



COLLEGE OF ENGINEERING

Department of Software Eng.

Software Components design(SCD)

Project Title: HealthHub Website Using Figma

Section: D

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Project Overview

HealthHub is a user-friendly healthcare platform that connects individuals with healthcare providers. The platform simplifies finding doctors, booking appointments, and accessing health-related content, ensuring a seamless experience for managing healthcare needs.

Scope

HealthHub includes the following key pages:

- **Home Page:** Introduction to the platform and quick access to services.
- **Doctors Page:** Search and filter to find healthcare professionals.
- **Doctor Detail Page:** Detailed doctor profiles with availability.
- **Appointment Page:** Step-by-step appointment booking.
- **Blog Page:** Health-related articles and tips.
- **About Us Page:** Platform mission, vision, and team information.

The focus is on intuitive navigation, responsive design, and accessibility across all devices.

Tools Used

- ❖ **Design Tool:** *Figma* for high-fidelity design, and prototyping.
- ❖ **Framework:** Responsive web design principles and grid systems to ensure cross-device compatibility.

2. Design Goals

- **Ease of Use:** Simple navigation for all users.
- **Responsive Layout:** Consistent experience on desktop, tablet, and mobile.
- **Efficiency:** Streamlined doctor search and appointment booking.
- **Educational Content:** Access to health blogs and resources.
- **Modern Aesthetic:** Clean design with a focus on usability and accessibility.

3. Website Pages

3.1 Home Page

- **Header:** Logo, navigation menu, and call-to-action buttons.
- **Hero Section:** Introduction to the platform with a prominent CTA.
- **Search Section:** Search for doctors by specialty, location, or availability.
- **Features:** Highlights services like doctor search and appointment booking.

- **Testimonials:** User reviews for credibility.
- **Footer:** Contact details, quick links, and social media.

3.2 Doctors Page

- **Search and Filters:** Find doctors by name, specialty, and location.
- **Doctor Cards:** Display profile picture, name, specialty, location, and booking CTA.

3.3 Doctor Detail Page

- **Doctor Profile:** Bio, qualifications, specialty, and experience.
- **Schedule:** Availability calendar for booking.
- **Reviews:** Patient feedback.
- **CTA:** "Book Appointment."

3.4 Appointment Page

- **Form:** Patient details, date, time, and reason for visit.
- **Confirmation:** Summary before confirming the booking.

3.5 Blog Page

- **Blog Cards:** Thumbnails, titles, and short descriptions.
- **Read More:** Access full blog articles.

3.6 About Us Page

- **Mission and Vision:** Platform goals and values.
- **Team Section:** Introduction to the team.
- **Why Choose Us:** Key benefits of HealthHub.

4. Software Component Designed

HealthHub's website architecture is designed with modularity and reusability in mind. Below is the breakdown of the components:

4.1 Component Overview

Component	Description
1. Header Component	Reusable component for navigation across all pages.
2. Search Component	Handles search and filtering logic for doctors.
3. Doctor Card Component	Displays summarized doctor information dynamically.
4. Doctor Detail Component	Displays individual doctor details, including schedule and reviews.
5. Form Component	Appointment form with input validation.
6. Blog Card Component	Reusable blog thumbnail for listing blog articles.
7. Footer Component	Unified footer design across all pages.

4.2 Component Interaction

- **Home Page** integrates **Hero**, **Search**, **Doctor Card**, and **Footer** components.
- **Doctors Page** fetches and displays **Doctor Card** components dynamically.
- **Doctor Detail Page** combines **Doctor Detail** and **Form** components for booking functionality.
- **Blog Page** dynamically loads **Blog Card** components.

4.3 Key Functional Components

1. **Search & Filter**
 - Component for handling user input and filtering doctors.
 - Ensures efficient querying and displays filtered results dynamically.
2. **Form Validation**
 - Input fields are validated using required rules (e.g., date, text, etc.).
 - Prevents incomplete or incorrect form submissions.
3. **Reusable Layout Components**
 - Header and Footer components are consistent across all pages.
 - Grids ensure alignment for content across responsive breakpoints.

6. User Flow

1. Home Page → Find Doctors → Doctor Detail → Book Appointment → Confirmation
2. Home Page → Blog Page → Read Blog
3. Home Page → About Us Page → Learn About HealthHub

7. Prototype

- **Design Tool:** Figma
- **Prototype Link:** [Figma-link](#)
- **Interactions:**
 - Navigation links and buttons are interactive.
 - The appointment booking flow is fully clickable.

8. Conclusion

HealthHub is a responsive, user-centric healthcare platform that simplifies access to essential healthcare services. With a clean design, reusable software components, and intuitive functionality, it ensures a seamless user experience across all devices.

By leveraging modular software component design, HealthHub promotes scalability and maintainability. Each component is designed to be independent yet seamlessly integrated, enabling future enhancements such as telemedicine integration, user dashboards, and AI-based search personalization. This approach ensures the platform can adapt to evolving user needs while maintaining high performance and usability.