

# *React App for Review Sentiment Analysis*

[Codepen Link](#)

[CodeSandbox Link](#)

[GitHub Repo Link](#)

## **Tasks Given and Completed**

### **Introduction**

This document provides a summary of the tasks assigned and completed during the project. The tasks involve handling and displaying reviews data using React and Tailwind CSS, and addressing issues encountered while working with Codepen.

### **Tasks Overview**

The project began with setting up a React application on Codepen.io and creating a **ReviewList** component to fetch and display reviews from the provided **reviewsData.json** file. The next step involved implementing a **ReviewHighlighter** component to highlight sentences in reviews based on sentiment, using the **analytics** property to determine sentences and their corresponding sentiments, and applying colors to these sentences.

A **Tooltip** component was then created to display sentiment topics on hovering over highlighted sentences. This component successfully extracted and displayed the sentiment topics from the analytics data.

In terms of design and styling, the UI was developed to match provided screenshots, ensuring a clean and user-friendly interface. CSS styles were applied using Tailwind CSS for proper formatting and alignment, and the provided highlight colors were used for different sentiments.

B. Andressa wrote a review at [booking.com](#)

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★ ★ ★ ☆ ☆ 25 Nov 2021

(Translated): Exceeded expectations! (Original): Superou as expectativas! (Translated): Exceeded expectations! Pros: The place is amazing in every way! Starting with service. The team, always present, calls us by name and, after the first contacts, they already know our preferences. Our island guide, Chelsea, besides being super pleasant and polite, was always available for a good conversation or to prepare any tour, dinner, or request we had. He and the whole team certainly made our season there something more than special! The island is super well located and allows for fantastic snorkeling. Marine life is rich and abundant, and we were able to be close to rays, sharks, fish of all colors, and Mantas! An incredible place to eat well, relax, and connect with nature. (Original): Superou as expectativas! Pros: O lugar é incrível em todos os aspectos! A começar pelo atendimento. A equipe, sempre presente, nos chama pelo nome e, após os primeiros contatos, já sabem de nossas preferências. Nosso guia da ilha, o Chelsea, além de super agradável e educado, estava sempre disponível para uma boa conversa ou para preparar qualquer passeio, jantar, ou pedido que tivéssemos. Ele e toda a equipe, com certeza, fizeram de nossa temporada lá algo mais que especial! A ilha é super bem localizada e permite fantásticos mergulhos de snorkel. A vida marinha é rica e abundante, e pudemos estar perto de arraias, tubarões, peixes de todas as cores e das Mantas! Um lugar incrível para comer bem, relaxar e conectar com a natureza.

B. Amgad wrote a review at [booking.com](#)

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★ ★ ★ ★ ★ 06 May 2022 food and drinks

Exceptional Exceptional Pros: beautiful location, staff so friendly special host Mss Duksin, fishing trip is very nice we catch fish and cocked in same Resturant it was amazing , food is very delicious and fresh

Additionally, the optional task of using **highlight\_indices** to highlight sentences using specific start and end indices was **completed** as an additional challenge.

## Challenges and Solutions

- **Codepen Limitations:** Encountered issues with uploading files and using npm packages.
  - **Solution:** Shifted the project to CodeSandbox and GitHub Pages for better management of project dependencies and file uploads. Despite these challenges, I managed to complete the project on Codepen, demonstrating the initial setup and all the functionalities.
- **Styling Issues:** Faced challenges in achieving the desired styles for certain components.
  - **Solution:** Used Tailwind CSS for consistent and responsive styling. Customized ReactTooltip styles directly to achieve the required appearance.

## Conclusion

All assigned tasks were **completed successfully**, despite the initial challenges with the development environment. The alternative solution using CodeSandbox and GitHub Pages proved effective in managing project dependencies and hosting. The project now features a well-structured layout with dynamically highlighted content and customizable tooltips.