

Enhanced Website Application Development Project Documentation

Project Focus

By creating a Enhanced Fish Creek Animal Clinic Web Application, I got an Hands-on experience on HTML, CSS, JavaScript, React, Node.js, and jQuery and also this helps in developing skills in full-stack web development, including responsive design.

Challenges

Responsive Design

- I use CSS Grid Layout to make the Website Responsive.

React Router:

- I use React Router to enable navigation between the five pages/components: Home, Services, Ask the Vet, Shop, and Contact.

Form Validation:

- I use Node.js for Form Validation and also store the output in the server.

Summary of the Learning Experience

This project provided a comprehensive learning experience, especially in the following areas:

- Responsive Web Design: I gained a deeper understanding of Grid Layouts to build adaptive interfaces.
- JavaScript and DOM Manipulation: Working on the form validation logic and ensuring smooth interactions across devices gave me hands-on experience with JavaScript and DOM manipulation.
- React Components: I learned how to create components and combine them to make a web application
- React Router: I learned how to use react-router-dom for the navigation purpose
- Server Side: I learned Node.js to implement Back End programming
- Form Validation: I also learned to do form-validation with jQuery and Node.js

Screenshots for the Responsiveness

I attached the screenshot showing how the contact/component works responsive on different sizes of the screen.

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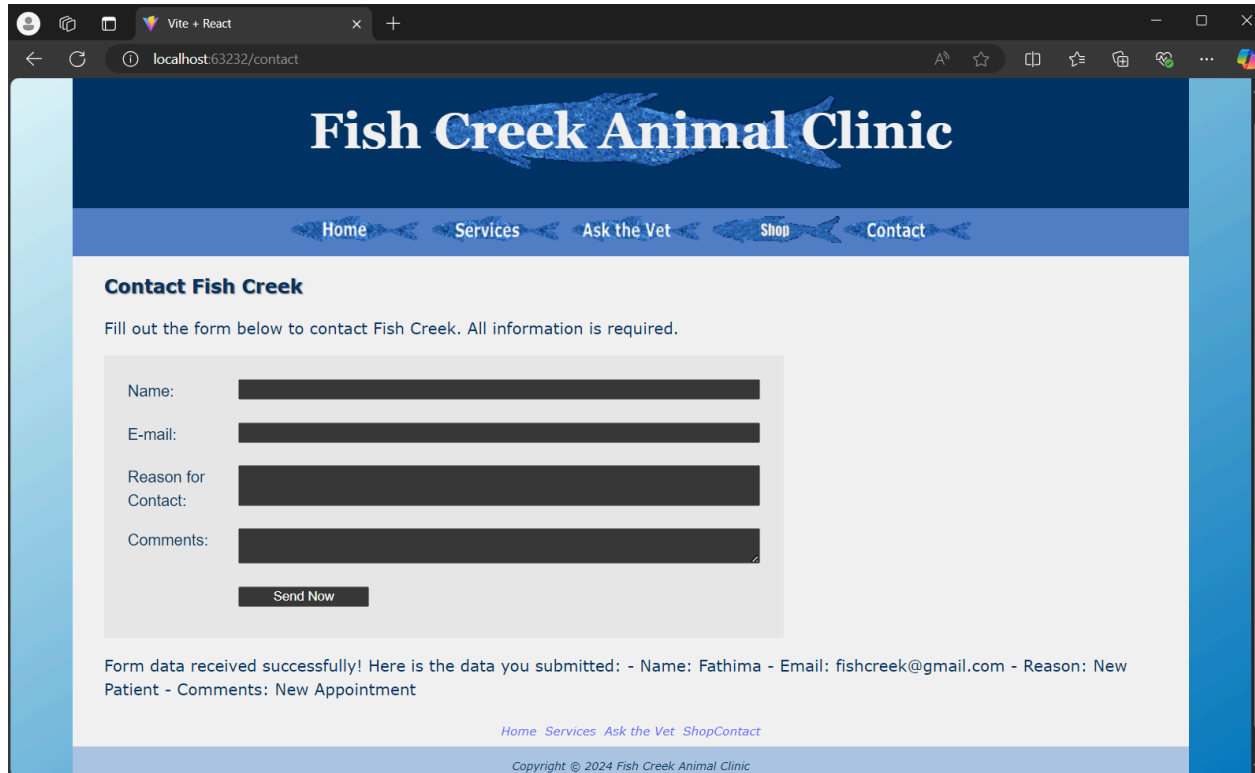


Figure 1: Showing the full Size of the contact page.

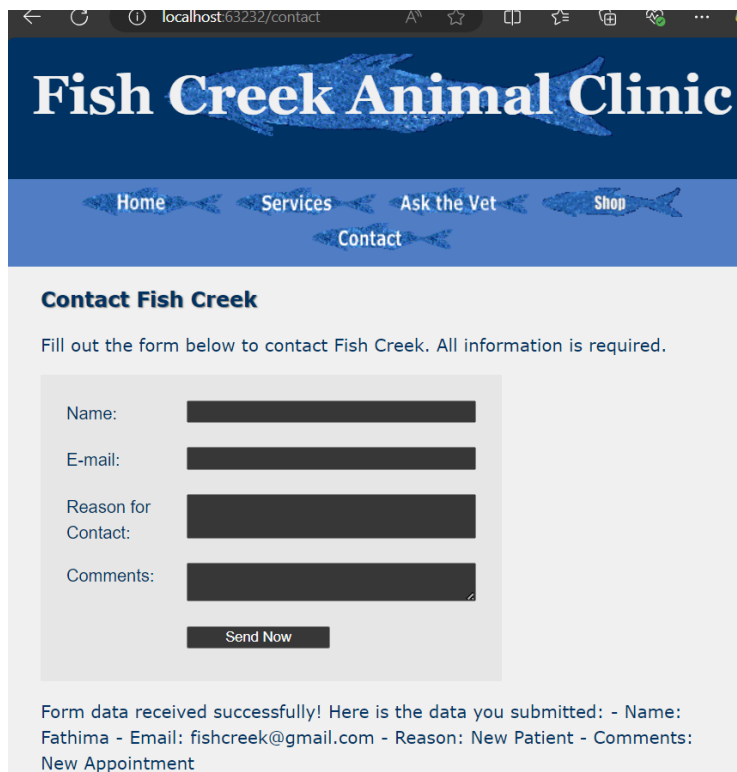


Figure 2: Showing the Contact page in Mobile Phone size.