Front-End Developer Challenge Submission

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Introduction

Welcome to my detailed report on the Horeca Service Page challenge. This challenge was completed independently without prior experience with the Shopify platform. My objective was to implement a responsive, feature-rich service page using HTML, CSS, and JavaScript. Despite my limited knowledge of Shopify's backend functionality, I worked hard to ensure the front-end of the project met the requirements and demonstrated my full potential as a front-end developer.

Task Breakdown

Test 1a – Contact Form & Auto Scroll

- Updated the `theme.css` file to match the required styling for the page.
- Added the `getInTouch` and `get_in_touch` IDs for implementing scroll functionality.
- Created a new JavaScript file (`get_in_touch.js`) to manage the scroll behavior on the page.

Test 1b – Customer Reviews Section

- Introduced a new "Customer Reviews" section in the `test1b.html` file.
- Added an "Add Review" button that allows users to add their reviews.
- Populated the reviews section with static entries to showcase functionality.

Test 1c – Image Carousel

- Sourced and implemented necessary images for the page.
- Added custom styles in the `custom.css` file to reflect the brand's design guidelines.
- Developed an image carousel using Slick Carousel in the HTML file.

Approach

To ensure the page was fully responsive, I began by designing the layout using HTML and CSS. I paid close attention to the visual and functional requirements as outlined in the challenge. My primary goal was to ensure that the page displayed well on all devices, ranging from desktop to mobile. To achieve this, I utilized CSS media queries and a combination of Flexbox and CSS Grid for precise layout management.

Logic

The main logic I incorporated was in the "service offerings" section. Using JavaScript, I dynamically loaded a list of services, which allowed the content to update interactively based on user interaction. Additionally, I updated the page's content to align with the provided design specifications, ensuring consistency with the branding and visual style.

Challenges

- **Responsiveness**: Initially, I used Flexbox to create the page layout, but I faced alignment issues on smaller screens. I resolved this by switching to CSS Grid, which gave me more control over the layout and ensured elements were correctly aligned across all devices.

- **Image Sourcing**: Finding appropriate online image links took some time, but I was able to gather all the necessary resources and implement them successfully. However, after publishing all the pages on the Netlify portal, I discovered that the images automatically loaded across all pages without the need for my manual adjustments, rendering my earlier efforts unnecessary.

Key Features Implemented

- **Responsive Design**:
  The page is fully responsive, ensuring it adapts seamlessly to various screen sizes using CSS media queries, Flexbox, and CSS Grid.
- **Dynamic Content**:
  JavaScript was used to dynamically load the list of services, making the page more interactive and allowing for real-time updates without page reloads.
- **Customer Reviews Section**:
  A functional "Add Review" button was added, enabling users to submit reviews. Static entries were added to showcase the feature.
- **Image Carousel**:
  An engaging image carousel was implemented to allow users to scroll through images smoothly, adding a dynamic visual element to the page.

Conclusion

This challenge provided an excellent opportunity to improve my front-end development skills. While I faced some challenges, particularly with responsiveness, I was able to adapt by switching to CSS Grid, which resolved most layout issues. The project allowed me to demonstrate my ability to work independently, learn new techniques on the fly, and implement a fully responsive, feature-rich service page. Going forward, I would aim to integrate backend functionality (such as saving data to Shopify's backend) and further improve the interactivity of the page.

Links & References

- Live Project: Horeca Service Page
- View code on Github: Click here
- View Challenge PDF Document: Click here