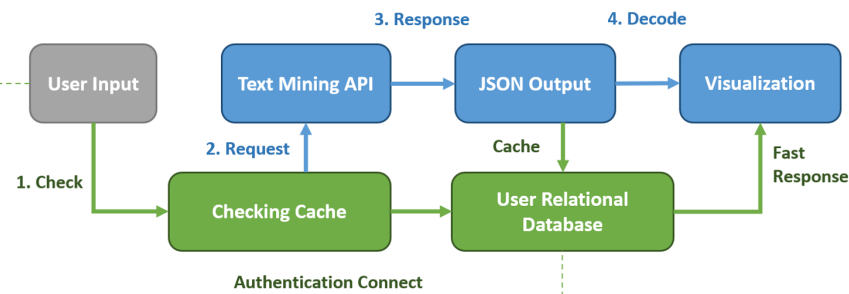


## Methodology



## Background

**Time Consuming**  
Information Explosion  
make people confused

**Boring News**  
Text is not attractive  
And interesting

**Social Media**  
Prefer Using Instagram  
than newspaper

## Purpose



**Read Fast on**  
News Content



**Express Your**  
Opinions

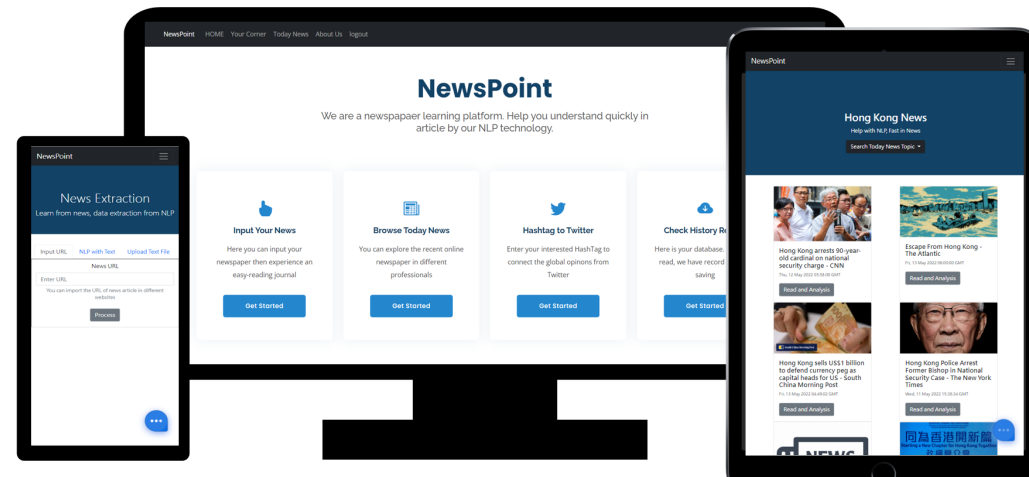


**Adopt NLP**  
in newspaper



**Deep**  
Understanding

## Implementation



### News Input Module

- User can upload their news by URL Import, Text Input, File Import
- Our system also has daily web scraping of the current fresh news
- Database saves your daily record



### Text Mining Module

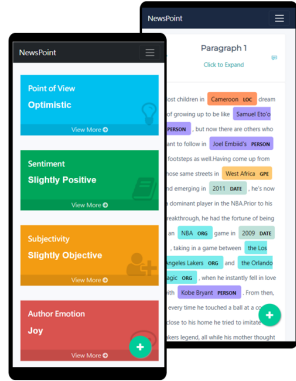
- Extractive and Abstractive Summary
- News Sentiment and Author Emotion Analysis
- Word Recognition and Hashtag Finder
- Twitter Opinions Analysis



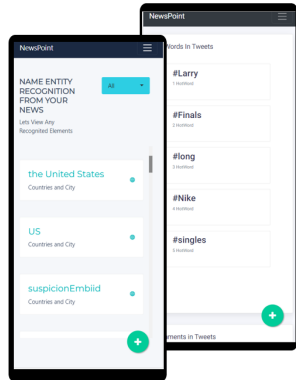
### Visualization Module

- News Dashboard for applying text mining
- Twitter Dashboard for viewing Tweets Analysis
- Responsive UX/UI design

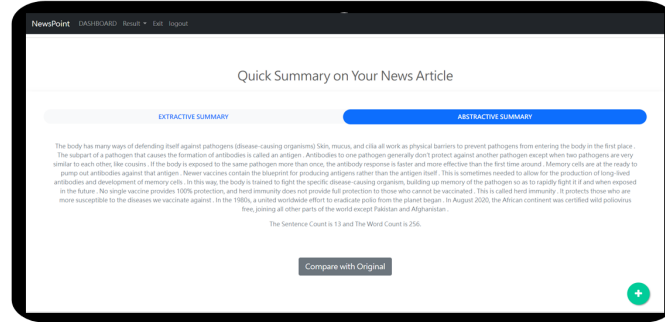
## Main Features



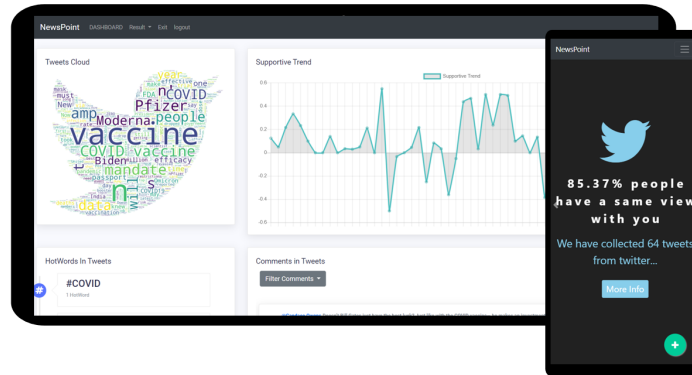
Find Out Author Emotion  
Highlight Importance



Find Out Relative Topic for  
Continuous Exploration

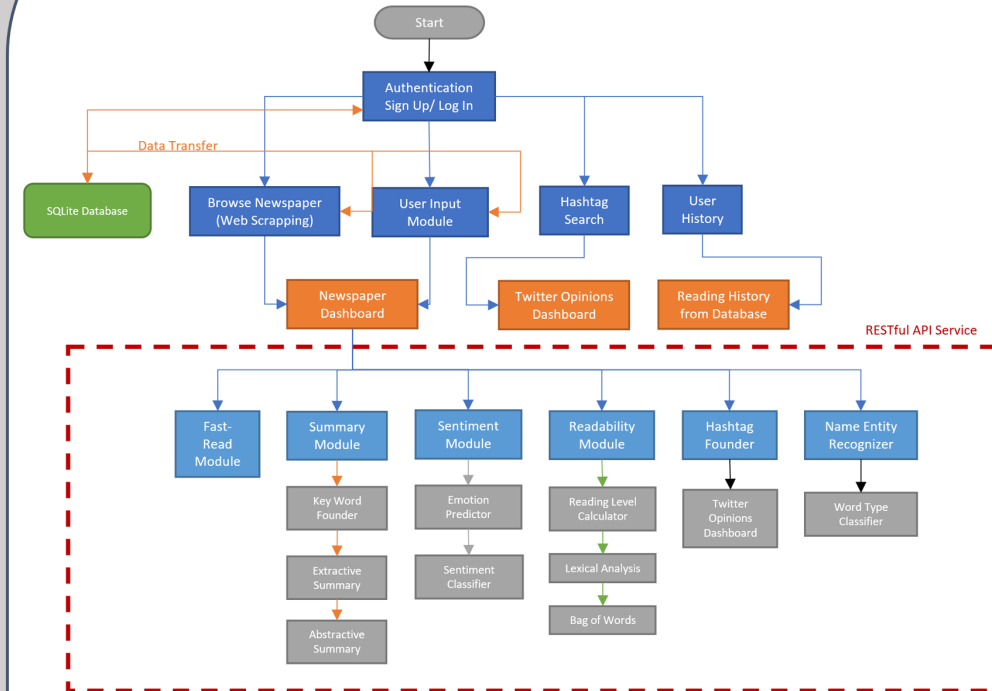


Extractive and Abstractive  
News Summary



Analysis of the Opinions Help  
you find out the liked-mind idea

## System Infrastructure



- Our Platform is developed in client-and-server architecture, separating in frontend and backend design
- The client side is to handle the user input and user-oriented visualization
- The server side is designed with RESTful API activating the text mining and NLP engines