Progress Report

Team: TBD
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Q: Which tasks have been completed?

For the project, I want to implement a Chrome extension that analyzes Reddit comment sentiments on the fly and displays a "positivity score" next to it. The sentiment analysis would be done using a pre-trained sentiment analyzer VADER[1]. The plan is to use the Chrome extension as a client to a Python server that runs VADER, or run VADER directly in the browser if I can find a JavaScript port of VADER.

I have found a JavaScript port[2] of VADER and a way[3] to bundle a NPM module into a browser-runnable script. I also have the skeleton code for a Chrome extension ready. The extension in its current form can already extract comment texts from a Reddit page, score them on the fly, and insert the scores back into the page HTML.

Q: Which tasks are pending?

The score is currently inserted back into the HTML in hidden elements and not displayed. I need to find a sensible way to display the score next to the comments so that they are noticeable but not out of place.

I also haven't implemented a way to toggle on and off the extension.

Q: Are you facing any challenges?

The biggest challenge is still to learn and understand how Chrome extensions work. I have not yet started working on the on-and-off toggle and it may well be a lot more difficult to implement than it sounds.

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[1] vaderSentiment - https://github.com/cjhutto/vaderSentiment
[2] vaderSentiment-js - https://github.com/nimaeskandary/vaderSentiment-js
[3] Browserify - https://github.com/browserify/browserify-handbook#bundling-for-the-browser