

# BLU LABS WEBSITE DOCUMENTATION

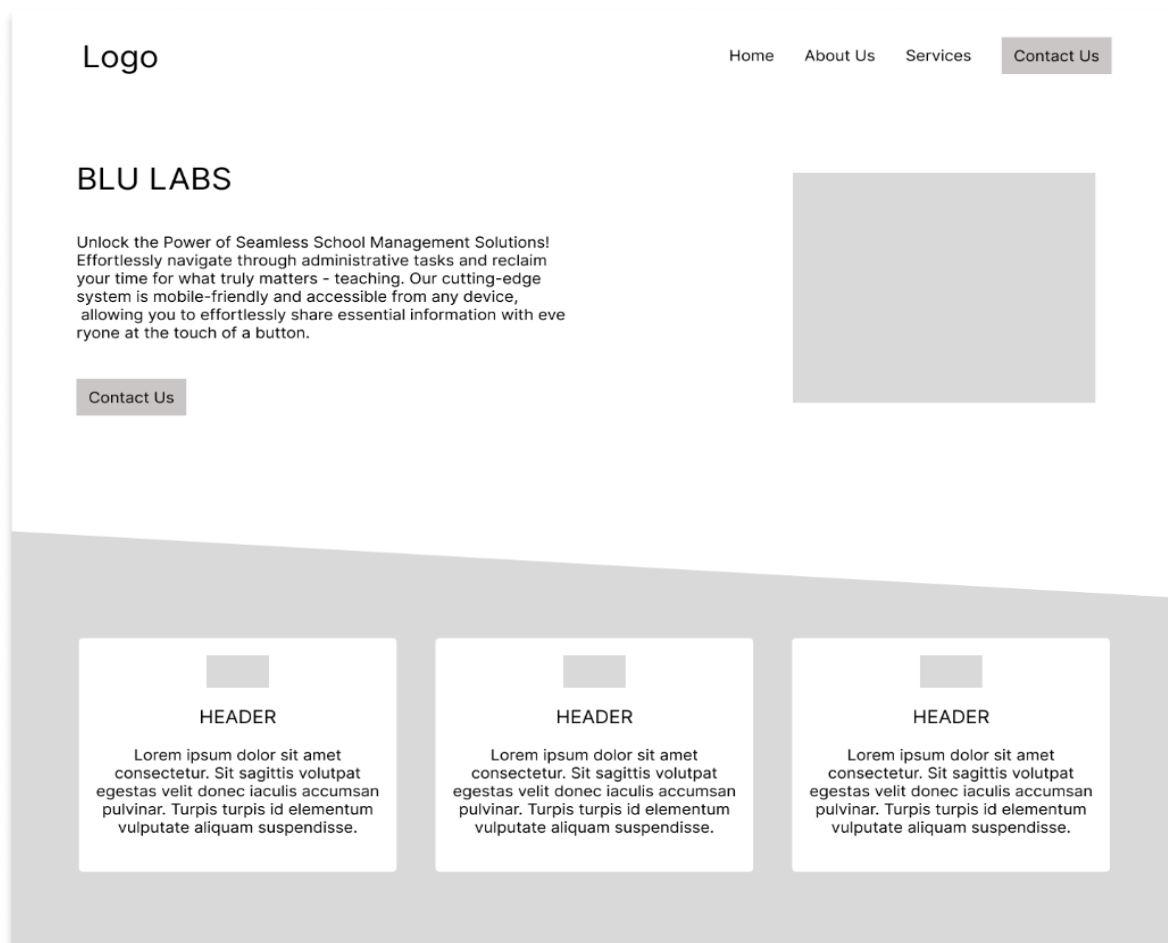
## 1. Development Approach:

a. Requirement Gathering: The development process began with gathering requirements for the website, including the key sections: Home, About Us, Contact Us, and Services. Understanding the purpose, target audience, and goals of the website was crucial.

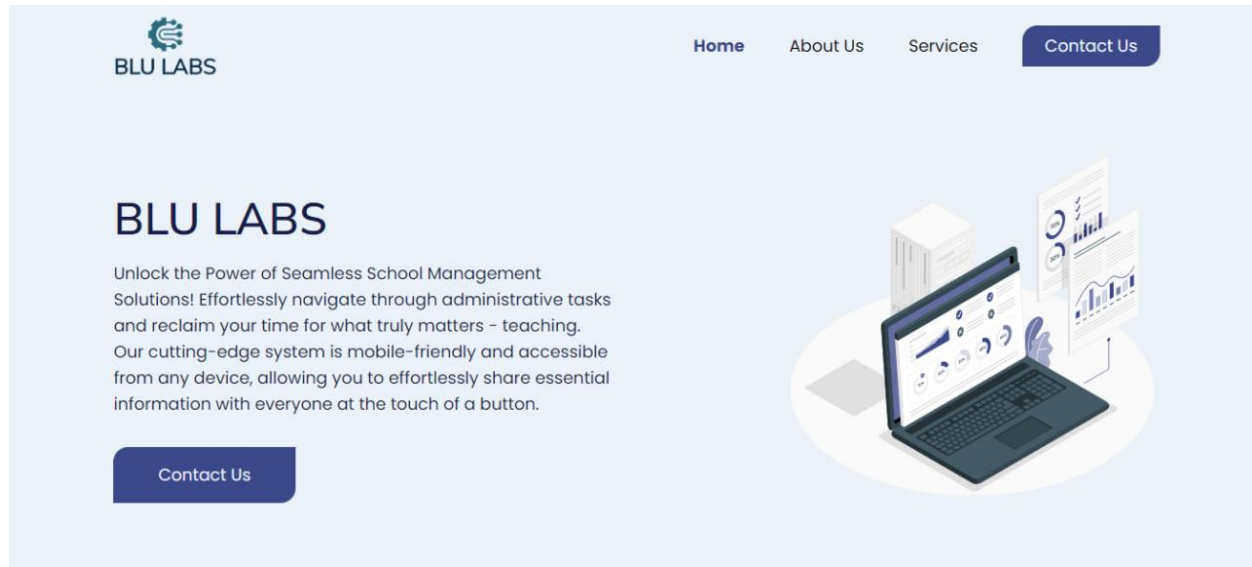
b. Design Process:

i. Research: Thorough research was conducted to align the website with the company's branding and color scheme. Existing branding materials such as logos, color palettes, typography.

ii. Wireframing: Wireframes were created to outline the layout and structure of each page. This provided a visual representation of content placement and arrangement, ensuring consistency and adherence to the company's branding.



iii. UI/UX Design: Using tools like Figma, wireframes were transformed into interactive visual designs. Attention was given to incorporating the company's branding elements, color scheme, typography, and overall aesthetic to create a cohesive and visually appealing user interface.

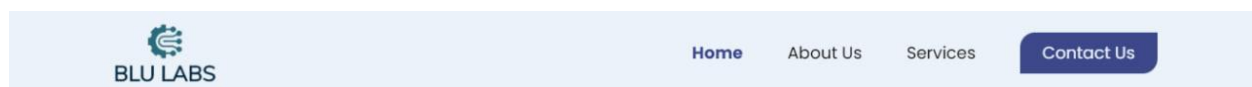


**3. Technology Selection:** React.js was chosen as the primary JavaScript library for building the website due to its component-based architecture and efficiency. Tailwind CSS, a utility-first CSS framework, was used to easily apply the company's branding styles and create responsive layouts. Forkik was utilized for form verification to ensure data integrity, security, and a seamless user experience. Framer was employed for animations to enhance the overall design. Additionally, react-scroll was used to create smooth navigation between different sections of the website.

#### **4. Development Process:**

a. **Component Development:** The website was divided into components like Navigation, Footer, and individual sections for Home, About Us, Contact Us, and Services. Each component was developed using React.js, incorporating the necessary HTML structure, styling with Tailwind CSS, and functionality as required.

b. **Smooth Navigation:** react-scroll was integrated to create a smooth scrolling effect when navigating between different sections of the website. This enhanced the user experience by providing a seamless and visually pleasing transition.



c. **Form Verification:** Forkik was integrated into the contact form to validate user input, ensuring that the information provided is accurate and secure.

## Contact Us

First Name:

Enter a value for this field.

Last Name:

Enter a value for this field.

Email:

Enter a value for this field.

Submit

d. Animation and Interaction: Framer was used to create animations and interactions throughout the website. This included animating elements on page load, transitions between sections, and interactive elements to enhance the user experience.

### *Challenges Faced:*

**Cross-Browser Compatibility:** Ensuring the website functions correctly across different web browsers can sometimes be challenging due to variations in browser rendering engines and CSS support.

**Integration:** Integrating the different tools seamlessly and ensuring they work together smoothly can sometimes be a challenge.