WEB-SCRAPER - USER REQUIREMENTS

1.0 OVERVIEW AND SCOPE

The user requirements in this document address the user's need for a sustainable Tableau visual that will aid in highlighting the relationship between Reddit.com/r/Seattle posts (referred to as simply "posts" from here on out) and Seattle's weather. The user is assumed to have a basic knowledge of interacting with and modifying Tableau visuals. These visuals will aid in improving process monitoring and quality analysis inside the company.

The scope of this work is Tableau and a live connection or extract of an AWS database.

2.0 USER REQUIREMENT GROUP

2.1 Tableau Visuals

Tableau visuals will be created using the data queried from the Collector database. These visuals' data will then be categorized and aggregated. The Tableau dashboard will allow a user to do the following:

1. Aggregate posts and weather values. The user will be able to corelate the temperature, wind, and weather condition at the time of a post.
2. Specify the timeline. Dynamic timelines over the data's creation will be created.
3. Group posts by weather condition. The user will be able to see all posts corelated to a weather condition (e.g. cloudy, sunny, etc.).
4. Order posts by temperature. The user will be able to identify a post as "warmer" or "colder" based on its position of other posts in an ascending order.
5. See temperature as a color. The user will also be able to identify a post as "warmer" or "colder" based on it's color in relation to other posts.
6. Highlight a post for more context. The user will be able to bring up all available data on a post when highlighting it with the cursor.