

## MCI project Final Milestone Plan

Team: #23

Project Title: News Tone

Milestone	Activities	Projected Outputs
Define the final milestone to be completed by end of week 12	List activities required to achieve milestone	Define projected outputs from your work plan
Complete the title crawler and crawl titles of the website (ews.com.au) from 2010 to 2019. Apply Sentiment Analysis to the crawled titles and analyze the outputs. Finally, display the analysis outputs on a dashboard.	Extend Prototype Crawler to Crawl Titles in past 10 years	At the end of milestone 1, we got a prototype crawler which can only crawl news titles in the past 1 month. Now we will extend the prototype crawler to a more powerful one which could crawl news titles in the past 10 years.
	Crawl Titles for 2019 as 1-year Raw Data	At first, we only crawl news titles for 2019 as 1-year raw data and later we will use this raw data to test the Sentiment Analysis Framework.
	Searching for Suitable Sentiment Analysis (SA)Framework and Adjust it to fit the Project	As same.
	Apply Sentiment Analysis to the 1-year Raw Data	As same.
	Adjust the SA Framework according to the Analysis Outputs	We will analyse the outputs of sentiment analysis for the 1-year raw data. Accordingly, we will determine whether the Sentiment Analysis Framework is good enough or not. If not, we will modify it and adjust it to fit our project.
	Crawl Titles from 2010 to 2019 as 10-year Raw Data	As same.
	Apply Sentiment Analysis to the 10-year Raw Data	As long as the Sentiment Analysis Framework works well, we can apply it to the 10-year raw data and get the analysing outputs.
	Organise the Outputs of Sentiment Analysis	Organise the Outputs of Sentiment Analysis so that we can easily display them on a dashboard.
	Create a Dashboard to Display the Outputs of Sentiment Analysis	We may search for an existing tool to display our Sentiment Analysis outputs or just build one ourselves.
	System Testing	After we build all components, we can test them integrally.

**We also upgraded the project timetable which will clearly specify our final milestone plan. Please check it below.**

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