

# **Assignment : Responsive Dashboard with News and Payout Features**

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I'm a final-year Computer Engineering student at Thapar Institute of Engineering and Technology, passionate about building practical and impactful tech products. I specialize in full-stack development and machine learning, with hands-on experience in React.js, Next.js, Firebase, and REST APIs.

Currently, I'm interning at IIFL Home Finance, where I'm working across Angular and React frameworks, contributing to both frontend features and logic-heavy integrations. I also got the opportunity to work independently on a machine learning project that automates property description extraction.

LINK FOR CODE FILES : [TANMAY\\_RELAN\\_ASSIGNMENT](#)

## **Why I Want to Join Sports Dunia?**

Sports Dunia feels like the perfect place where my love for sports and my skills in tech can truly come together. What started as a passion for football and cricket growing up has evolved into a strong interest in how content, analytics, and user experience shape the way fans interact with sports today.

What really stood out to me about Sports Dunia is your mission not just to report sports but to redefine how fans experience it. The idea of combining live match updates, analysis, and fan-first storytelling across football, cricket, basketball, and even gaming and esports is something I genuinely connect with.

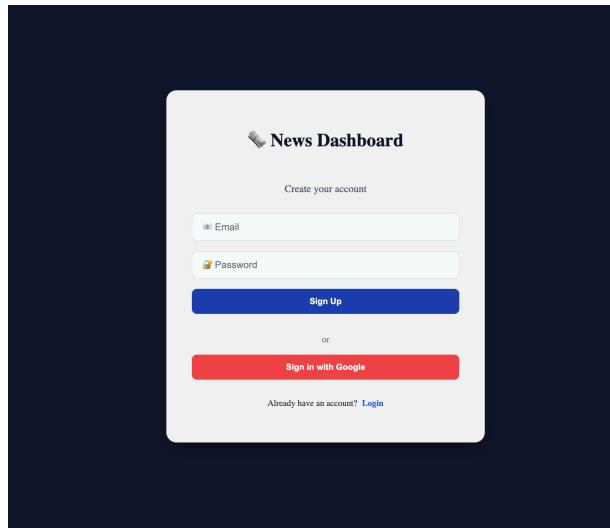
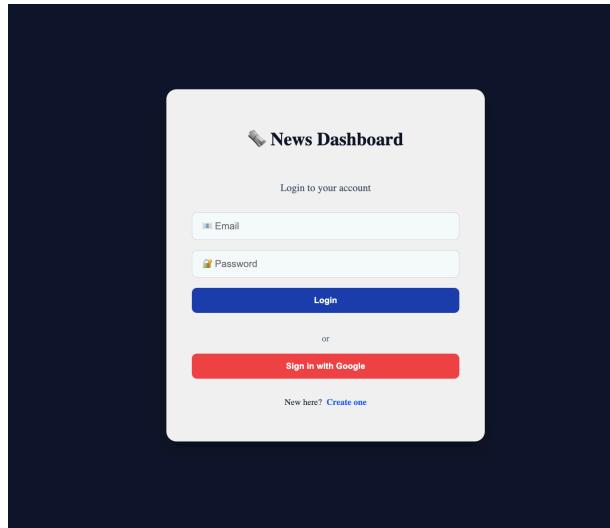
I've spent the last year building full-stack web apps, working with data, and crafting smooth user experiences — and I'd love to bring those skills to a team that's as passionate about sports as I am. Whether it's optimizing how scores are shown, building internal tools for creators, or experimenting with smarter content delivery I want to contribute meaningfully to that journey.

What excites me most is the way Sports Dunia is growing — from a football blog to a full-fledged sports destination with global ambition. I see this as a space where I can learn, build, and grow with a team that's setting the tone for the future of sports media.

In short, I'm not just looking for a job I'm looking to be part of something that feels personal, fast-paced, and purpose-driven. Sports Dunia checks all those boxes.

## 1. User Authentication:

- Implemented email/password-based secure login and signup using Firebase Authentication.
- Integrated Google Sign-In using Firebase's OAuth system.
- Stored authenticated user data and role in LocalStorage to manage access.
- Admin check implemented via hardcoded UID/email for simplicity (can be expanded to Firestore).



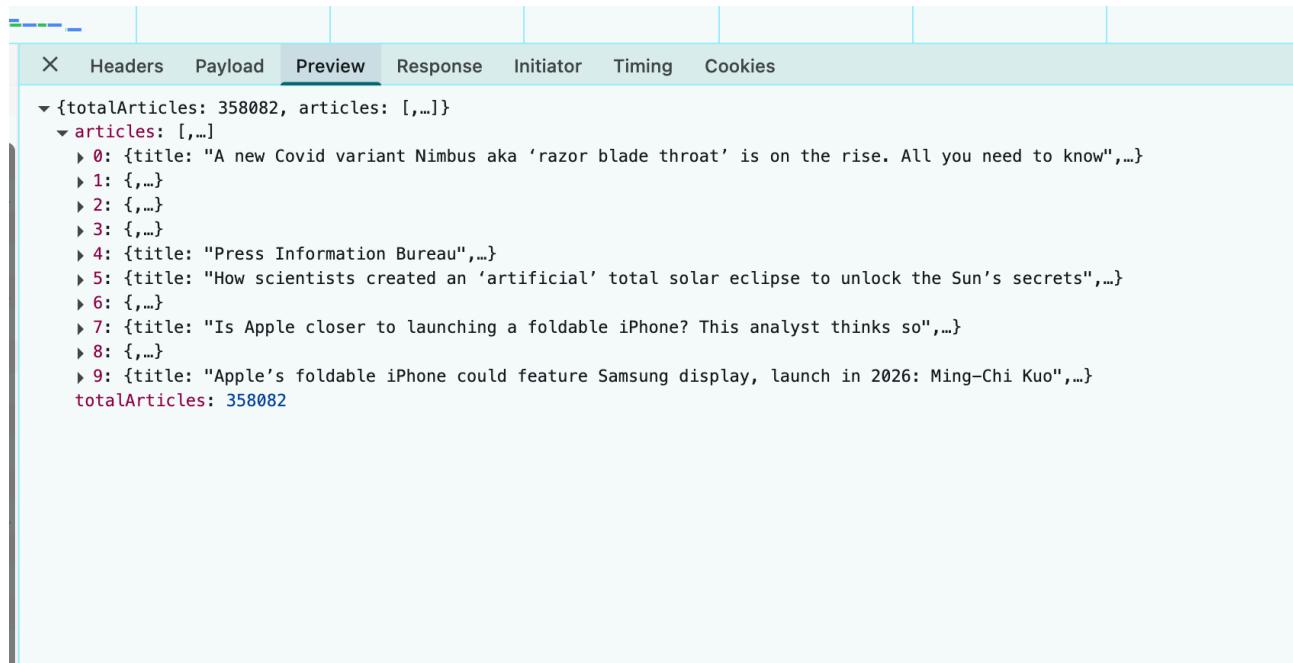
**ⓘ** The following Authentication features will stop working when Firebase Dynamic Links shuts down on August 25, 2025: email link authentication for mobile apps, as well as Cordova OAuth support for web apps.

Identifier	Providers	Created	Signed In	User UID
tanmayrelian2003@gm...	✉	Jun 19, 2025	Jun 19, 2025	aX89RhaXhQTZQcD5SGP0Kx...
lagaaankebaadcricket...	G	Jun 19, 2025	Jun 19, 2025	07psrs8wy6QBsrxz0nrf2lj5cUf2

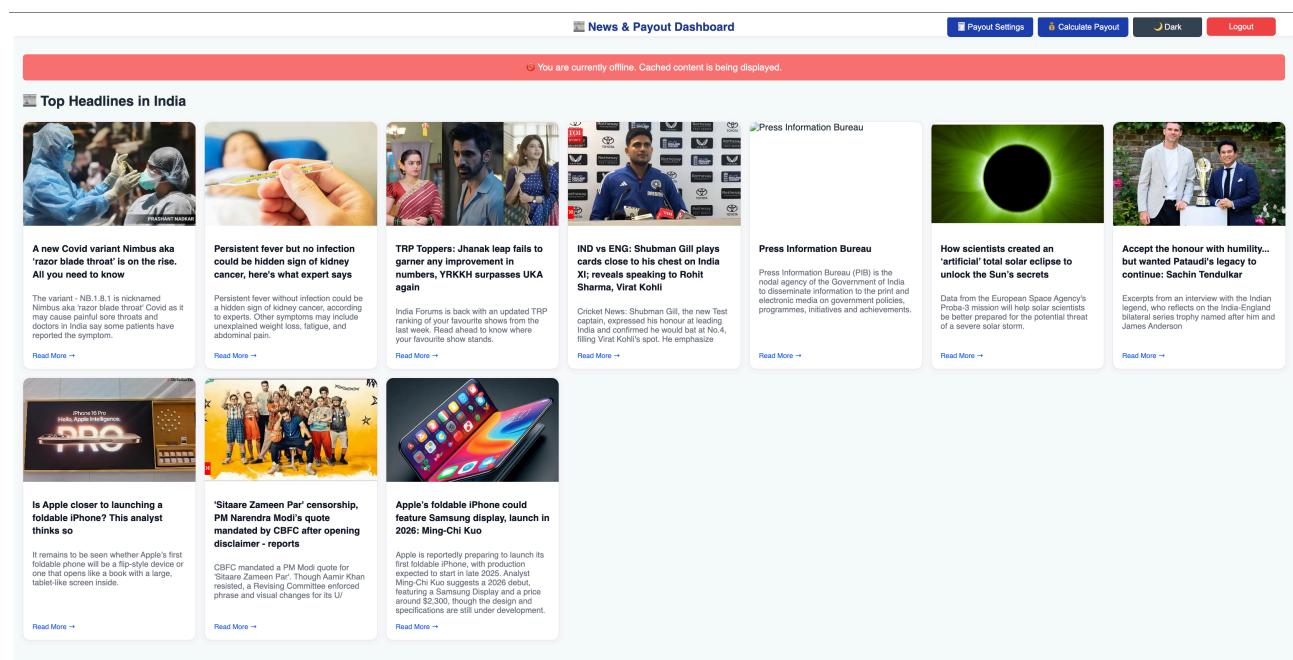
Rows per page: 50 < 1 - 2 of 2 >

## 2. News and Blog Data Integration:

- Used a simulated API layer (`fetchNewsFromAPI`) with mocked news/blog data for reliability.
- Articles are rendered dynamically in card format with author, publish date, and type.
- Offline mode implemented using LocalStorage cache fallback.(Bonus)**



```
totalArticles: 358082, articles: [ ,... ]  
articles: [ ,... ]  
0: {title: "A new Covid variant Nimbus aka 'razor blade throat' is on the rise. All you need to know",...}  
1: {...}  
2: {...}  
3: {...}  
4: {title: "Press Information Bureau",...}  
5: {title: "How scientists created an 'artificial' total solar eclipse to unlock the Sun's secrets",...}  
6: {...}  
7: {title: "Is Apple closer to launching a foldable iPhone? This analyst thinks so",...}  
8: {...}  
9: {title: "Apple's foldable iPhone could feature Samsung display, launch in 2026: Ming-Chi Kuo",...}  
totalArticles: 358082
```



### 3. Responsive Design:

- Fully responsive layout using Tailwind CSS and CSS modules.
- Layout adapts cleanly across mobile, tablet, and desktop.
- Dropdown action button replaces logout/settings on small screens.

The screenshot shows a responsive news dashboard layout. At the top, there are navigation links: 'Payout Settings', 'Calculate Payout', 'Dark' mode, and 'Logout'. Below this is a red header bar with the message 'You are currently offline. Cached content is being displayed.' The main content area is a grid of news cards. Some cards have a red background at the top. The cards include various topics such as health news (Covid variant), sports (IND vs ENG), technology (iPhone foldable phone), and science (solar eclipse). Each card features a thumbnail image, a title, a brief summary, and a 'Read More' link.

This screenshot shows the browser's developer tools (DevTools) with the 'Elements' tab selected. The left pane displays the HTML structure of a news card, and the right pane shows the 'Computed' styles for a selected element. A specific div is highlighted with a dashed orange border, and its computed styles are listed in the sidebar, including margin: 0px, border: 1px solid #ccc, and padding: 10px. The DevTools also show other tabs like 'Console', 'Sources', and 'Network', along with a 'What's new in DevTools 137' update notice.

#### 4. Payout Calculator:

- Admins can set payout per article/blog using the Payout Settings page.
- Calculator computes total payout based on set rates.
- Only admins see the settings button

### \$ Set Payout Rates

Article Payout (₹):

1200

Blog Payout (₹):

221

**Save Rates**

### 📋 Payout Calculation

Total Articles: 1

Total Blogs: 1

**\$ Total Payout: ₹1421**

#### Add Entry

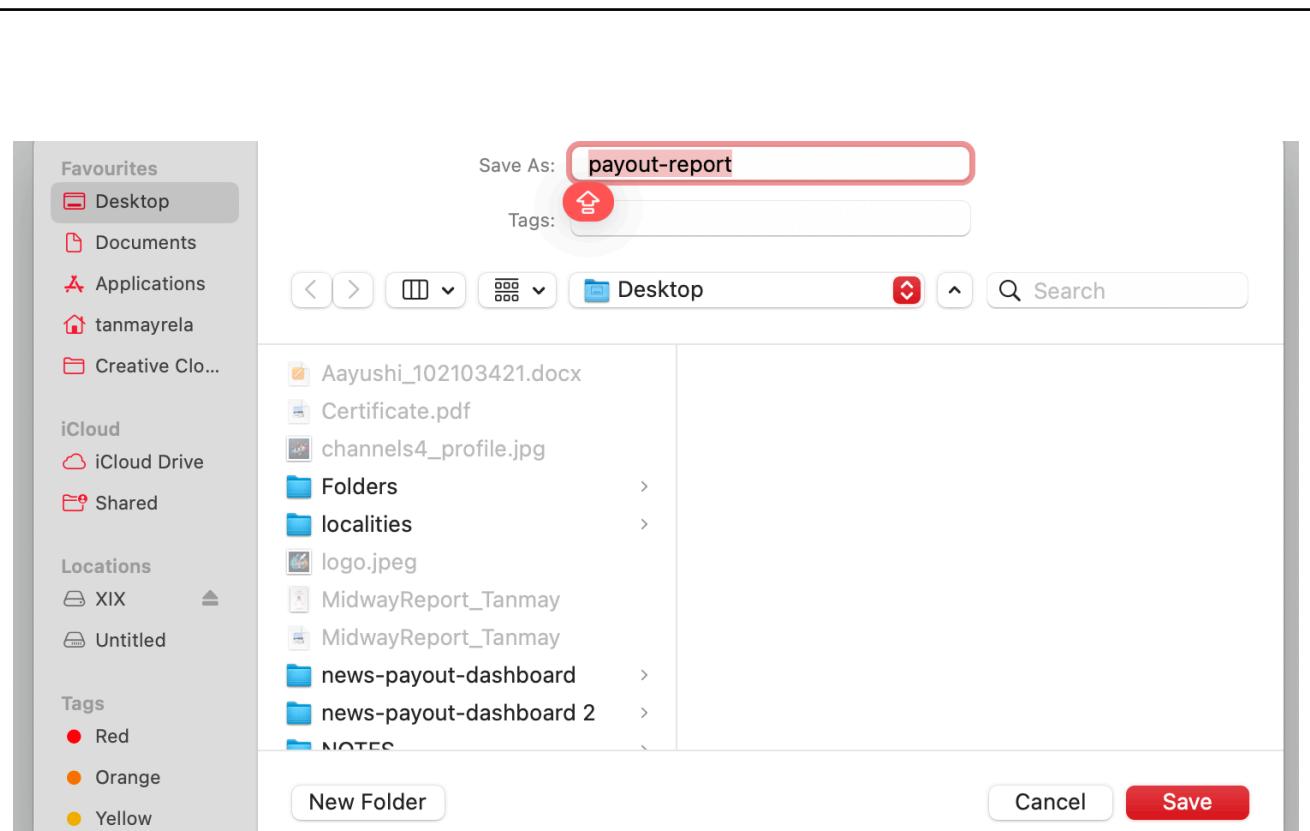
Title

Article ▾

+ Add

ID	Title	Type	Payout	
1750340571761	COVID	article	₹1200	 Delete
1750340581095	GEN AI	blog	₹221	 Delete

 Export CSV



## 5. Error Handling:

- Catch block shows fallback alert if API fails.
- Offline alert bar displayed if user is offline.

```
const [error, setError] = useState(null); // 🚨 NEW: For handling fetch error

useEffect(() => {
  setHasMounted(true);

  const loadNews = async () => {
    try {
      const data = await fetchNewsFromAPI();
      setArticles(data);
      localStorage.setItem("cachedNews", JSON.stringify(data));
    } catch (err) {
      const cached = localStorage.getItem("cachedNews");
    }
  };
});
```

A screenshot of a web-based dashboard titled 'News &amp; Payout Dashboard'. At the top right are links for 'Payout Settings', 'Calculate Payout', 'Dark', and 'Logout'. A red banner at the top states 'You are currently offline. Cached content is being displayed.' Below the banner, there's a section titled 'Top Headlines in India'.

## Bonus Features

- Dark Mode toggle using `useState` and `document.documentElement.classList`
- Offline Mode: Implemented via LocalStorage caching
- Responsive and Accessible design
- Good Lighthouse score due to Next.js

### News & Payout Dashboard

Top Headlines in India

A grid of news cards showing various headlines from India, including medical news, sports, technology, and politics. Each card includes a thumbnail image, a headline, a brief summary, and a 'Read More' button.

- A new Covid variant Nimbus aka 'razor blade throat' is on the rise. All you need to know**  
The variant - N1.5.1 is nicknamed Nimbus aka 'razor blade throat' Covid as it may cause painful sore throats and doctors in India say some patients have reported the symptom.  
[Read More →](#)
- Persistent fever but no infection could be hidden sign of kidney cancer, here's what expert says**  
Persistent fever without infection could be a hidden sign of kidney cancer, according to experts. Other symptoms may include unexpected weight loss, fatigue, and abdominal pain.  
[Read More →](#)
- TRP Toppers: Jhanak leap falls to garner any improvement in numbers, YRKKh surpasses UKA again**  
India's 'Forums' is back with an updated TRP ranking of the year's shows from the last week. Read ahead to know where your favourite show stands.  
[Read More →](#)
- IND vs ENG: Shubman Gill plays cards close to his chest on India XI; reveals speaking to Rohit Sharma, Virat Kohli**  
Cricket News: Shubman Gill, the new Test captain, expressed his honour at leading India and confirmed he would bat at No.4, filling Virat Kohli's spot. He emphasize  
[Read More →](#)
- Press Information Bureau**  
Press Information Bureau (PIB) is the statutory agency of the Government of India to disseminate information to the print and electronic media on government policies, programmes, initiatives and achievements.  
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- How scientists created an 'artificial' total solar eclipse to unlock the Sun's secrets**  
Data from the European Space Agency's Proba-3 mission will help solar scientists be better prepared for the potential threat of a severe solar storm.  
[Read More →](#)
- Accept the honour with humility... but wanted Patnaudi's legacy to continue: Sachin Tendulkar**  
Excerpts from an interview with the Indian legend, who reflects on the India-England bilateral series trophy named after him and James Anderson  
[Read More →](#)
- Is Apple closer to launching a foldable iPhone? This analyst thinks so**  
It remains to be seen whether Apple's first foldable phone will be a flip-style device or one that opens like a book with a large, tablet-like screen inside.  
[Read More →](#)
- 'Sitaare Zameen Par' censorship, PM Narendra Modi's quote mandated by CBFC after opening disclaimer - report**  
CBFC mandated a PM Modi quote for 'Sitaare Zameen Par' through Aamir Khan instead. The Rating Committee reinforced phrase and visual changes for its U/ PG rating.  
[Read More →](#)
- Apple's foldable iPhone could feature Samsung display, launch in 2026: Ming-Chi Kuo**  
Apple is reportedly preparing to launch its first foldable iPhone, with production expected to begin next year. Analyst Ming-Chi Kuo suggests a 2026 debut, featuring a Samsung Display and a price around \$1,800. The exact design and specifications are still under development.  
[Read More →](#)

### News & Payout Dashboard

Payout Calculation

Total Articles: 1  
Total Blogs: 1  
Total Payout: ₹1421

Add Entry

ID	Title	Type	Payout
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[Export CSV](#)

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### Top Headlines in India



#### A new Covid variant 'Nimbus aka 'razor blade throat' is on the rise. All you need to know

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[Read More →](#)

#### Persistent fever but no infection could be hidden sign of kidney cancer, here's what expert says

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India Forums is back with an updated TRP ranking of your favourite show from the last week. Read ahead to know where your favourite show stands.

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Cricket News: Shubman Gill, the new Test captain, expressed his honour at leading India and confirmed he would bat at No.4, filling Virat Kohli's spot. He emphasize

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Press Information Bureau (PIB) is the nodal agency of the Government of India to disseminate information to the print and electronic media on government policies, programmes, initiatives and achievements.

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#### How scientists created an 'artificial' total solar eclipse to unlock the Sun's secrets

Data from the European Space Agency's Proba-3 mission will help solar scientists be better prepared for the potential threat of a severe solar storm.

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#### Accept the honour with humility... but wanted Pataudi's legacy to continue: Sachin Tendulkar

Excerpts from an interview with the Indian legend, who reflects on the India-England bilateral series trophy named after him and James Anderson

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It remains to be seen whether Apple's first foldable phone will be a flip-style device or one that opens like a book with a large, tablet-like screen inside.

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#### 'Sitaare Zameen Par' censorship, PM Narendra Modi's quote mandated by CBFC after opening disclaimer - reports

CBFC mandated a PM Modi quote for 'Sitaare Zameen Par'. Though Aswin Khan resisted, a Revising Committee enforced phrase and visual changes for its U/

[Read More →](#)

#### Apple's foldable iPhone could feature Samsung display, launch in 2026: Ming-Chi Kuo

Apple is reportedly preparing to launch its first foldable smartphone in 2026, which is expected to start in late 2025. Analyst Ming-Chi Kuo suggests a 2026 debut. Interestingly, the device is expected to price around \$2,300, though the design and specifications are still under development.

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