

# SaaS Landing Signup Project Report

## 1. Introduction

This project is a simple SaaS landing page called "ZenTrack" that allows users to sign up with their full name and email. It demonstrates the integration of a clean frontend with a basic backend API using Node.js and Express. The project is designed to simulate a minimal product signup flow typically seen in software-as-a-service applications.

## 2. Abstract

The main objective of this project is to build a responsive landing page with a working signup form. When the form is submitted, the user's input is sent to a backend API. The backend processes the request and provides a foundation for future integration with a database or email confirm

## 3. Tools Used

- Frontend: HTML, CSS, JavaScript
- Backend: Node.js, Express.js
- Editor: Visual Studio Code
- Version Control: GitHub
- Terminal/CLI: Windows PowerShell or Terminal

## **4. Steps Involved in Building the Project**

Step 1: Designed the HTML structure for a simple and centered landing page with a sign-up form.

Step 2: Applied CSS styles to create a clean, responsive user interface.

Step 3: Implemented JavaScript logic to handle form validation and send user data using the Fetch API.

Step 4: Created a backend using Node.js and Express to handle POST requests from the frontend.

Step 5: Set up middleware using body-parser and enabled CORS to allow communication between frontend and backend.

Step 6: Defined the `‘/api/signup’` route to process and respond to user sign-up data.

Step 7: Connected the frontend to the backend and tested the full signup workflow.

## **5. Conclusion**

This project helped me understand the fundamentals of building a landing page with interactive elements and backend connectivity. I learned how frontend and backend technologies communicate and how APIs are used in real-world applications. Although data persistence via a database was not implemented, the foundation for full-stack development was successfully laid out. Future improvements could include storing signups in a database, adding email verification, and deploying the project to the web.