

## CS 410 Project Progress Report

### 1) Which tasks have been completed?

The google chrome extension can now run locally. I've also implemented being able to censor selected text with a solid block of color. Text censoring now works for selected text across multiple different frontend dom components. I've also implemented a minimal UI for the extension, where users can click a button to initiate the process to detect sentiment and censor.

### 2) Which tasks are pending?

Still need to fully implement and fully test sentiment analysis from selected text. Still need to revamp censor UI as well as the google extension UI to better represent what text the user has selected. Still need to perform testing to ensure censoring works on different web page formats.

### 3) Are you facing any challenges?

Censoring text across different DOM components is tricky as text can be embedded in different ways, and there doesn't seem to be a perfect solution to only censoring the text itself. Currently I am using an approach that measures the maximum dimension across all selected components, and overlapping a span with elevated z axis across them. This seems to work fine, however, it may cover up more than just the text itself.