

# Fullstack Web Application - Approach, Challenges, and Learning

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September 2023

## 1 Introduction

Developed a clean, modern landing page for a fictional card selling company using HTML, CSS, Tailwind CSS and JavaScript. Used semantic, validated markup. Styled it attractively using CSS with a mobile-first responsive design. Used variables, flexbox, grid, etc. Added a contact form with name, email, message fields. When submitted, form is posting data to itself and displaying a "Thank you" message on the same page using PHP.

<https://khanshahnwaz.github.io/ProductFrontend.github.io/>

## 2 Approach

Before starting with the coding part, I carefully analyzed the approach I will be using in developing the application.

### 2.1 Project Planning

In this step, I selected a user interface for web version and mobile version. I set a deadline of 3 days to finish the project. Two days for developing frontend part and making it responsive then 1 day for contact us form and deployment.

### 2.2 Frontend Development

I began by structuring the web page using semantic HTML elements to ensure accessibility. Plain CSS and tailwind CSS was used to style the page attractively, with a focus on mobile-first responsive design.

## 3 Challenges

### 3.1 Responsiveness

The only challenging part in this project was to make the website responsive. This involved rigorous testing on different size viewports to ensure perfect responsiveness.

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## 4 Learning

### 4.1 PHP file deployment

In order to host the website, I needed to host my php file as well. In this process, I learnt that how to host websites on infinityfree.com.