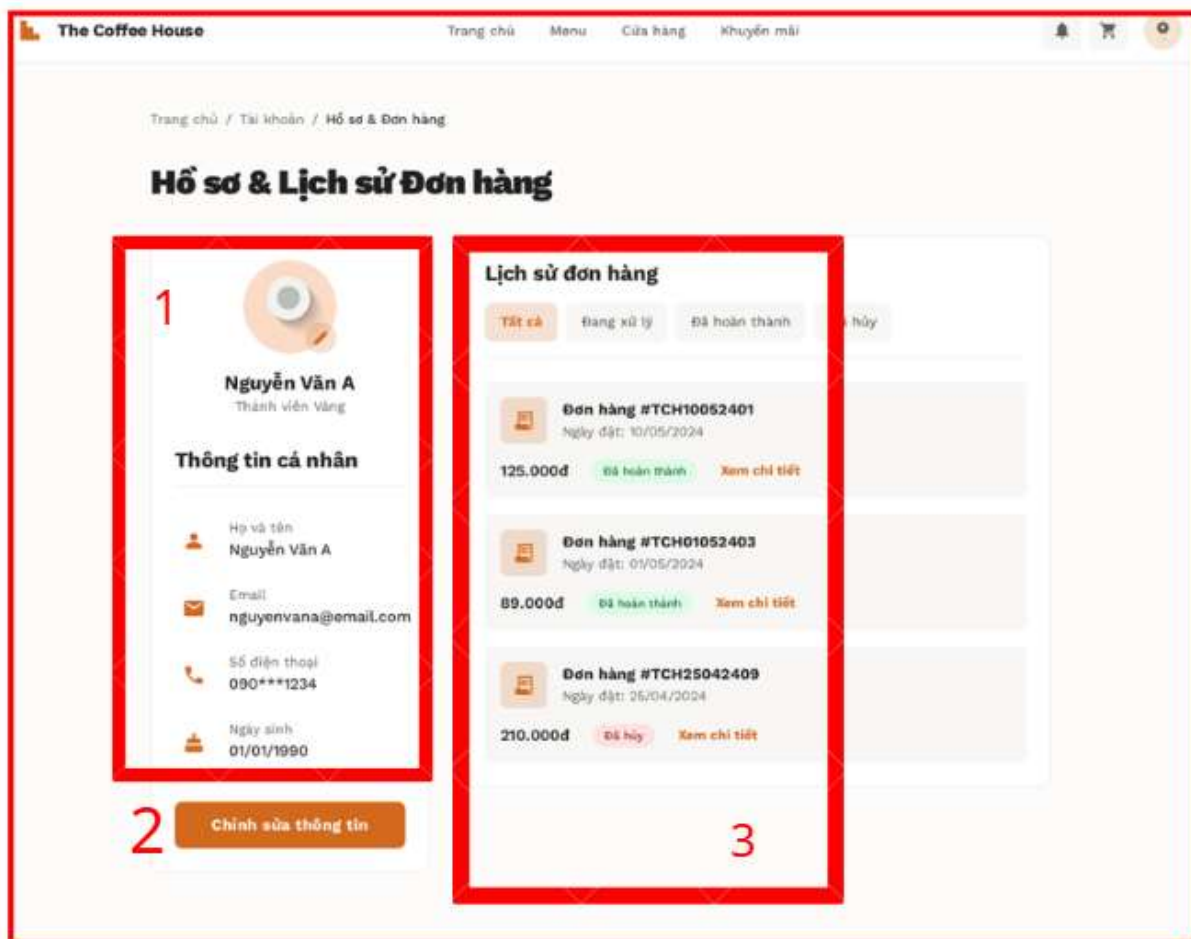
- Step 1 (Profile information): The left panel displays the user profile, including avatar, membership level, and personal details such as full name, email, phone number, and date of birth.
- Step 2 (Edit profile): The "Edit information" button allows the user to update their personal details. When clicked, the system opens the profile editing flow.
- Step 3 (Order history): The right panel shows the order history list with filter tabs (e.g., *All*, *Processing*, *Completed*, *Cancelled*). Each order card includes the order code, order date, total amount, and status, along with a "View details" action for opening the full order detail.

3.1.5 Add a new user (Administrator)



- Step 1 (User information & access setup): The admin fills in the required details to create a new account,

including full name, email, phone number, and selects a role (e.g., customer) to define permissions. The admin also sets the account password by entering password and confirm password.

● Step 2 (Save action): The admin clicks "Save information" to submit and create the new user account. A Cancel option is available to discard changes and return without saving.

3.1.6    Menu Management
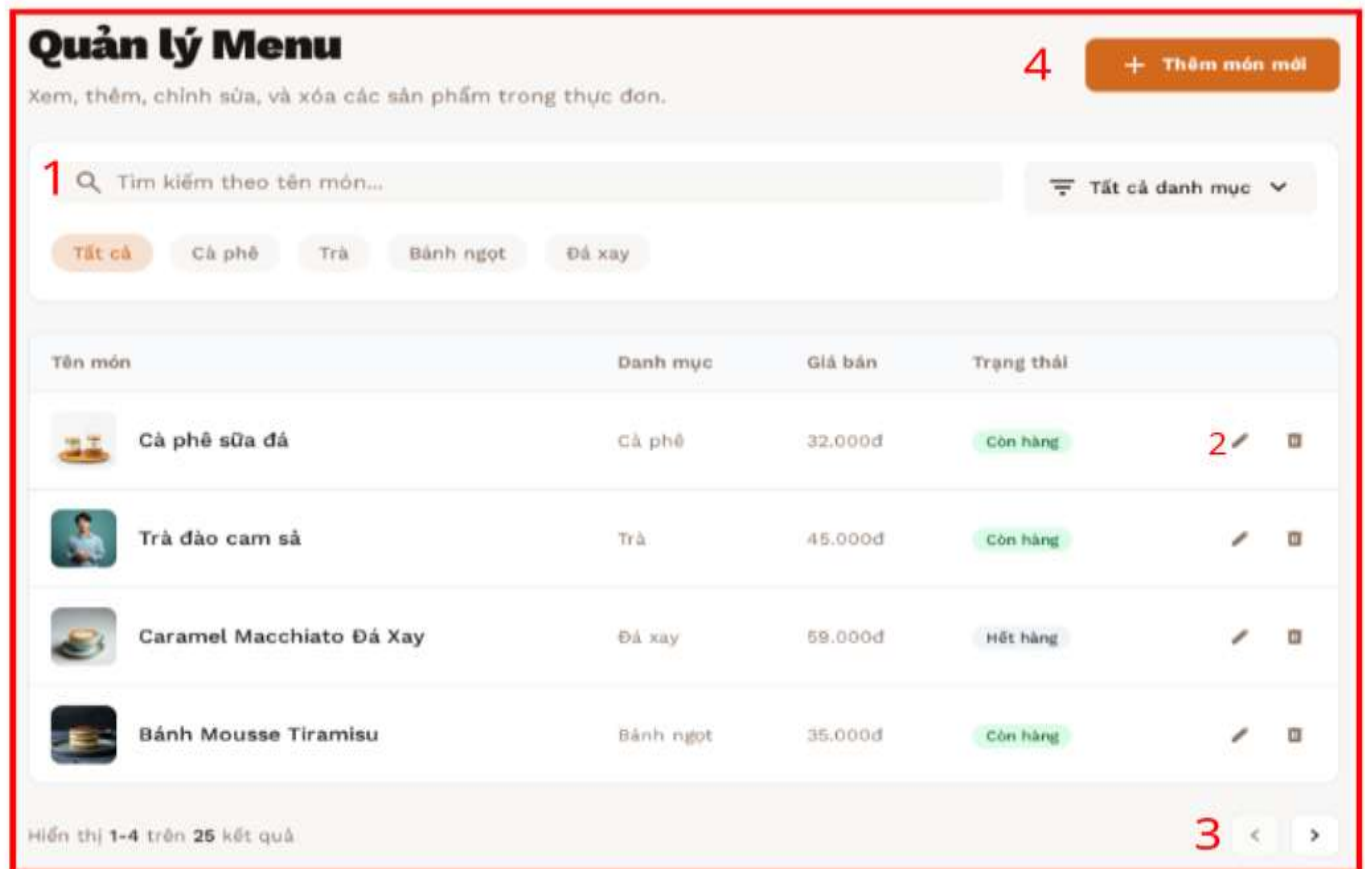


● Step 1 (Search & filter): The admin can search menu items by name using the search bar and filter items by category using tabs and the category dropdown.
● Step 2 (Edit/Delete actions): Each menu item row includes quick actions to edit item information or delete the item from the menu.
● Step 3 (Pagination): Pagination controls allow the admin to navigate between pages of results and view the full list of menu items.
● Step 4 (Add new item): The "Add new item" button opens the create-item flow to add a new product into the menu.

● User clicks "Nhóm của tôi" button to view user's team list

### 3.1.7 Add new drink



- Step 1 (Enter product details): The admin fills in the product information including item name, detailed description, price, category, and status (in stock / out of stock).
- Step 2 (Upload product image): The admin uploads a product image by selecting a file or dragging and dropping it into the upload area. Supported formats include PNG/JPG/GIF with a size limit.
- Step 3 (Save or cancel): The admin clicks "Save product" to create the new menu item. The Cancel button discards changes and returns to the previous screen.

### 3.1.8 Voucher Management
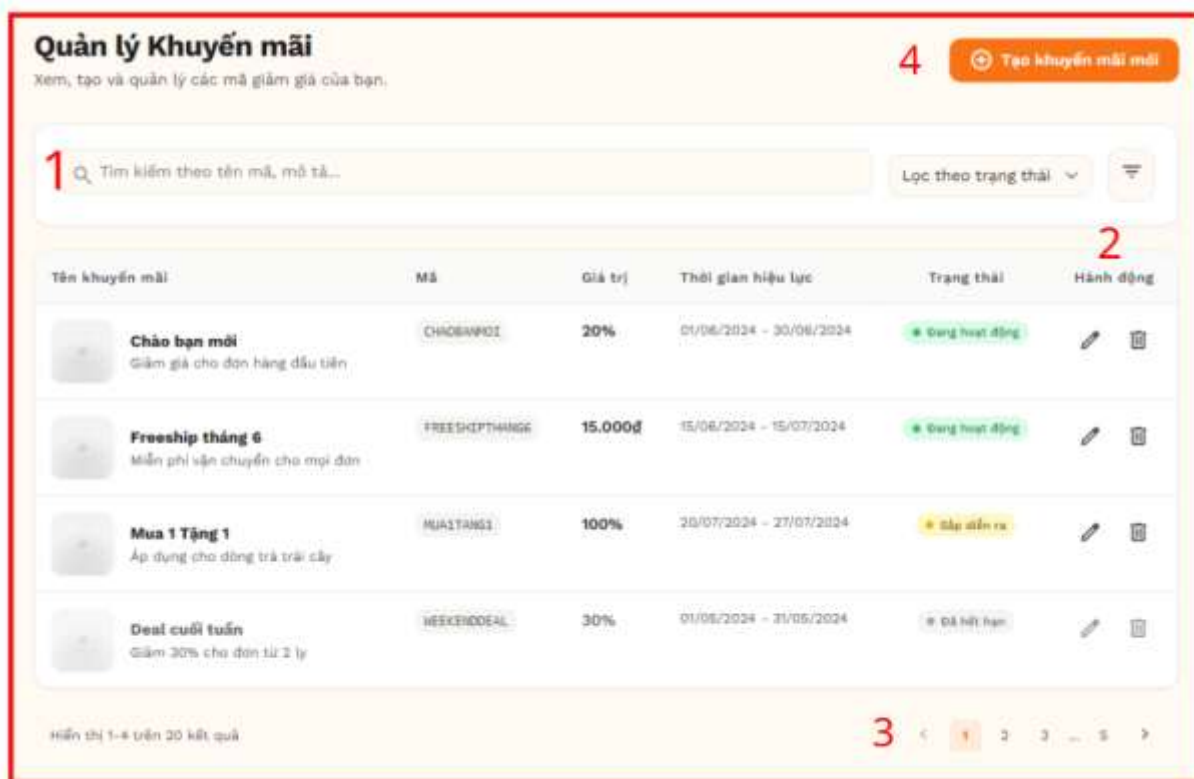
- Step 1 (Search & filter): The admin can search promotions by entering keywords such as promotion name, code, or description. A status filter dropdown is also provided to quickly filter promotions by their current state.

- Step 2 (Manage actions per promotion): The promotion list is displayed in a table showing key fields such as promotion name, code, value, valid period, and status. Each row includes quick actions to edit or delete a promotion.

- Step 3 (Pagination): Pagination controls are available at the bottom to navigate through multiple pages of promotion records and view all results.

- Step 4 (Create new promotion): The "Create new promotion" button starts the creation flow, allowing the admin to add a new discount program into the system.

### 3.2    Admin/Owner Scenarios

3.2.1    Customize promotions



- Step 1 (Enter promotion details): The admin fills in promotion information including promotion name, discount code, discount value (%), application conditions, valid period (start/end date), and an optional usage quantity (leave blank for unlimited).

- Step 2 (Upload illustration image): The admin uploads a promotional image by clicking the upload area. Supported formats include PNG/JPG/GIF with a size limit.

- Step 3 (Save or cancel): The admin clicks "Save" to create the promotion. The Cancel option discards changes and returns to the previous screen.

3.2.2   Sales statistics
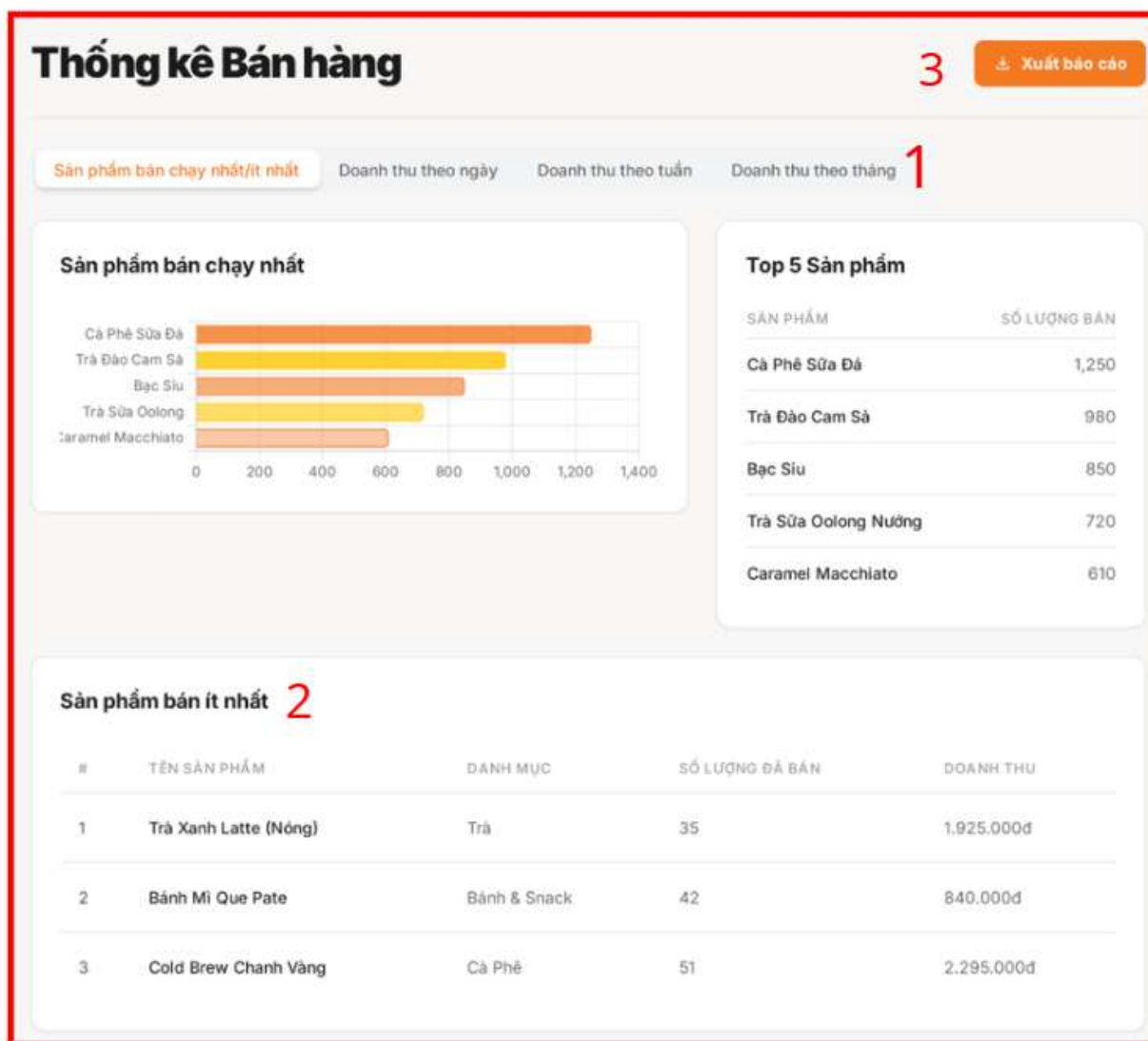


- Step 1 (Statistics tabs): The admin switches between report views using tabs such as Best/Worst-selling products, Revenue by day, Revenue by week, and Revenue by month. The selected tab determines which charts and tables are displayed.

- Step 2 (Charts & ranking tables): The dashboard visualizes performance using a bar chart for top-selling products, a Top 5 products list with quantities sold, and a table showing least-selling products including category, quantity sold, and revenue.

- Step 3 (Export report): The "Export report" button allows the admin to download the current statistics view as a report for record keeping and analysis.