

# Top News App

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**Top News App** is a mobile application that can be used by everybody to stay up-to-date on daily news and headlines. The end user will be able to choose a new source from some predefined sources and the app will fetch and list the latest headlines from an API. Also, the users will get the details of a specific headline by clicking on that headline.

**API:** News API (<https://newsapi.org/>) is a simple API that returns JSON metadata for headlines and articles live all over the web right now.

## App Logic:

- A class that extends `AsyncTask` will be used to fetch the data from the API in the background using `doInBackground`.
- A class will be created to handle the initiation of the HTTPS requests to the API and downloading the JSON response.
- A data model class will be created to maintain the news headlines data.
- The Glide media management and image loading framework will be used to load images from URLs into the headline activity (2<sup>nd</sup> activity).
- A function will be created to check and handle the internet connection status. Also, it will display a proper error message.

**Screenshots:** the app will load the headlines based on the default source.

1. The user can change the news source from a dropdown menu and the list will be updated accordingly.

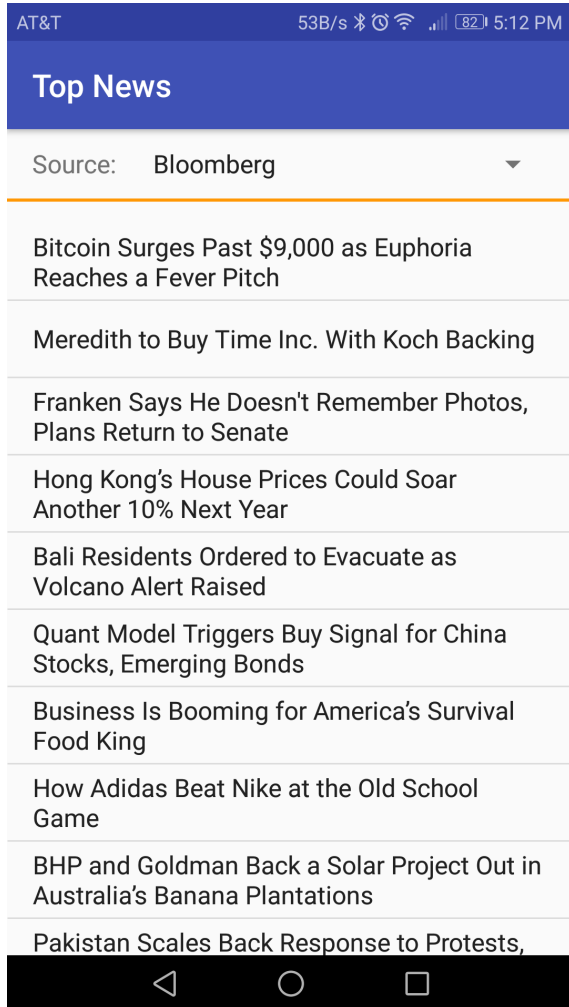


Figure 1: Bloomberg Headlines

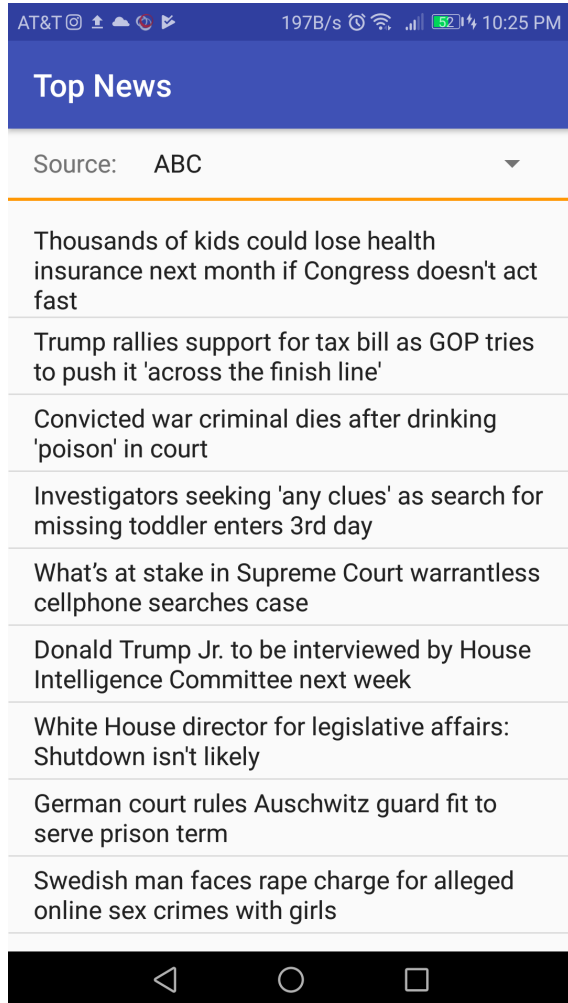


Figure 2: ABC Headlines

2. The user can click a specific headline to get more details.

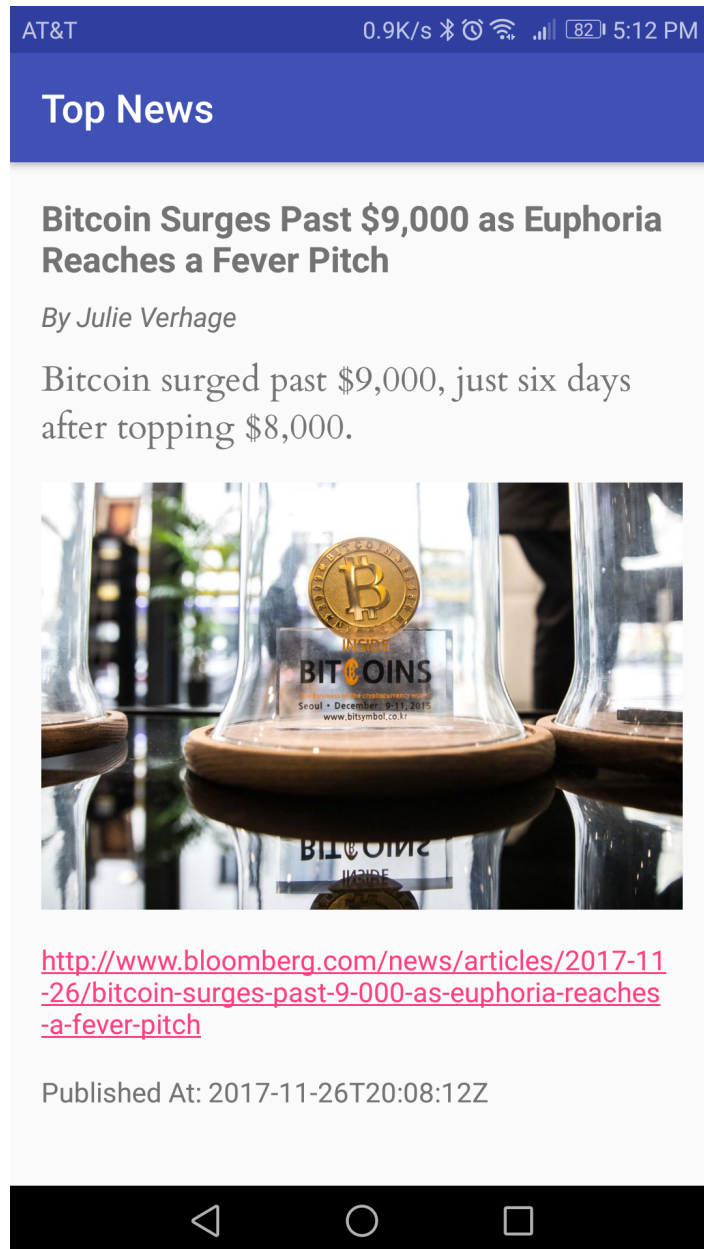


Figure 3: Headline details example



Figure 4: Headline details example

**App Icon:**

