**EXPERIMENT 2**

**REDESIGN CANTEEN MENU TO INCREASE THE EASE OF USE AND EASE OF FUNCTIONALITY (GRID AND MENU VIEWS)**

**AIM:**

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**PROCEDURE:**

**1. User Research & Personas**

* **Identify Users: Determine the target audience (e.g., students, staff, visitors).**
* **User Needs: Understand their needs (e.g., speed, dietary preferences).**

**2. Information Architecture**

* **Categorize Items: Group similar items together (e.g., Breakfast, Lunch, Beverages).**
* **Hierarchy: Prioritize frequently ordered or popular items at the top.**

**3. Grid View Design**

* **Visual Layout: Use a grid layout for visual clarity, with images and short item descriptions.**
* **Interactive Elements: Ensure large, tappable buttons for ease of selection.**
* **Accessibility: Use contrasting colors and readable fonts.**

**4. Menu View Design**

* **List Layout: Use a list format with clear categories and collapsible sections for quick navigation.**
* **Item Details: Provide descriptions, prices, and dietary info beneath each item name.**

**5. Prototyping & Testing**

* **Create Prototypes: Develop clickable prototypes for both grid and menu views.**
* **Usability Testing: Conduct testing with actual users to identify areas for improvement.**

**6. Iterate and Launch**

* **Refine: Make changes based on feedback and finalize the design.**
* **Deploy: Implement the new design and monitor user satisfaction.**

**Prototype Structure:**

1. **Home Screen:**
   * **Header: Includes the canteen name and a search bar for quick item search.**
   * **View Toggle Buttons: Positioned below the header, enabling users to switch between Grid and Menu views.**
   * **Categories: Prominently displayed options (e.g., Breakfast, Lunch, Snacks, Beverages) for easy navigation.**
2. **Grid View:**
   * **Layout: Shows item images in a 2x2 or 3x3 grid format with names and prices below each image.**
   * **Hover Effect (Desktop) / Tap Details (Mobile): On hover or tap, a brief description, nutrition details, and an "Add to Cart" button appear.**
   * **Quick Filters: A filter bar at the top allows users to filter by category, dietary restrictions, or meal type.**
3. **Menu (List) View:**
   * **Layout: Each item displayed in a row with a small image on the left, followed by the name, description, and price.**
   * **Details Button: A button to expand item details without changing screens.**
   * **Ordering Icons: Add buttons like "Add to Cart," "Favorite," and "Share" beside each item.**
4. **Cart Summary:**
   * **Slide-in Cart: A collapsible cart on the side (or bottom for mobile) allows users to review and modify their selections easily.**
   * **Checkout Button: Clearly visible at the bottom of the cart for quick checkout access.**
5. **User Interactions:**
   * **Favorites: Users can save favorite items, accessible from the main menu.**
   * **Previous Orders: Users can reorder from a "History" section.**





