Team Name / Number: Control+Alt+Delete, 112-5

Team Members: Kenny Schader, Rhett Hanscom, Michael Carter, Ryan Drew, Sebastian Sun

Application Name: Pulse

Application Description: Website which accepts a search term and then compiles the most relevant information from each major social media platform, giving the user a snapshot of current opinions on a given issue. Social media platforms searched will include Twitter, Reddit, Instagram, Facebook(?), News App of some kind, TikTok(?), Tumblr(?)

Vision Statement: For a marketing team or developer who uses social media for research, Pulse is a social media search engine which combines all major social media platforms to display top posts on an issue, determine approval ratings based on user posts, and provides analytics regarding recent trends such as the frequency the search term has appeared within the month last versus the months prior. Unlike traditional social media, our product will assess the popularity of any given search and display only the most pertinent information on a single page for the user.

Version Control: Git, using GitKraken Glo for project management. We'll have a main master branch which contains all of our production/working code, and a development branch which we'll use to test out features before they are put live.

Development Method: Our team has chosen to use the agile method of project management. We feel that this method works best with how we each operate, specifically we like that agile breaks a project into several stages, where continuous improvement and feedback occurs at every stage. Also, we feel that the visual nature of the kanban board will keep us aware of any ongoing issue and the overall progress of our work. All tasks will be assigned to a specific group member and added to the kanban board. Once a task has been completed, it will be vetted by the other team members before being allowed to be merged with the main product branch. As a group we would like to use the user stories method of creating tasks for our board. For our group GitHub project, we have established clear procedures for our pushes, pulls, and commits.

Communication Plan: The first thing we did was set up a GroupMe group for short term communication such as adjustments to meeting plans or broad ideas for the project. We'll be using GitKraken to set up a Kanban board to communicate our levels of progress on our respective parts of the project and managing the project overall. We'll be using GitHub for specific issue tracking as well as for reviewing code changes before they are committed.

Proposed Architecture Plan: A website which has frontend functionality for the user to query searches that communicates with a backend working with APIs such as Twitter, Facebook, Instagram, etc… In the backend we will use a database to save the queries (snapshots) so that users can share them with other users.

Meeting Plan: Tuesdays 10:00am, Fridays 2:00pm ECAE 172