



NEWS APP

CPAD – Group 8

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FLUTTER

Flutter is by Google which is a mobile development SDK and it helps in cross-platform mobile applications.

It uses the language called Dart.

Major advantages of Flutter includes –

- Reactive Views.
- Improved Performance.
- Use of Widgets. In the world of Flutter – “Everything’s a Widget”.



FIREBASE AND GOOGLE SIGN-IN

Firebase is Google-backend application development software for web and mobile application.

It provides the cloud-hosted No-SQL database for the store and sync data in realtime, this is the Firebase Realtime Database.

Firebase also supports in Social Login for our application. Authenticate using Google is once such option where we can sign in to the application using our google account credentials. It also has Authentication using Facebook, Twitter, GitHub and login using username and password.



MAJOR FEATURES

The following are the features included in the App –

- Google Sign-In
- Read Later – User can save the articles.
- Categories – Explore NEWS based on categories.
- Search – Seek the articles for a particular topic.
- Custom – NEWS Feed are based on selected Sources.

TECH STACK

News API - Data source for News Tickets. It tracks and blogs the breaking news headlines across over a hundred top publications in near real-time.

Firebase - Firebase is used for the backend development - gives the tools to develop high quality apps.

Google Sign In - Secure authentication system for the users to sign in with their Google account.

Flutter Webview Plugin - Allows Flutter to communicate with native WebView. In our application it helps to navigate to the original article on the web.

Firebase Database - To store the list of saved articles and list of news sources.



THANK YOU