USER CENTRIC DESIGN

HABIT TRACKER APP

Deepali Rajput (U70271982)

Sai Sruthi Subraveti (U55568195)

Nandini Malviya (U83808765)

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1. Introduction

In this project, our team designed a habit tracker application with the aim of helping users build and maintain healthy habits. The design process involved transitioning from low-fidelity wireframes to high-fidelity prototypes to ensure a user-friendly experience. Our approach was guided by user-centric design principles, focusing on both the visual aesthetics and functionality of the app.

2. Low-Fidelity Wireframes

Our low-fidelity wireframes prioritized the structure and basic functionality of the habit tracker app without focusing on visual details by adding the essential features:

- The ability to track habits over multiple days.
- A feature to add and remove habits.
- A dashboard overview to visualize progress.

These are the key screens we have included in our low-fidelity wireframe:

- **Welcome Screen:** Simple call to action to get started.
- **Login/Register:** Login for existing users, register for new ones.
- **Habit Dashboard:** A clean layout to track daily habits, with circular progress elements and placeholders for each habit.
- **New Habit Creation:** A screen to add new habits with checkboxes for different categories such as health, sports, and lifestyle.

Low Fidelity wireframe

3. High-Fidelity Prototype

Our high-fidelity prototype enhances user experience by refining visual and interaction elements from the low-fidelity design:

- **Visual Aesthetics:** We opted for a minimalist design using soft pastel colors, clear icons, and typography to create a calming and motivating user interface.
- **Interactive Elements:** Buttons, sliders, and checkboxes were added to allow users to interact with the app, whether they are adding habits or tracking their progress.
- **Consistency:** We ensured that color schemes, fonts, and icons were consistent across all screens to provide a smooth visual experience for the user.

High-fidelity wireframe

4. Transition from Low-Fidelity to High-Fidelity

The transition from low-fidelity to high-fidelity allowed us to effectively address usability challenges identified during the wireframing phase. While the initial wireframes focused on structure, the high-fidelity design refined the user flow to enhance overall user experience and engagement through these improvements:

- **Detailed Interaction Elements:** Added buttons, checkboxes, hover states and visual feedback to make the app more responsive.
- **Visibility of Key Features:** Improved the layout to make habit tracking stats more prominent and accessible, and ensured users could easily add or remove habits.
- **Refined Visual Design:** Enhanced the color scheme and iconography, creating a more approachable, less cluttered interface.

5. Influence of User-Centric Design Principles on Decisions

User-centric design principles significantly influenced our decisions throughout the development process:

- **Empathy:** We prioritized user needs, designing features to tackle common challenges like effective habit tracking and motivation.
- **Usability Testing:** Early user feedback informed our design, prompting us to simplify navigation and enhance key features for accessibility.
- **Iterative Design:** Continuous feedback allowed us to refine the app's layout and button placement, improving overall usability.
- **Accessibility Considerations:** We incorporated audio cues and visual alerts to support users with disabilities, fostering an inclusive environment.
- **Engagement Strategies:** Gamification elements, like habit streak tracking and completion animations, were added to motivate and engage users.

6. How the high-fidelity design improves upon the low-fidelity version

- **Visual Appeal:** The high-fidelity version features a calming color palette and consistent typography, enhancing the app's visual appeal and motivating users.
- **Detailed Interaction Elements:** Interactive elements - images, icons, buttons, and input fields were refined with hover effects and for enhanced user experience.
- **Improved User Flow:** Navigation is smoother with clear, clickable buttons and icons, enabling seamless movement between adding habits, tracking progress, and checking stats.

- **Enhanced Usability:** Optimized button placement, improved font readability, and accessibility considerations ensure usability for all users.
- **Engagement Features:** New engagement mechanisms, such as habit streak tracking and habit completion animations, were added to motivate users and encourage long-term habit formation.