



Al-Borg Laboratories App UI/UX Redesign

Project Analysis

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Project Overview

Al-Borg Laboratories is one of the leading medical laboratory chains, providing high-quality diagnostic and medical testing services .The Al-Borg mobile application was developed to help patients view test results, check test prices, and book home sampling services.

The goal of this project is to redesign the existing application from a UI/UX design perspective to enhance the overall user experience. The current application suffers from outdated design, unclear interfaces, and difficult navigation. This project focuses on applying User Interface (**UI**) and User Experience (**UX**) principles to create a modern, simple, and user-friendly design that enables users to access services more efficiently.

Challenges

Problem :

The problem is that the app is outdated and unclear to the user, making it difficult to navigate. The repetition of actions due to the presence of icons and the navbar perform the same function creates confusion, making it hard for the user to determine where to go.

- **The app does not have a modern UI .**
- **interface is not clear, making it difficult for users to navigate.**
- **icons and the navbar perform the same function**

Solution :

The proposed solutions aim to update the app with modern ui, simplify the design, and improve navigation for better usability. By eliminating redundant actions and icons ,these changes will enhance the user experience and satisfaction .

- ✓ **Redesign the app's interface with a focus on simplicity and clarity.**
- ✓ **keep the app current and aligned with user expectations.**
- ✓ **Reorganize the navigation structure to make it more intuitive**

UI Design

Design Process :



Empathize



Define



Ideate



Design



Test

The Typography and Colors :

Montserrat
Light Regular Medium
Semibold Bold

#76c5ea

#217bbe

Screens :

7 screen

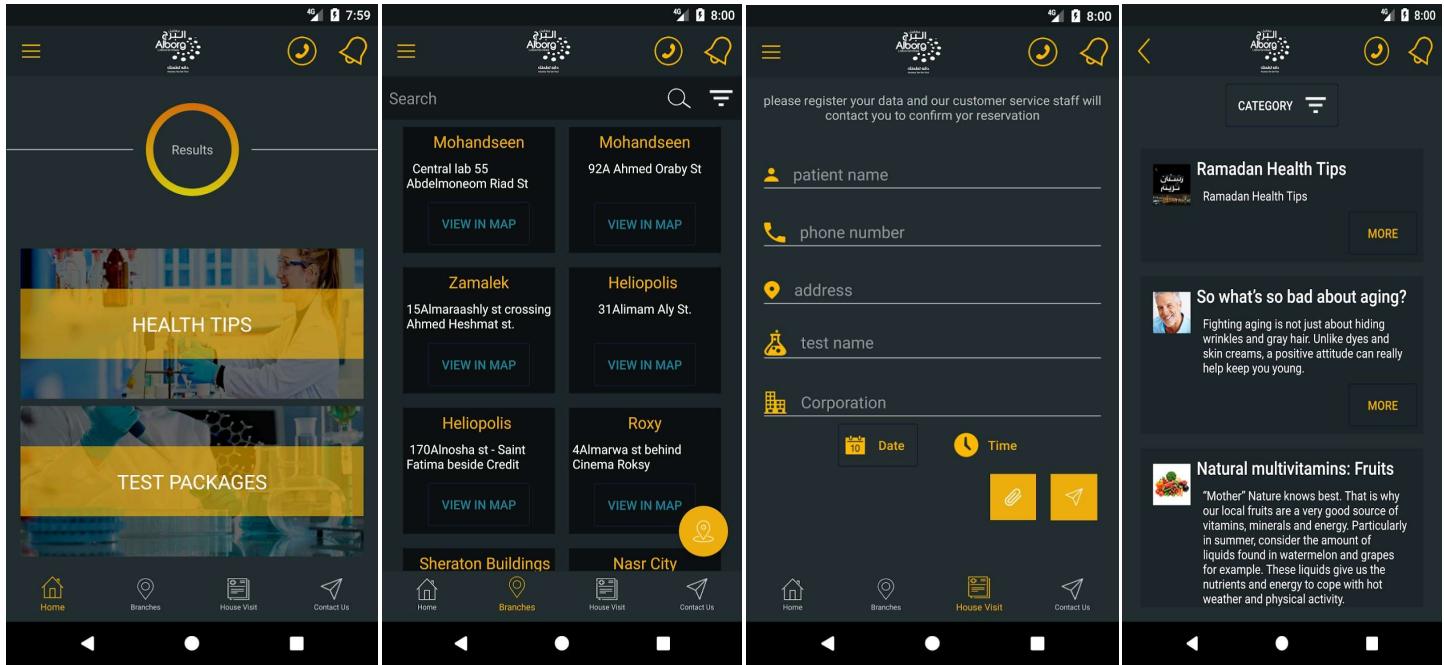


Tools :

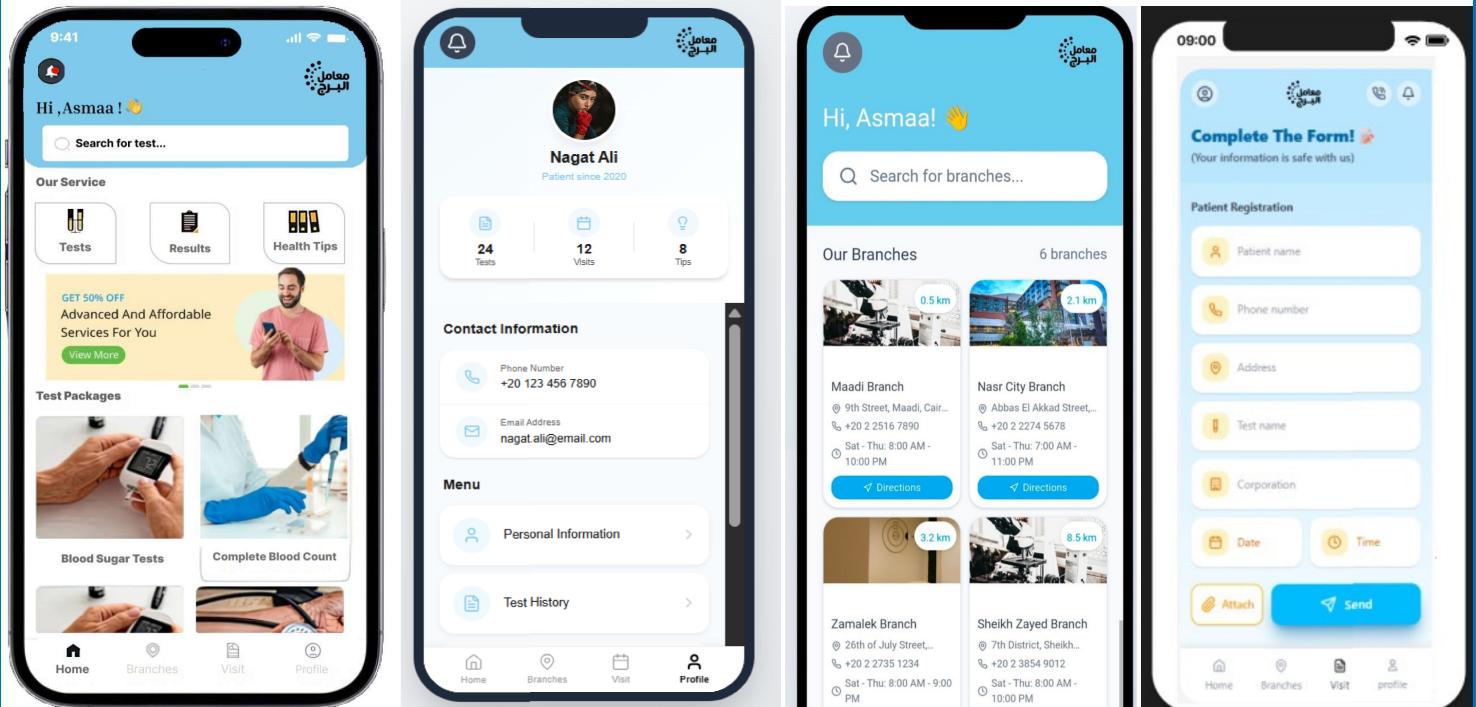
 **Figma**

 **Codia.AI**

Old Design



New Design



Home page

UI Issues:

- The icons and CTAs are not visually prominent.
- Dark color scheme makes the interface heavy and less eye-friendly.
- Lack of clear visual hierarchy between sections.
- Call-to-action buttons are not distinguishable from other elements.

Bottom navigation is not visually aligned with the overall design.

UX Issues:

- No search functionality, making it difficult for users to find services quickly.
- Services are not clearly categorized.
- Users need multiple steps to reach their desired service.
- No clear element encourages users to take immediate action.
- The experience feels outdated and not aligned with modern medical apps.

UI Solutions:

- ✓ Improved visual prominence of icons and CTAs using clear contrast and size.
- ✓ Clean and modern color palette (blue tones) suitable for a medical application.
- ✓ Clear visual hierarchy with well-structured sections.
- ✓ Action buttons are clearly distinguishable and easy to identify.
- ✓ Consistent and clear bottom navigation that matches the overall design language.

UX Solutions:

- ✓ Added a search bar to help users quickly find tests and services.
- ✓ Clear categorization of services (Tests, Results, Health Tips).
- ✓ Reduced user effort by displaying key services directly on the home screen.
- ✓ Added a promotional CTA section to encourage user interaction.
- ✓ Improved navigation flow for faster and smoother user experience.

Branches Screen

UI Issues:

- Visual Identity: The use of a dark theme (black and yellow) does not reflect the trust and cleanliness required in medical applications.
- Poor Contrast: The "View in Map" text is extremely small and faint, making it clearly invisible amidst other data.
- Visual Hierarchy: There is a lack of distinction between headings and sub-information, making the process of scanning the screen difficult for the eye.

UX Isuues:

- Clickability: The "View in Map" option was merely small text; the touch target area was too narrow, leading to frequent clicking errors (Fat Finger Error).
- Lack of Contextual Information: There was no data indicating the "distance" between the user and the branch, forcing users to read full addresses or manually open the map to find the nearest location.
- Layout: Relying on a cramped traditional List View made information absorption slower compared to a card-based system.

UI Solutions:

- ✓ Adopting a Medical Visual Identity: Transitioned to a clean white background with shades of blue, reflecting hygiene, trust, and professionalism suitable for the healthcare sector.
- ✓ Card-based Design System: Each branch is now contained within a dedicated "Card" that includes a real image of the facility. This organizes information aesthetically and makes it easily scannable.
- ✓ Enhanced Visual Hierarchy: Branch names are highlighted in bold, with secondary information (address and distance) formatted in smaller fonts to guide the user's eye to the most important data first.

Ux Solutions:

- ✓ Directions CTA Development: Replaced the tiny "View in Map" text with a prominent blue button labeled "Directions" alongside a directional icon. This significantly increased the *Hit Target* area and made the intended action clear and immediate.
- ✓ Distance Logic Integration: Integrated a live distance indicator (e.g., 0.5km) on each card. This drastically reduces the user's search time and helps them make a quick decision on the nearest branch.
- ✓ Visual Recognition: Utilizing real images of branches helps users recognize the location before arrival, reducing anxiety or confusion when navigating.

Visit Request Screen

UI Issues:

- Lack of Identity (Dark & Gloomy UI): The black background created a sense of confinement and mystery, which is uncomfortable for patients or health app users.
- Field Style: Input fields were designed as closely-packed underlined (dotted) lines, making the interface look cluttered and visually unorganized.
- Icon Misalignment: Icons next to fields lacked a structural framework, appearing "floating" and

functionally disconnected from the input block.

► Readability: The light yellow font on a black background caused eye strain and made it difficult for users to read the data they entered.

UX Issues:

► Cognitive Load: The proximity of fields and the lack of clear start/end points forced users to exert double the mental effort to complete the form.

► Buried Actions: Buttons for Date, Time, and File Attachment were too small and clustered at the bottom without visual distinction, hindering task completion speed.

► Primary CTA Issue: The "Send" button appeared as a small, unclear icon amidst other icons, lacking the prominence required for a primary action that concludes the process.

► Accessibility: The small size of functional buttons at the bottom made them require high precision to access, which is challenging during movement or for users with motor control difficulties.

UI Solutions:

✓ Framed Input Fields: Converted the outdated dotted lines into defined input boxes with comfortable internal padding. This gives the form a modern, organized, and structured appearance.

✓ Structured Iconography: Icons are now placed consistently within the fields, making them feel like an integrated part of the input tool rather than floating, disconnected elements.

✓ Enhanced Readability & Contrast: Used dark text on a light background to maximize the contrast ratio, making it much easier for users to read and verify the data they enter.

UX Solutions:

✓ Reducing Cognitive Load: By increasing white space between fields, the form appears shorter and less overwhelming, which lowers the "churn rate" (users leaving the form before completion).

✓ Action Area Redesign: Functional buttons (Attach, Date, Time) were enlarged and separated. This thumb-friendly design makes interaction easier and prevents accidental clicks on overlapping buttons.

✓ Primary CTA Optimization: * Transformed the "Send" action into a wide, high-contrast button with clear labeling. It is now the primary visual anchor, signaling the final step of the process.

✓ Error Prevention: The clarity in field design and intuitive icons reduces the likelihood of entering data into the wrong fields, thereby improving the quality of the submitted data.

Profile Screen

This page was added to serve as the user's 'Personal Hub' within the application, providing a centralized location to access and manage all medical information and data with ease.

Centralized Information Hub: Provides a unified dashboard to manage personal contact details, making the profile more organized and professional.

Integrated Appointment Management: A one-stop shop to book, view, and manage medical appointments, significantly reducing user confusion.

Medical Record Visualizer: Features a summary of total tests taken and a detailed "Test History" with dates for easy medical tracking.

Intuitive Navigation: Uses a clear icon-based menu (Settings, Recommended Tests, Test History) for rapid access to core functions.

New Features

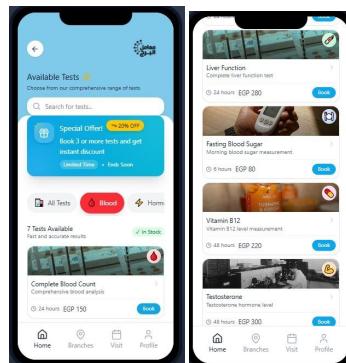
Results Page

The original application did not include a dedicated results page, which made it difficult for users to clearly understand their medical test results. The Results Page was added to display test information in a clear and organized way. It helps users quickly understand their results through summaries, normal range indicators, and simple explanations, making the experience easier and more user-friendly.



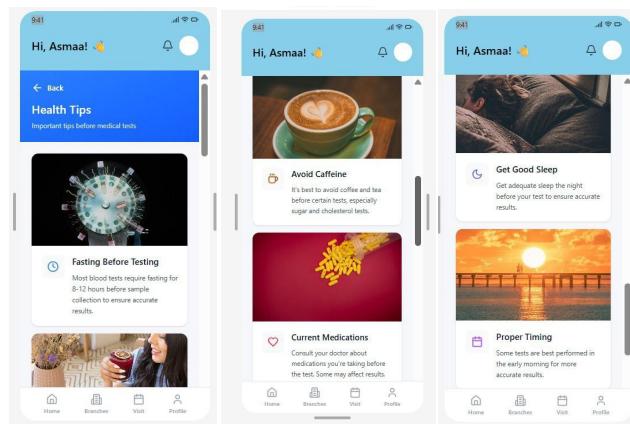
Tests Page

The Tests Page was designed to help users view and track all their medical tests in one place. It allows users to easily check test status and history, reducing confusion and improving overall usability.



Health Tips Page

The Health Tips Page was added to provide users with helpful health information. It supports users in maintaining a healthy lifestyle and increases engagement by offering value beyond test results.



Conclusion

This UI/UX redesign project for the Al-Borg Laboratories mobile application successfully transformed the app into a modern, user-centered medical platform. By addressing critical usability and visual design issues, the redesigned interface enhances clarity, accessibility, and efficiency. The introduction of clear visual hierarchy, prominent CTAs, service categorization, and intuitive navigation significantly reduces user effort and cognitive load. Overall, the redesign aligns the application with modern healthcare design standards, improves user satisfaction, and supports users in completing their medical tasks quickly, confidently, and comfortably.

