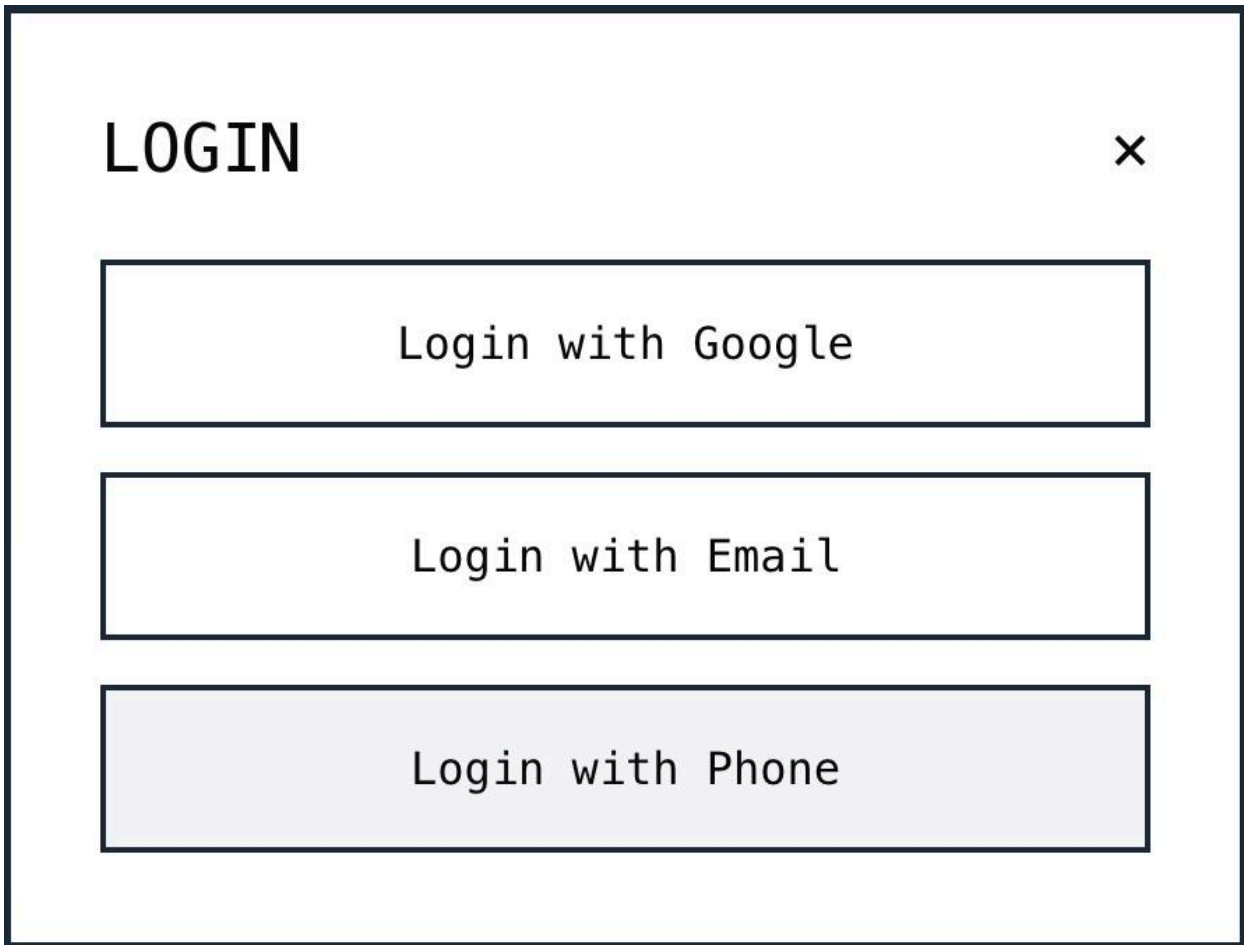
Wireframe


HOMEPAGE
Login
Your protein intake increased by 15%, and you saved 20% in calories last week
2200
1650
1100
550
0
Mon
Tue
Wed
Thu
Fri
Sat
Sun
Calories
Carbohydrates (g)
Fat (g)
Protein (g)
AI Generated Menu
Full Menu
Personal Settings
[FOOTER]
Preview


LOGIN
×
Login with Google
Login with Email
Login with Phone

LOGIN

×

← Back

Email

Enter your email

Password

Enter your password

Login

← Back

AI GENERATED MENU

[AI INTERACTION]

Chat with AI...

[SEND MESSAGE]

Eating Preference Questionnaire

[AI GENERATED RESULTS]

Choice 1 – Dining Center: ISR

Item Name A	XXX cal P: XXg | F: XXg | C: XXg
Item Name B	XXX cal P: XXg | F: XXg | C: XXg
Total:	XXX cal P: XXg | F: XXg | C: XXg

Choice 2 – Dining Center: Ike

Item Name A	XXX cal P: XXg | F: XXg | C: XXg
Item Name B	XXX cal P: XXg | F: XXg | C: XXg
Total:	XXX cal P: XXg | F: XXg | C: XXg

Choice 3 – Dining Center: PAR

Item Name A	XXX cal P: XXg | F: XXg | C: XXg
Item Name B	XXX cal P: XXg | F: XXg | C: XXg
Total:	XXX cal P: XXg | F: XXg | C: XXg

Make My Own

← Back

FULL MENU

[SEARCH DINING CENTER]

Search Dining Center...

[SEARCH]

ISR

Grilled Chicken Breast	XXX cal P: XXg | F: XXg | C: XXg
Caesar Salad	XXX cal P: XXg | F: XXg | C: XXg
Vegetable Stir Fry	XXX cal P: XXg | F: XXg | C: XXg
Beef Tacos	XXX cal P: XXg | F: XXg | C: XXg
Pasta Carbonara	XXX cal P: XXg | F: XXg | C: XXg
Salmon Fillet	XXX cal P: XXg | F: XXg | C: XXg
Quinoa Bowl	XXX cal P: XXg | F: XXg | C: XXg
Turkey Sandwich	XXX cal P: XXg | F: XXg | C: XXg
Greek Yogurt Parfait	XXX cal P: XXg | F: XXg | C: XXg
Pepperoni Pizza	XXX cal P: XXg | F: XXg | C: XXg

More

Forum

← Back

FORUM

[+ NEW POST]

Post Title 1

[AVATAR]

[Post preview text goes here. This would show the first few lines of the post content...]

[👤 Username] [💬 X Comments] [🕐 X hours ago]

Post Title 2

[AVATAR]

[Post preview text goes here. This would show the first few lines of the post content...]

[👤 Username] [💬 X Comments] [🕐 X hours ago]

Post Title 3

[AVATAR]

[Post preview text goes here. This would show the first few lines of the post content...]

[👤 Username] [💬 X Comments] [🕐 X hours ago]

Post Title 4

[AVATAR]

[Post preview text goes here. This would show the first few lines of the post content...]

[👤 Username] [💬 X Comments] [🕐 X hours ago]

Post Title 5

[AVATAR]

[Post preview text goes here. This would show the first few lines of the post content...]

[👤 Username] [💬 X Comments] [🕐 X hours ago]

← Back

PERSONAL SETTINGS

[PROFILE SECTION]

[PHOTO]

Username

[username]

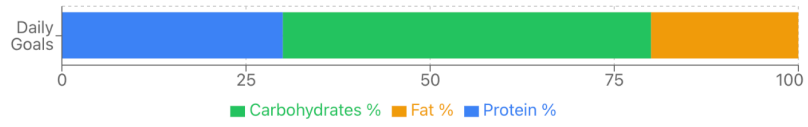
Email

[email@example.com]

Daily goal

Calories	XXXX cal/day
Protein	XXX g/day
Carbohydrates	XXX g/day
Fat	XXX g/day

Macronutrient Distribution (%)

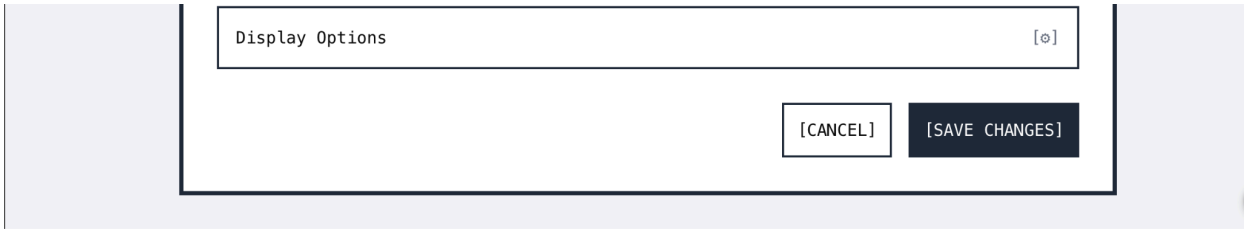


Account Settings

- Change Password [→]
- Privacy Settings [→]
- Notification Preferences [→]

Preferences

- Language [⚙]
- Theme [⚙]



Link to the interactive wireframe:
https://www.figma.com/make/U3chpq9UAh5NGFJQ8HgirM/Homepage-Wireframe-Design?t=HKQIUVvUACa6FIGt-1

Design Documentation

1. Overview

The wireframe design consists of four core pages, prioritizing a data-driven yet user-centric experience for nutritional tracking and meal planning. The layout focuses on reducing cognitive load while providing personalized AI assistance.

2. Design Principles & Justifications

Home Page: Navigation and Accessibility

- **Fitts's Law (Login Placement):** The "Login" button is prominently placed and sized at the top. This increases the target's accessibility, encouraging users to authenticate their accounts to unlock personalized data and AI features.
- **Gestalt Principles (Uniformity & Grouping):** The three primary function buttons are designed with identical dimensions. By applying the **Law of Similarity**, users intuitively perceive these as being of equal functional importance.
- **Progressive Disclosure:** A line chart tracks nutritional intake alongside AI insights, providing immediate feedback without overwhelming the user with raw data.

AI Generated Menu: Personalized Experience & Flexibility

- **User Mental Models:** The chat interface on the left and results on the right mimic industry-standard AI interactions (Jakob's Law), making the tool intuitive for new users.
- **Cognitive Load Reduction:** The "Eating Preference Questionnaire" filters out irrelevant cuisines, ensuring the AI only presents high-value, personalized options.
- **User Control and Freedom ("Make My Own" Button):** Located at the bottom right, this button provides an alternative for users who wish to customize their meals. This ensures that even when AI suggestions aren't followed, users can still log their intake, maintaining the **Continuity** of their data tracking. It serves as a flexible "shortcut" for experienced users or unique dietary situations.

Full Menu: Simplicity and Interaction

- **Hick's Law & Simplicity:** Instead of displaying an exhaustive list, the "Full Menu" uses a scrollable interface to limit choices visible at once, reducing decision fatigue.
- **Affordance & Feedback:** Detailed caloric and macronutrient info provides clear visual cues for health-conscious decision-making.

Personal Settings: Goal Management

- **Data Visualization:** A stacked bar chart is used for Macronutrient Distribution to clearly display "parts-of-a-whole" percentages, allowing for a quick mental scan of dietary balance.
- **Mapping & Consistency:** Clear "Save Changes" and "Cancel" buttons provide strong mapping for user intent, while the layout remains consistent with the overall site aesthetic.

3. Layout and Interaction Flow

The flow is designed to be cyclical and flexible: users assess progress on the **Home Page**, receive guidance via the **AI Menu**, or exercise autonomy through the **"Make My Own"** feature, ensuring the system adapts to the user's daily reality rather than forcing a rigid path.

AI / Tool Usage Disclosure

1. Generative AI Models

The following large language models (LLMs) were utilized as collaborative research and brainstorming partners during the conceptualization phase of this project:

- **ChatGPT (OpenAI)**
  - **Version:** GPT-4o / GPT-4
  - **Usage:** Used for initial brainstorming of user pain points, generating potential feature lists, and refining the logical structure of the eating preference questionnaire.
- **Gemini (Google)**
  - **Version:** Gemini 1.5 Pro / Flash (Web Version)
  - **Usage:** Used for cross-referencing UI/UX design principles (e.g., Gestalt Principles, Fitts's Law) and assisting in the professional polishing of the design documentation.

2. Design and Prototyping Tools

The visual representation and interaction flow of this project were developed using professional design software:

- **Figma**
    - **Usage:** Used to create low-fidelity wireframes, define the layout grid, and establish the visual hierarchy of the five core pages. All component layouts, spacing, and user flows were manually architected within the tool to ensure design consistency.