MediTrack: Smart Medication Management System

Week 2 Progress Report

Project Information

Project Name: MediTrack - Smart Medication Management System

Team Members: Shahriar Kabir Omi, Sadaf Islam Mim

Institution: Eastern University

Course: Software Engineering Lab

Week: 2 of 16

Report Date: 20 July 2025

Week 2 Objectives

Following the completion of the basic login and registration pages, the primary objective for Week 2 was to design and develop the main landing page of the application using advanced HTML and CSS.

Key Goals:

- Design a modern, professional layout for the landing page
- Develop a complete `index.html` file with all major sections
- Implement advanced CSS for styling, including animations, gradients, and responsive design

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Completed Tasks

1. Landing Page Development (`index.html`)

Layout & Design: Created a comprehensive full-page layout including:

- Hero section with compelling messaging
- Features section highlighting key functionality
- Customer testimonials section
- Call-to-action (CTA) section for user engagement

HTML Structure: Developed complete semantic HTML for the landing page, ensuring the code is well-structured, accessible, and maintainable.

Advanced Styling Implementation: Applied custom CSS design featuring:

- CSS variables for consistent color palette management

- Subtle animations and interactive hover effects for enhanced user experience

- Modern design techniques including gradients and glassmorphism effects

- Fully responsive design optimized for all device types

Current Project Status

The project's frontend architecture now consists of three fully styled and responsive pages: the landing page, login page, and registration page. The design language is unified across all pages and ready for the next development phase.

✅ What's Working:

- The new landing page (`index.html`) displays correctly across all devices with full responsiveness

- Visual design is clean, modern, and maintains professional standards

- Login and registration pages from Week 1 remain fully functional and aesthetically complement the new landing page design

🔄 Pending Implementation (Future Weeks):

- Form submission handling for login and registration functionality

- User authentication logic and security implementation

- Database integration and data storage systems

- Client-side and server-side form validation

- Complete user registration workflow

- Backend API development

Team Contributions

Shahriar Kabir Omi:

- Led the development of the complete `index.html` file structure

- Designed and implemented the hero section and overall page layout

- Developed the majority of advanced CSS styling, including animations and visual effects

- **Time Invested:** 6.5 hours

Sadaf Islam Mim:

- Provided valuable input on design concepts and user experience considerations

- Contributed to the design review and quality assurance process
- Assisted with styling refinements and minor HTML structural adjustments
- **Time Invested:** 1.5 hours

Total Project Hours This Week: 8 hours
Cumulative Project Hours: 16 hours

Project Timeline & Progress

The project remains on schedule with all Week 2 milestones successfully achieved. The foundational frontend development is now complete, positioning the team to transition into implementing core functionality and backend systems.

Weekly Progress Tracker:

- ☑ **Week 1:** Complete - Basic login and registration pages created
- ☑ **Week 2:** Complete - Landing page HTML and CSS implementation finished

Overall Project Progress: 12.5% (2/16 weeks completed)

Upcoming Milestones:

- **Week 3-4:** Backend setup and database design
- **Week 5-6:** User authentication implementation
- **Week 7-8:** Core medication management features

Technical Achievements

This week's development significantly enhanced the project's visual appeal and user experience foundation. Key technical accomplishments include:

- Implementation of modern CSS techniques for professional aesthetic
- Creation of responsive design patterns ensuring cross-device compatibility
- Development of reusable CSS components and variables for maintainable code
- Integration of interactive elements to improve user engagement

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Conclusion

Week 2 objectives were successfully accomplished, delivering a substantial visual and structural upgrade to the MediTrack system. The application now features a professional and engaging public-facing

interface, completing the initial frontend development phase.

The team has established a solid foundation for the medication management system and is well-positioned to begin backend integration and core functionality implementation in the upcoming development cycles. The project maintains its trajectory toward delivering a comprehensive smart medication management solution.

Report Prepared By: Shahriar Kabir Omi & Sadaf Islam Mim
Date: 20 July 2025
Next Review: 27 July 2025