**Project Design Phase**

**Solution Architecture**

|  |  |
| --- | --- |
| Date | 15 February 2025 |
| Team ID | SWTID1741257268149879 |
| Project Name | News app |
| Maximum Marks | 4 Marks |

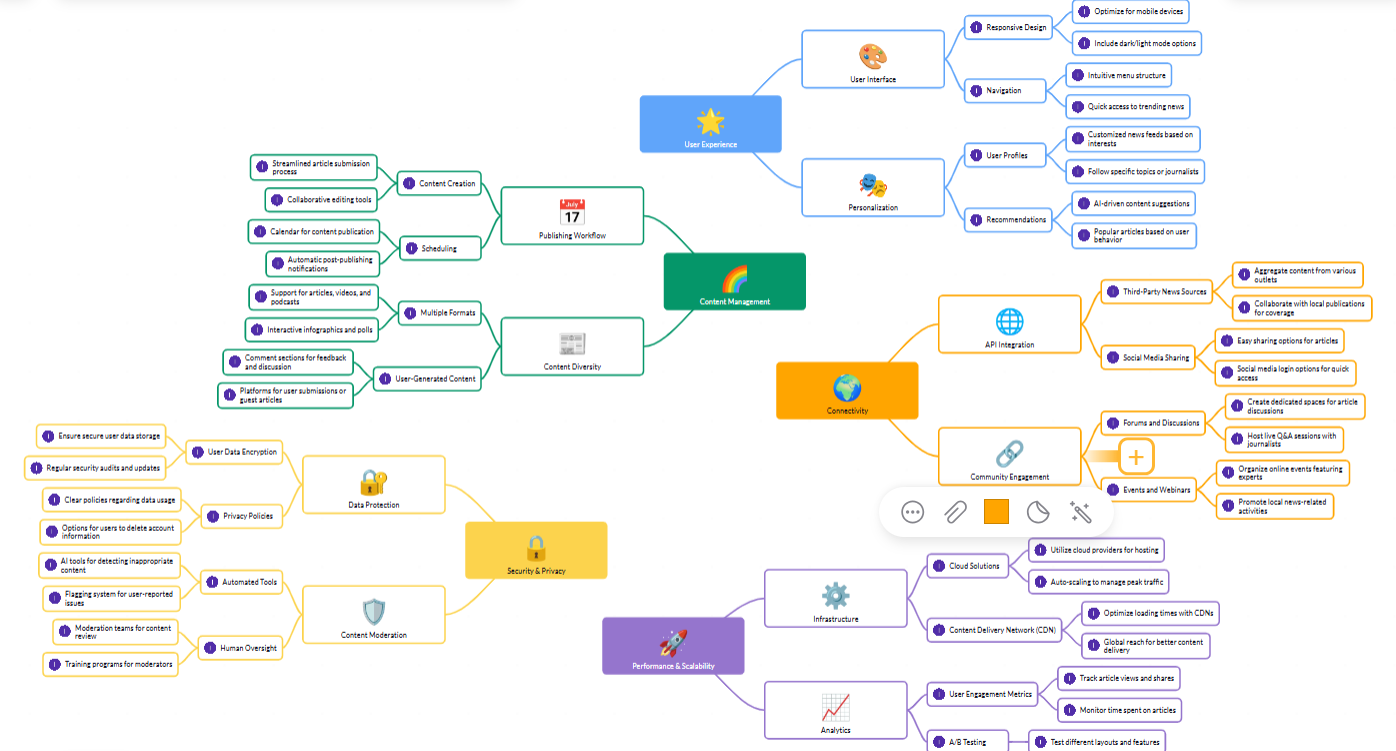
**Solution Architecture for News App**

The **News App** is designed to be a scalable, high-performance, and immersive platform that delivers **genuine news** from reliable sources while offering **personalized news feeds** based on user preferences. The architecture ensures **real-time updates, smooth content delivery, and cross-device synchronization** to maximize user engagement.

## **Key Architectural Considerations**

✅ **Scalability** – Supports high user traffic and API calls for real-time news updates.  
✅ **Performance Optimization** – Efficient data fetching and caching for a seamless experience.  
✅ **Personalization** – AI-driven recommendations for customized news feeds.  
✅ **Security & Compliance** – Ensures data privacy, authentication, and secure API integration.  
✅ **Cross-Platform Compatibility** – Supports web and mobile (React Native).

**Example - Solution Architecture Diagram:**

****