Requirements Document

TODO:
- Requirements for each visualization
- Convert this to pdf to push to dev: /group_8_sprints

Metric Models:
- Starter Project Health
  https://chaoss.community/kb/metrics-model-starter-project-health/
- Funding https://chaoss.community/kb/metrics-model-funding/

Component	Priority	Requirement Name	Requirement Description	Visual
Starter metric health page	1	See component	The page that holds the visualizations for starter metric health models	Show all metric visualizations for the starter project health metrics. Use existing 8Knot formatting. Must be able to navigate to it from the navbar via a button with the name "Starter Project Health".
Funding page	1	See component	The page that holds the visualizations for the funding models	Show all metric visualizations for the funding metrics. Use existing 8Knot formatting. Must be able to navigate to it from the navbar via a button with the name "Funding".
Starter metric health/visualization	1	Time to first response	Determine the amount of time between when	Averaged metric, could be a bar graph or

			an activity was opened (e.g. Issue or Change Request) and when it received the first response from a human	different numbers.
Starter metric health/visualization	1	Change Request Closure Ratio	Measure the ratio between the total number of open change requests during a time period versus the total number of change requests closed in that same period.	One possible representation: Line chart to represent total pull requests vs. closed pull requests Another possible representation: Using "Review Efficiency Index" to show the ratio of closed to finished pull requests
Starter metric health/visualization	1	Bus Factor	Determine the smallest number of people that make 50% of contributions	Simple pie chart of commiters, highlighting the ones that make up the most commits.
Starter metric health/visualization	1	Release Frequency	Determine the frequency of project releases (including point releases with bug fixes)	Simple 1D graph using X's to represent releases
Funding/visualization	1	Contribution Attribution	This metric evaluates who	Use bar graphs to visualize the

			has worked on the project and specific project tasks and provides the attribution to project contributors and affiliated organizations.	affiliations of the contributors, sorting contributors based on if they are volunteering, sponsored, or a mix of both
Funding/visualization	1	Organizational Influence	Measure the influence of an overarching organization on a project.	Using a pie chart to represent the affiliations of each contributor and the organizations they work for
Funding/visualization	1	Types of contributions	Different types of contributions mean a healthier project, this metric counts those different types of contributions.	Bar graph of contributions mean. This includes different categories of contributions and their effectiveness over the years.
Funding/visualization	1	Labor Investment	Tracks monetary investments from an organization into a project's labor.	This visual would be a bar graph showing how much each project has received in total. The bars would then be split up into percentages with how much different organizations contributed

Funding/visualization	1	Organizational Diversity	Measure how many different organizations are involved in a project and how involved different organizations are.	Pie chart showing the percentage of "involvement" each organization has.