

Weekly Report: Web Application for Projects/ Products Developed by SPL Lab Team

Weekly Report: 20.01.2025 - 25.01.2025

Tasks Completed:

1. UI/UX Design:

- **Wireframes/Mockups:**
 - Developed wireframes for all major screens in the application, ensuring that they align with the project requirements and enhance usability.
 - Mockups showcase a clean layout, intuitive navigation, and adherence to user-centered design principles.
 - The wireframes were reviewed and approved by the team for further development.
- **Style Guide:**
 - Defined a comprehensive style guide that includes:
 - **Color Palette:** A harmonious blend of primary and secondary colors for a professional appearance.
 - **Typography:** Fonts selected for readability and aesthetics (e.g., headings use **Poppins** while body text uses **Open Sans**).
 - **Layouts:** Standardized grid systems for consistent alignment across screens.
- **Usability:**
 - Focused on maintaining consistency and simplicity to improve user interaction.
 - Included accessibility considerations, such as contrast ratios and scalable font sizes.

2. Frontend Framework Setup:

- Chose **React.js** as the frontend framework for its component-based architecture, scalability, and community support.
- Initial setup included:
 - File structure organization into components, pages, and assets directories.
 - Installation of key dependencies such as **Next Router**, **Tailwind CSS**, and state management tools like **Redux**.
 - Basic boilerplate for the application with routing and sample components added to the repository.

Outcomes:

- A well-documented and user-friendly design system is now in place.

- The frontend structure serves as a foundation for future development, ensuring code reusability and scalability.

Evaluation:

- The deliverables for the week were met successfully with a focus on usability and consistency.
- The designs and frontend structure have been shared in the Git repository for team review and feedback.