Prerequisite Document

**Title:** Online News App

# Problem Statement

Traditional methods of accessing news require users to visit multiple platforms or rely on physical newspapers, making it inconvenient to get timely updates in one place. There is a need for a comprehensive, user-friendly digital platform to browse, categorize, and save news efficiently.

# Description

The **News App** is built using **Flutter** and provides a streamlined experience for users to access news headlines, browse categorized news, and save articles for later. The app ensures smooth navigation and a simple, intuitive interface.

# Technology Stack

# Frontend: Flutter

# Database: Firestore (for storing user-related data like saved articles)

# Authentication: Firebase Authentication (for secure login/signup)

# Features

### User Authentication

* Secure login and logout using Firebase Authentication
* Email and password-based sign-up and login
* User profile display with email/name in the app bar

### News Browsing

* View latest news headlines with images and source links
* Categorized news sections: **India, World, Sports, Tech**
* Navigation for easy switching between categories

### Save for Later

* "Save for Later" button for bookmarking news articles
* Prompt login/signup for saving articles
* Saved articles stored in Firestore for authenticated users

# Conclusion

The **News App** provides a seamless platform for users to stay updated with categorized news and save articles for later reading. With Firebase Authentication and Firestore integration, the app ensures a personalized experience, making news consumption more efficient and accessible.