



ASSIGNMENT :: REACT.JS DEVELOPMENT

Objective:

Install the *News2Day – Local News & Buzz* short news app from Google Play Store and go through it thoroughly. It is available only for Android devices in Telugu language for Andhra Pradesh and Telangana States.

The admin panel you develop will include several key pages, each designed to fulfil specific administrative functions within the app. This project will test your abilities in React.js, including state management, routing, and API integration, as well as your skills in creating intuitive and visually appealing interfaces. You can use the open-source APIs.

Project Pages and Features:

1. **Dashboard:** The main overview page that provides quick access to key metrics and functionalities of the admin panel. This could include user activity, content statistics, and quick links to manage news feeds or view performance reports, users only status, top performed news, top shared news, top commented news, etc.,
2. **Create News Feed Page:** This page should allow administrators to easily create and publish new news feeds. It must include form fields for title, content, and category as well as the ability to upload images or videos. **A unique feature of this page should be a mobile preview screen, enabling administrators/sub-editors/content writers to see how the news feed will appear on mobile devices before publishing.**
3. **Manage News Feeds Page:** Display a list of all news feeds in a table format, with options to edit, delete, or view each feed in detail. The table should include columns for the news feed title, category, creation date, and status (published or draft).
4. **Performance Reports Page:** A page dedicated to showing the performance metrics of the news feeds, such as views, likes, and engagement rates. Use



graphs and charts to visually represent the data, making it easy to understand and analyze.

Design and Development Guidelines:

- **Color Scheme:** Opt for an elegant color scheme that enhances readability and user interface aesthetics. Consider a palette that combines neutral backgrounds with contrasting primary colors for buttons and interactive elements, such as shades of blue, green, or any color that aligns with the News2Day brand.
- **Icons:** Use intuitive icons to enhance the user experience, ensuring that they are consistent in style and aligned with the overall design. Icons can be used for navigation, indicating actions like edit, delete, or view, and for embellishing key metrics on the dashboard.
- **React.js Practices:** Implement the latest React.js features, such as hooks for state management and the Context API for managing global state. Ensure the application is responsive, with a mobile-first design approach where applicable.
- **Documentation:** Your code should be well-documented, with comments explaining the functionality of complex components. Include a README file in your repository that details the project setup, libraries used, and any special instructions for running the admin panel.

Submission Guidelines:

- Submit your work by pushing your code to a GitHub repository. Make sure the repository is public and well-organized.
- Include a README.md file in your repository with detailed instructions on how to set up and run the project, including any environment variables or external dependencies needed.

Deadline:

Your submission is due by 31.03.2024.



Evaluation Criteria:

Your project will be evaluated on its functionality, code quality, adherence to the design and development guidelines, creativity in UI/UX design, and your ability to create a cohesive and user-friendly admin panel. Special attention will be given to how you implement React.js best practices, the responsiveness of your design, and the effectiveness of your documentation.

This is your opportunity to shine and demonstrate your potential as a React.js developer. We are looking forward to seeing your innovative solutions and wish you the best of luck on this project!

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