

Flutter News App

This Flutter application allows users to read the latest news articles from various sources. The app integrates with the [NewsAPI](https://newsapi.org/) to fetch real-time news data.

Features

- Browse news by country and category.
- Search for specific news articles.
- Toggle between light and dark themes.
- Pull-down refresh to update news.

How to Run

1. Clone Repository:

git clone https://github.com/your_username/news_app.git

2. Install Flutter:

- Ensure you have Flutter installed. If not, [install Flutter](https://flutter.dev/docs/get-started/install).

3. Install Dependencies:

- Run the following command in the project directory:

```
'''
```

```
flutter pub get
```

```
'''
```

4. Run the App:

- Connect a device or start an emulator.
- Run the following command to launch the app:

```
'''
```

```
flutter run
```

```
'''
```

Code Overview

- Folder Structure:
 - `lib/main.dart`: Main application logic.
 - `lib/constants.dart`: Contains constants and sample data.
- Key Code Files:
 - `lib/main.dart`: Implements the main app structure, UI, and functionality.
 - `lib/constants.dart`: Stores constant values.
- Configuration:
 - `apiKey`: Replace with your NewsAPI key in `lib/main.dart`.
- Dependencies:
 - `http: ^0.13.3`: HTTP client for making API requests.

Additional Information

- This app is part of an assignment to showcase Flutter skills and API integration.
- For detailed error handling, pagination, and caching, refer to the source code.

Feel free to explore the code and customize it as needed. If you have any questions or need further assistance, please let me know!