

Flutter Article Application

- This Flutter Application fetches and displays a list of articles from a public API and displays them in a searchable list, and allows users to mark favorites using Riverpod for state management.
- The application has two main screens: "All Articles" and "Favorites", accessible via a bottom navigation bar. Favorites are saved with SharedPreferences to persist across app restarts.

Features

- API integration
- Search functionality
- Favorites management with local storage
- Navigation between screens
- Clean, reusable, and scalable codebase using Riverpod State Management

Install Dependencies

- http, flutter_provider, flutter_riverpod, shared_preferences

Tech Stack

- Flutter SDK: Flutter 3.29.0
- State Management: Riverpod
- HTTP Client: http
- Persistence: shared_preferences

State Management Explanation

- articlesProvider is a type of FutureProvider<List<Article>> which fetches articles from an API.
- searchQueryProvider is a type of StateProvider<String> which holds the current search query and is used for filtering the list of articles.
- favoritesProvider is a StateNotifierProvider used to manage a list of favorites article IDs with persistent storage.

Known Issues / Limitations [List anything incomplete or improvable]

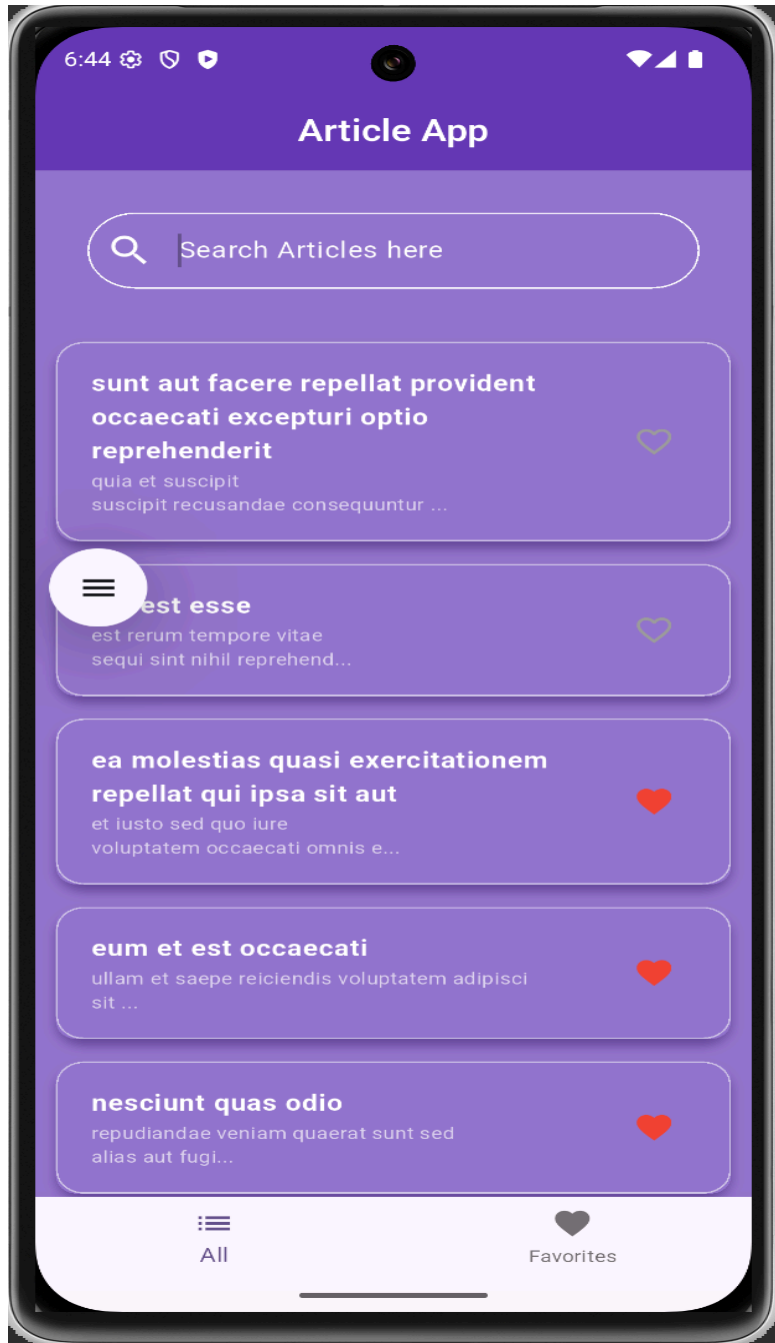
We can add categories and filter articles by category.

Add Theme mode feature which allows toggling between light/dark mode.

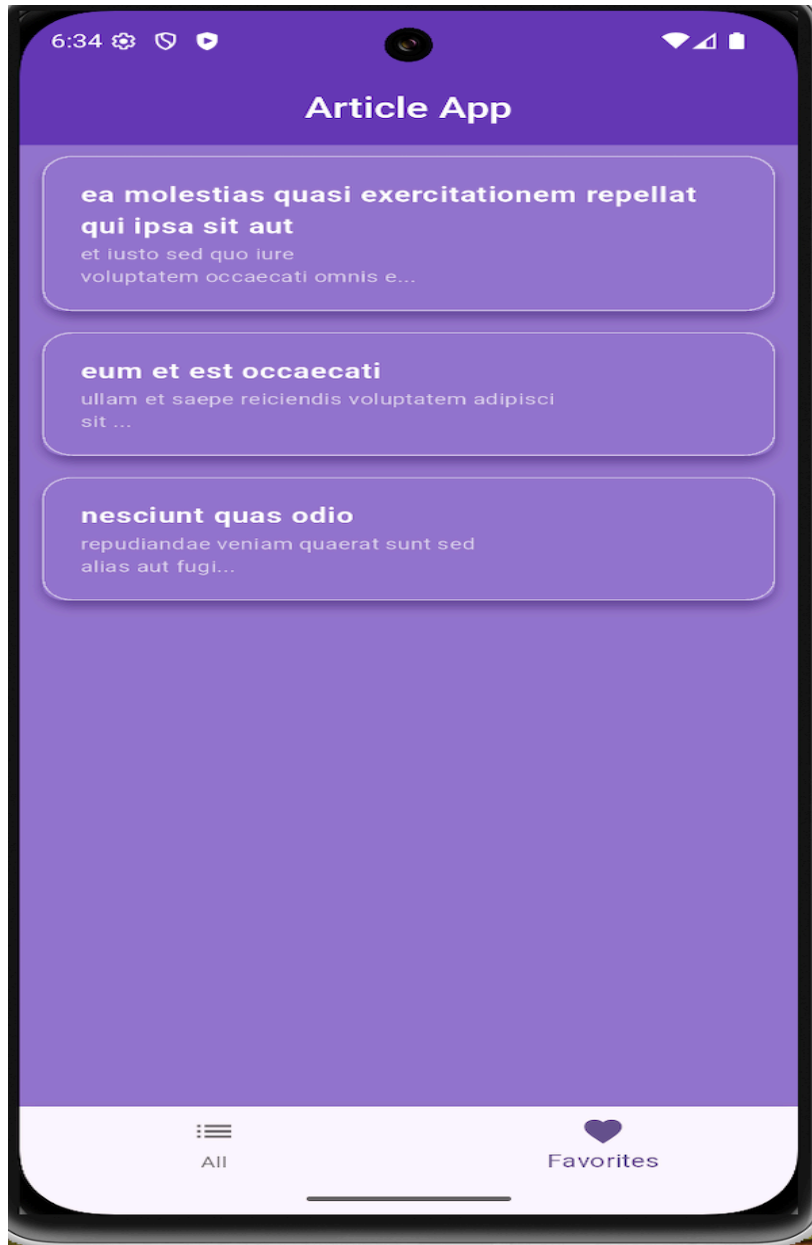
We can also add a share option which helps us to share articles via Gmail, WhatsApp, ect.

Screenshots

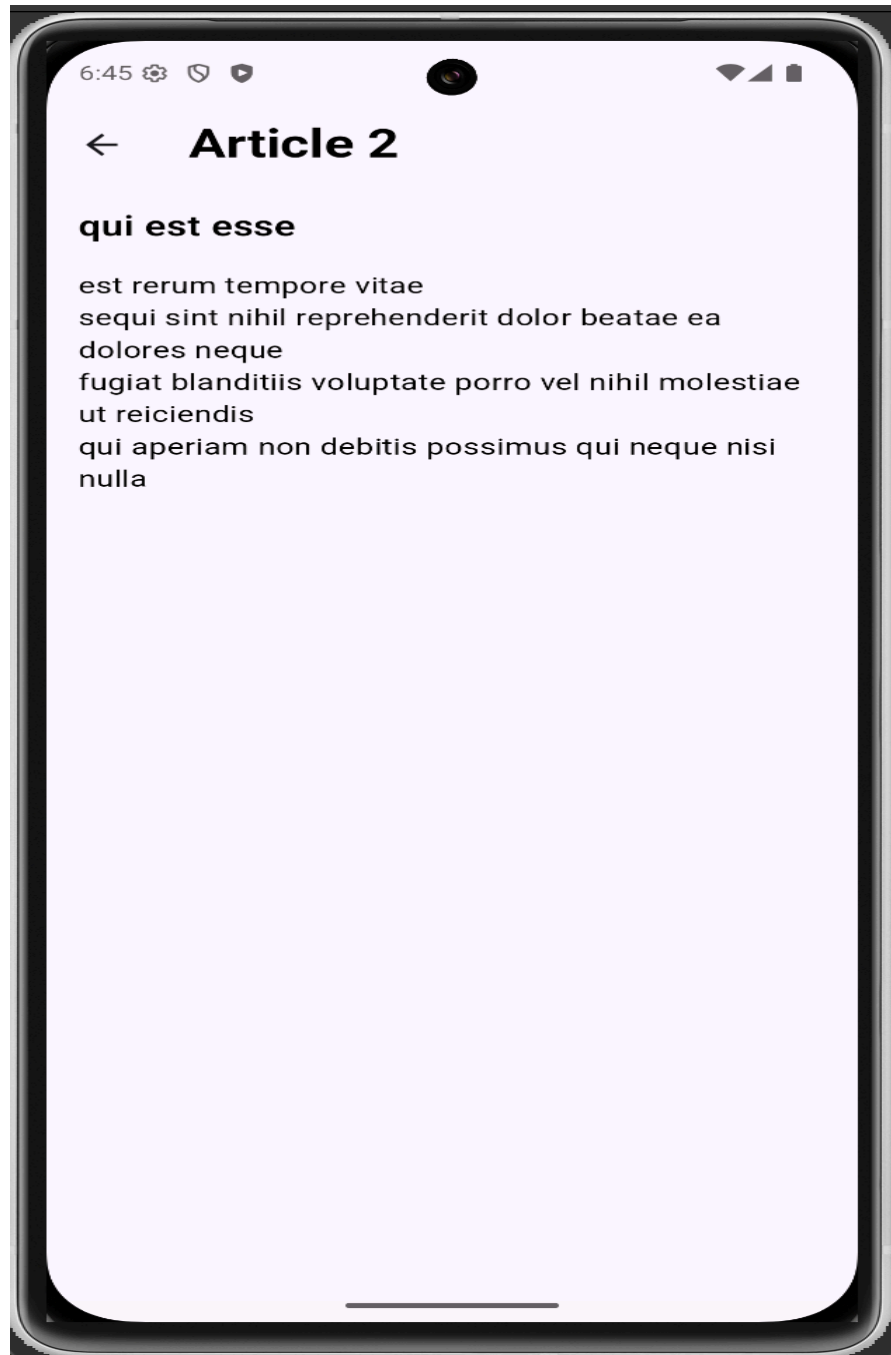
Home Screen



Favorite Screen



Details Screen



Search Field

