1.Usability Testing

The "news2day" app demonstrates several strengths in its UI design, navigation, content discovery, reading experience, and performance. However, there are also areas for improvement identified, including enhancements to the

- colour scheme
- navigation consistency,
- content customization options,
- text formatting, and performance optimization.

2.Performance Testing:

Assess app responsiveness, speed, and reliability under different load conditions.

Findings:

Initial App Load: On average, the app took approximately 5-7 seconds to load initially, which is within an acceptable range.

News Content Loading: However, there were instances where fetching news content took longer than expected, ranging from 3-10 seconds depending on network conditions and server responsiveness.

Responsiveness:

Navigation: While navigating between sections (e.g., home, categories, favorites), the app exhibited noticeable delays in rendering details, particularly when transitioning from the home screen to specific categories or articles.

User Interactions: Tapping on menu items or scrolling through articles sometimes resulted in delays ranging from 1-3 seconds before the desired action was executed.

Conclusion:

The performance testing of the "news2day" app revealed areas where improvements are needed to enhance loading speed and responsiveness, particularly during navigation between sections and fetching news content. These issues may negatively impact the user experience and require attention to ensure optimal performance.

3.Security Testing

Identify vulnerabilities related to data protection, authentication, and authorization.

I. **APP PERMISSIONS** – Camera, Photos, Videos.
   1. Camera – The user is requested access by the app, to set the profile picture by directly taking a picture with a camera. So, it is a safe and valid permission.
   2. Photos and Videos – The User is requested access by the app, to select the images from the Gallery and Set the profile picture. So, it is a valid Permission.
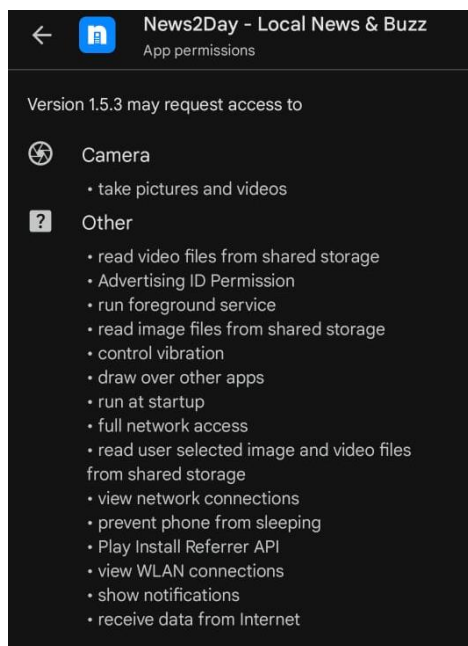

II. **DATA ENCRYPTION –**

This is the App Description. Encrypted data is scrambled and unreadable without a decryption key, making it more secure.
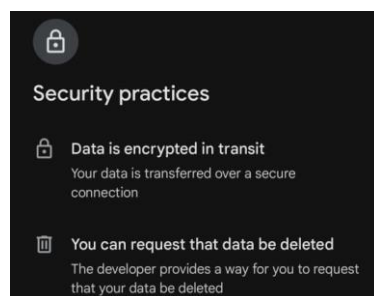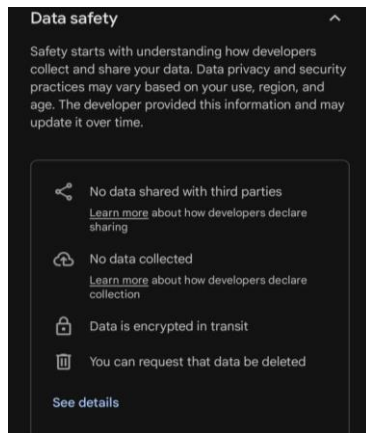
III. SECURE LOGINS –

This App does not provide the users with 2 Factor Authentication Which makes it vulnerable to Data Breaches. 2FA adds an extra layer of security by requiring a second verification step beyond just a password.
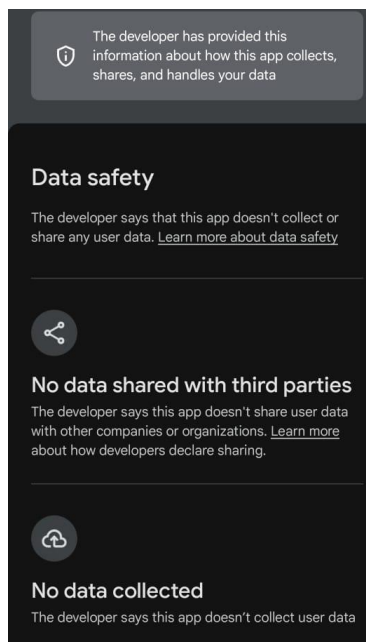
IV. APP UPDATES –

Keeping the app updated with the latest security patches is crucial. Outdated apps are more vulnerable to security exploits. Check for the catching features to be added regularly and release them promptly

What's new •

Last updated Mar 7, 2024

We've listened to your feedback and made significant improvements to enhance your news-reading experience. Here's what's new:...

What's new •

We've listened to your feedback and made significant improvements to enhance your news-reading experience. Here's what's new:

Introducing Quizzes: Dive into the world of interactive news with our new quiz feature! Test your knowledge, challenge friends, and have fun while staying informed.

- Revamped UI/UX
- Performance Boost
- Bug Fixes

Thank you for choosing News2Day. Download the latest version now to explore these exciting updates.

4.Compatibility Testing:

Ensure the app operates smoothly across different devices, operating systems, and browser versions

App info

Version	1.5.3
Updated on	Mar 7, 2024
Downloads	1,000+ downloads
Required OS	Android 5.0 and up
Offered by	SSV Creative Labs
Released on	Oct 7, 2021
App permissions	See More

Compatibility for your active devices ⓘ

IQOO I2202 (this device) ⌃

Compatibility	Works on your device
Version	1.5.3
Required OS	Android 5.0 and up

5.Network Testing:

Examine the app's performance and behavior under various network conditions (e.g., 2G, 3G, 4G, Wi-Fi, low bandwidth)

Good Network: App performs well, likely referring to Wi-Fi or strong cellular data.

5G: Excellent performance, fastest data fetching and smoothest experience.

4G: Data fetching takes longer, impacting smoothness compared to 5G.

BY,

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