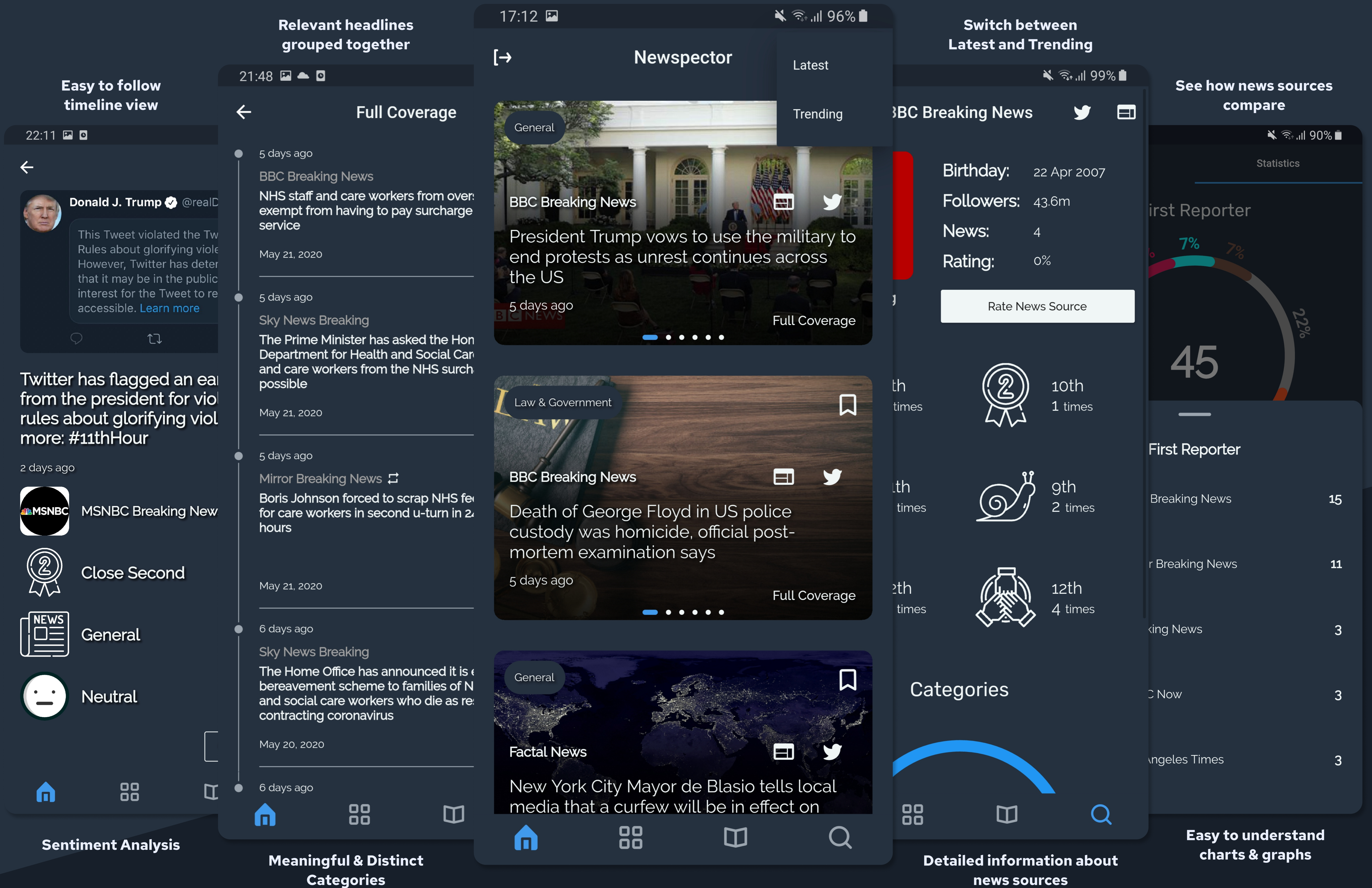


# Following the **breaking** news should not be this hard. We are here to **change** that.

An application to follow the **breaking** news without the **hassle**.



## The Problem

The news is one of the most important parts of anyone's life as it is a medium for people to learn about the latest developments all around the world. This important role of news in the world leads to various news companies to be founded, thus creating a great rivalry between these sources on being the fastest and the most reliable one among all to deliver news to society.

This rivalry between the news sources causes some issues. Firstly, the news is being spread by various sources extremely fast that it becomes difficult to distinguish the news that is important from irrelevant news or spam. Because of this people spend plenty of their time searching news stories about a specific subject that concerns them. Secondly, there is not an easy way for people to follow important breaking news stories in chronological order. Finally, it is difficult to observe, analyze, and compare news sources.

The lack of a simple, easy to use platform that displays the most important breaking news without clutter is the main problem that we aim to solve.

## Our Solution

Our solution is a simple, easy to use cross platform breaking news application called Newspector. Newspector only displays the most important and latest breaking news without any clutter so that our users can reach the information they need without effort. We group relevant news stories from various sources to create a timeline that is intuitive and easy to follow. We also provide the option to follow news stories, so when an update happens, our users will be the first one to know. Additionally, we collect and store statistics about the news sources we use and present our findings to our users for them to compare different news sources with each other.

Everything about Newspector is automated, from information retrieval to natural language processing. We use the latest state of the art algorithms and tools for retrieval, processing, and presenting the news. All of our systems are run on the cloud and work 24/7 with minimal maintenance to provide continuous service to our users.

## Features

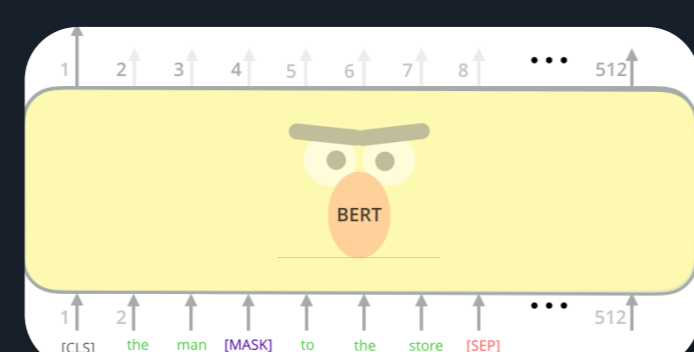
- Scroll through headlines that are displayed in meaningful newsgroups.
- Switch between the latest and trending news.
- Look at newsgroups in a specific category.
- Follow events that you are interested in and get a notification when an update happens.
- Look at the full coverage of a news story.
- Get detailed information about news stories and news sources.
- Continue reading from twitter or news source's website without leaving the app.
- Compare various news sources.
- Give your opinion about news stories and news sources.

### Information Retrieval



We collect the latest news headlines from Twitter using a powerful Twitter scraper called TWINT.

### NLP



We use a custom state of the art document embedding algorithm created using BERT and tf-idf.

### Frontend



We use Flutter to deploy our frontend application to every platform using a single codebase.

### Cloud



We use Google's Firebase to store and serve our data to all of our users worldwide. We can provide realtime service to millions of users all around the globe.