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1.INTRODUCTION

In the contemporary era, the rapid evolution of web technologies has revolutionized how information is disseminated and consumed. Traditionally, news delivery relied on physical broadsheets, which faced significant hurdles such as time consumption, delayed reporting of breaking events, and high production costs.

THE NATIONAL CHRONICLE is a modern, responsive digital news application designed to bridge the gap between traditional journalism and the digital age. This project serves as a sophisticated prototype that emphasizes clean user interfaces, high-impact visual storytelling, and seamless navigation. By utilizing frontend technologies like HTML5, CSS3, and Bootstrap 5, this system provides a professional foundation for trusted national reporting while ensuring a consistent experience across all devices.

2.TITLE: THE NATIONAL CHRONICLE (RESPONSIVE NEWS APP)

2.1 Development Tools

- VS Code (Visual Studio Code): The primary Integrated Development Environment (IDE) utilized for writing, editing, and previewing the core code structure.
- Web Browsers (Chrome / Edge): Essential for real-time testing, debugging DOM elements, and verifying CSS grid alignment.
- GitHub: Employed for robust version control, allowing for systematic updates and code management.

2.2 Publishing

- Hosting Platform: The project is published and made live through GitHub Pages, ensuring global accessibility via a secure web URL.

2.3 Designing Tools

- Figma: A critical tool used for high-fidelity wireframing and prototyping. This ensured the newspaper-style grid layout was perfected before the implementation phase.

2.4 Technology Stacks Used

- HTML5: Used to build the semantic structure of the news platform, including mastheads, article sections, and footer metadata.
- CSS3: Utilized for advanced styling, including custom borders, typography hierarchy, and complex layout control.
- JavaScript: Implemented for interactive behaviors such as the dynamic breaking news ticker and form validation logic.
- Bootstrap 5: Leveraged for its powerful responsive grid system and pre-styled UI components that ensure site stability.
- Google Fonts: Integrated to use professional font families like 'Playfair Display' for an authoritative newspaper feel.

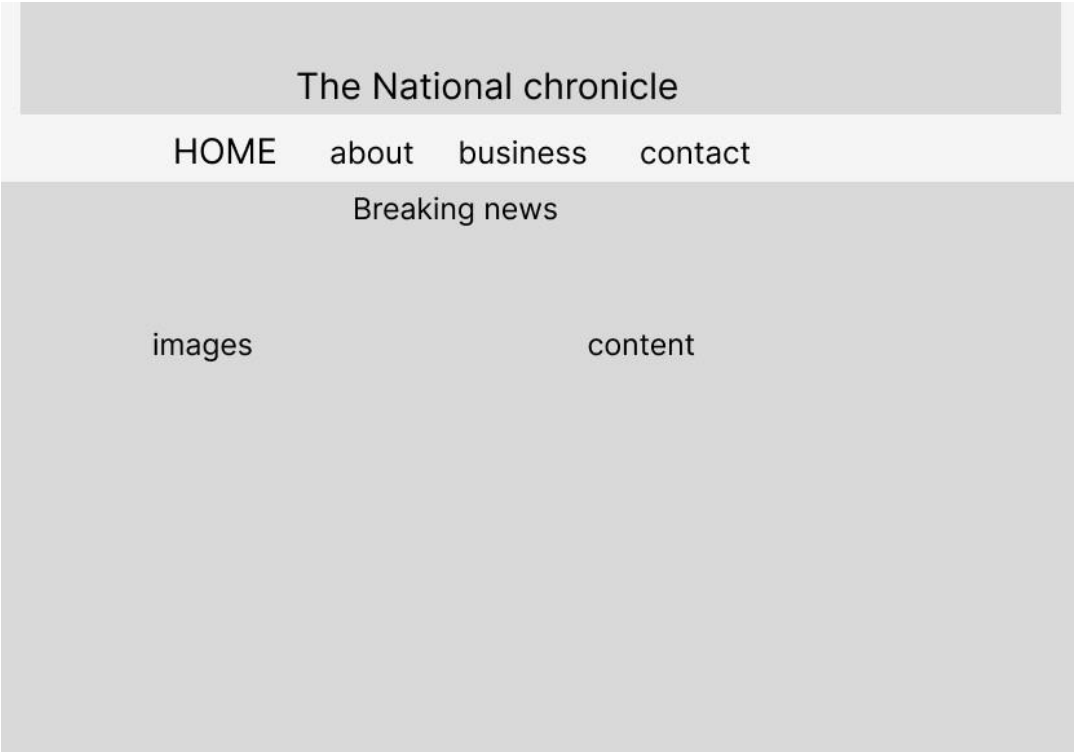
3. OBJECTIVES / AIM

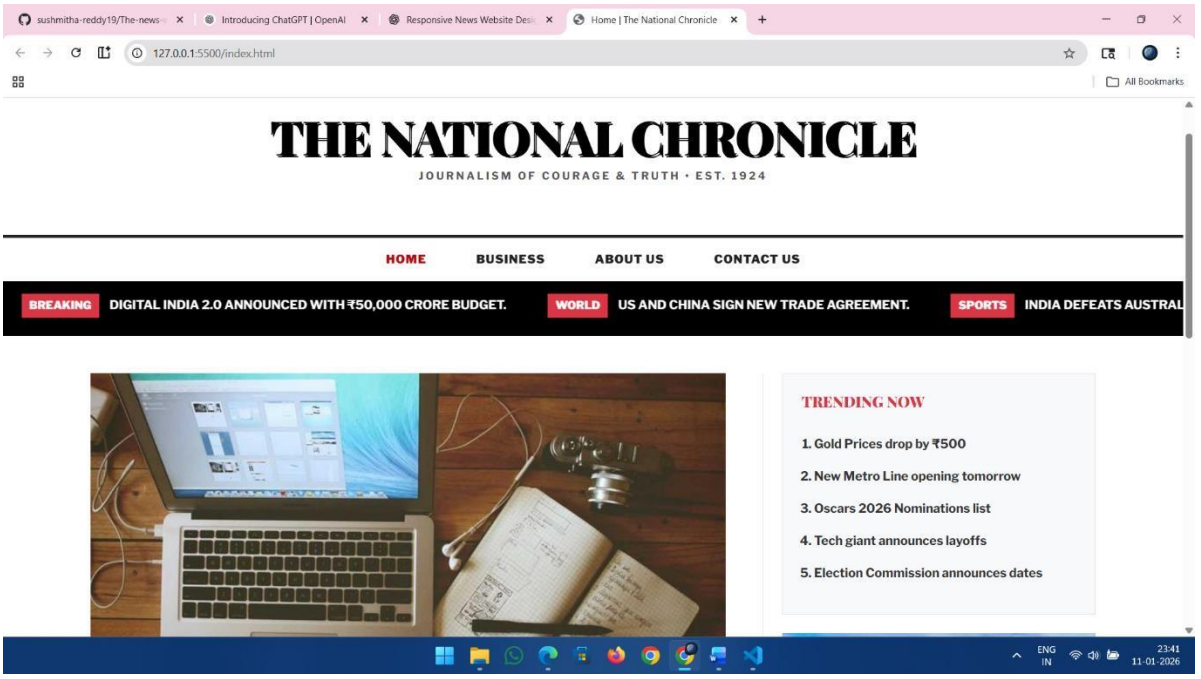
The primary aim of this project is to design and develop a fully responsive static news website using frontend web technologies, specifically HTML and CSS. The project is intended to simulate the structure and presentation of a real-world online news portal similar to popular platforms such as The Hindu and Times of India. Through this project, the objective is to apply theoretical knowledge of web development concepts into a practical implementation that demonstrates proper layout design, content organization, and userfriendly navigation. Another important aim is to understand responsive design principles and ensure that the website functions effectively across different screen sizes including mobile devices, tablets, and desktop systems. Additionally, the project aims to follow SEO-friendly coding practices and demonstrate basic user interaction using HTML forms.

- **Visual Authority:** To implement a layout that balances heavy text with high-quality news imagery.
- **Categorical Organization:** To present diverse news streams—such as Business, National Affairs, and Opinion—in a structured, easy-to-read format.
- **Cross-Platform Accessibility:** To ensure the news application remains fully functional and visually optimized for desktops, tablets, and smartphones.
- **Reader Engagement:** To provide interactive touchpoints, including a news tip submission system and live video updates.

4. Diagrams

Before the coding phase, a wireframe was designed using Figma to visually represent the layout and structure of the website. The wireframe diagram includes the placement of the header section with a centered logo, a sticky navigation bar, the main content area for headline news, a sidebar for latest updates, multiple content blocks for different news categories, and a footer section. Designing the wireframe helped in understanding how the content should be distributed across the page and ensured consistency in design across all four HTML pages. The wireframe also reduced confusion during development and served as a reference point while implementing the actual HTML and CSS code. Screenshots of the wireframe design are included in the documentation as visual evidence of the planning stage.

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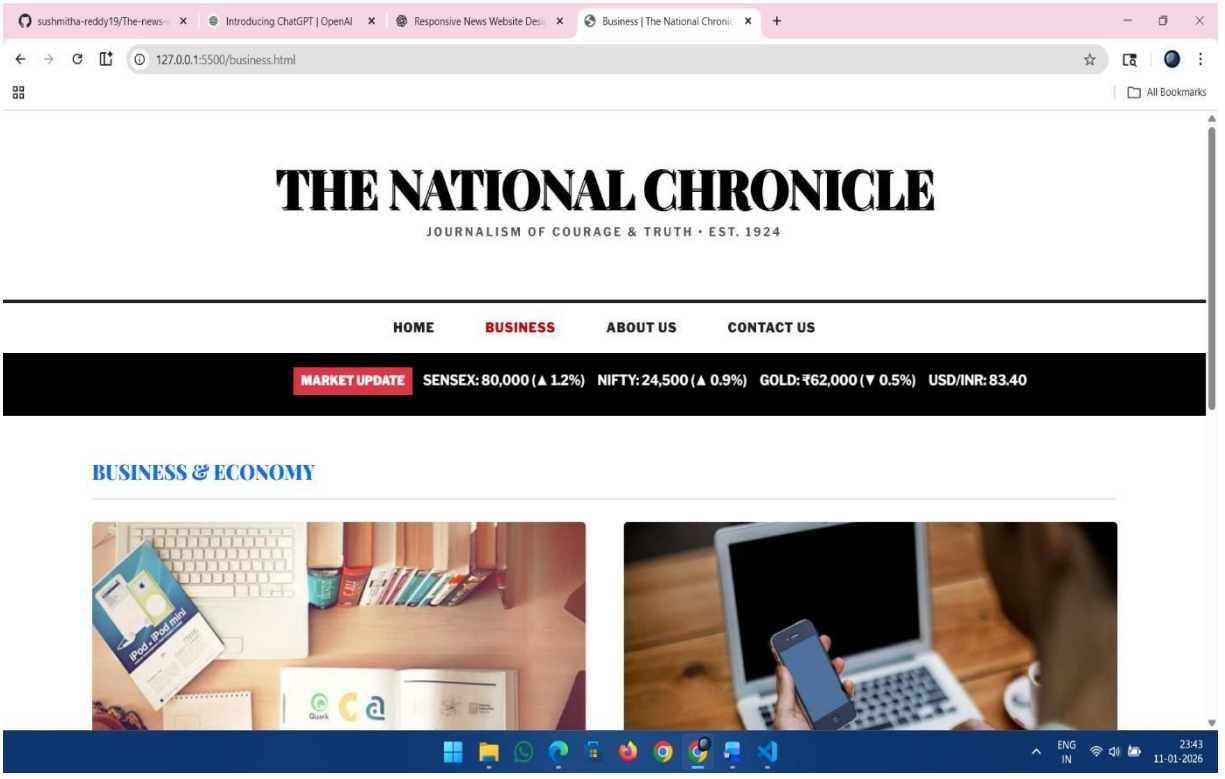
1. Gold Prices drop by ₹500
2. New Metro Line opening tomorrow
3. Oscars 2026 Nominations list
4. Tech giant announces layoffs
5. Election Commission announces dates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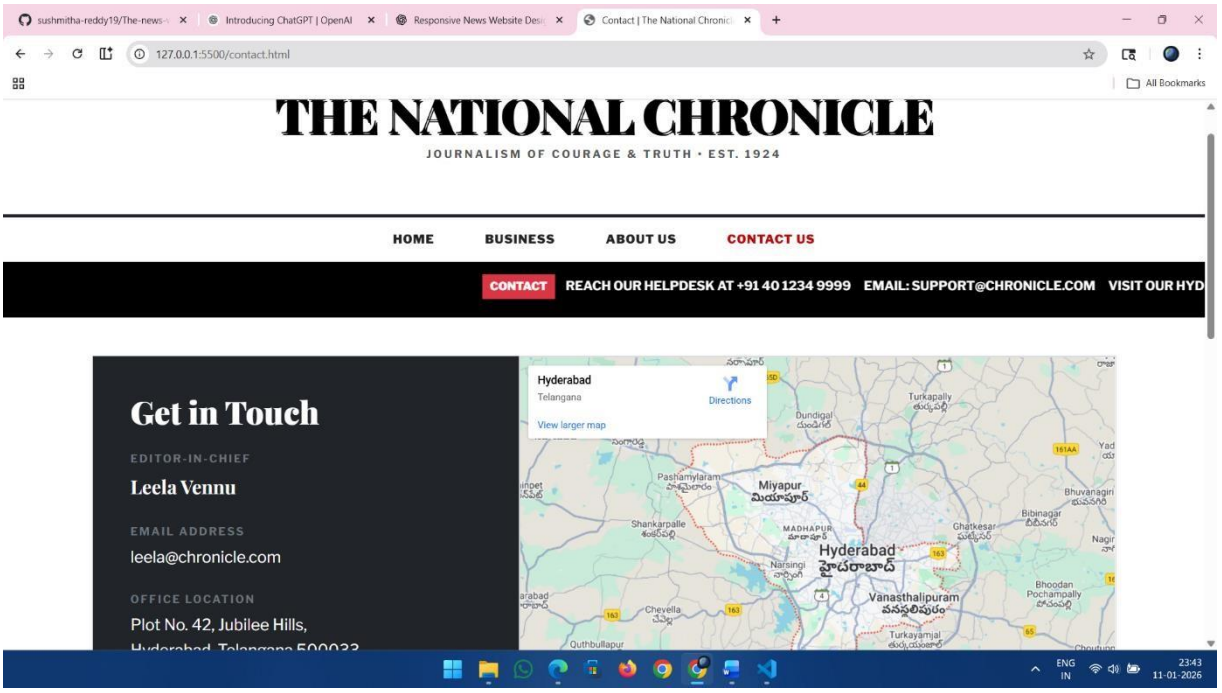
MARKET UPDATE
SENSEX: 80,000 (▲ 1.2%)
NIFTY: 24,500 (▲ 0.9%)
GOLD: ₹62,000 (▼ 0.5%)
USD/INR: 83.40
BUSINESS & ECONOMY

5.Technical Steps

The development of this project was carried out in a structured and step-by-step manner. Initially, the assignment requirements were thoroughly analyzed to understand the expectations related to design, responsiveness, SEO, and hosting. Based on this analysis, the theme of a news website was selected, and the overall structure of the project was planned. A project folder was created, and four HTML files were developed to represent different pages of the website: index.html for the Home page, about.html for the About page, business.html for the Business news section, and contact.html for the Contact page.

Each of these HTML files contains in-built (internal) CSS defined within the <style> tag. This approach was chosen to keep the styling self-contained within each file, making it easier to manage and understand for a small-scale static project. Semantic HTML elements such as header, nav, section, article, and footer were used to improve code readability and SEO friendliness. A navigation bar was added to all pages and made sticky using CSS so that it remains visible at the top while scrolling, thereby improving user experience.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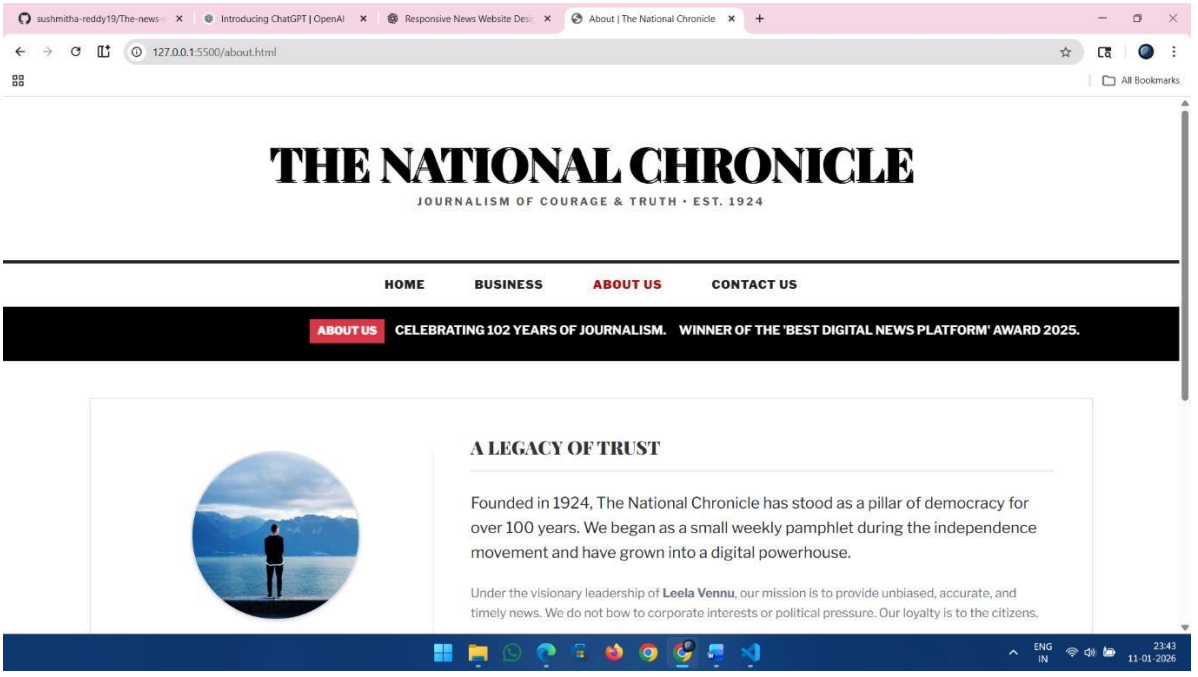
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CELEBRATING 102 YEARS OF JOURNALISM.
WINNER OF THE 'BEST DIGITAL NEWS PLATFORM' AWARD 2025.
A LEGACY OF TRUST
Founded in 1924, The National Chronicle has stood as a pillar of democracy for over 100 years. We began as a small weekly pamphlet during the independence movement and have grown into a digital powerhouse.
Under the visionary leadership of Leela Vennu, our mission is to provide unbiased, accurate, and timely news. We do not bow to corporate interests or political pressure. Our loyalty is to the citizens.

The Home page was designed to include a main headline section with an image and description, along with a sidebar that displays the latest news headlines. Additional news content was displayed using a gridbased layout to resemble a traditional newspaper format. The About page provides information about the news organization, its mission, and its purpose. The Business page focuses on business and marketrelated news

articles displayed using images and short descriptions. The Contact page includes a contact form built using HTML input elements, as well as an embedded Google Map to show location details.

Responsiveness was achieved by using flexible layouts, relative units, and media queries within the internal CSS. This ensures that the website adapts smoothly to different screen sizes without breaking the layout. Dummy content and royalty-free images were used to simulate real news articles and enhance the visual appearance of the website.

6. Challenges / Limitations

One of the major challenges faced during the development of this project was creating a layout similar to professional news websites using only HTML and CSS, without the support of JavaScript or backend technologies. Managing content density, image sizing, and alignment using in-built CSS required careful adjustments and repeated testing. Another challenge was ensuring responsiveness across different devices while maintaining a consistent newspaperstyle appearance. Since the website is static, it does not support realtime news updates, user authentication, or dynamic content loading. Additionally, using internal CSS can make maintenance difficult if the project grows larger, as changes need to be made individually in each HTML file.

7. Conclusion / Summary

In conclusion, the Global Times project successfully demonstrates the design and development of a fully responsive static news website using four HTML files with in-built CSS. The project fulfills all the requirements specified in the assignment, including multiple pages, navigation, responsiveness, SEO-friendly structure, and basic user interaction. Through this project, practical experience was gained in layout planning, responsive design, content structuring, and frontend deployment. The project serves as a strong foundation for future enhancements, such as adding JavaScript for interactivity or integrating backend technologies for dynamic news updates.

8. References

The following resources were referred to for learning and implementation during the development of this project:

- https://developer.mozilla.org/
- https://www.w3schools.com/
- https://www.figma.com/
- https://unsplash.com/
- https://fonts.google.com/
- https://htmlcolorcodes.com/