Title: Web Application

I will be able to access the tool using a web browser on my computer.

Acceptance Test:

Title: Cyclone DX

I will be able to input SBOMs which are in the Cyclone DX format.

Acceptance Test:

Title: SPDX

I will be able to input SBOMs which are in the SPDX format.

Acceptance Test:

Title: Visualize Component Tree

I will be given an interface to visualize the relationships of components in my inputted SBOM.

* Tree based

Acceptance Test:

Title: Summary Document

I will be shown a document which shows summary statistics about my SBOM with respect to licensing and security vulnerabilities.

* This includes a representation of the presence of different licenses in the form of ratios.

Acceptance Test:

Title: Download Summary Document

I will be able to download the summary document that was presented to me after inputting my SBOM file.

* PDF

Acceptance Test:

Title: Filter Results-Exclude

I will have the ability to filter out fields from the visualization of my SBOM by setting a list of properties to ignore before processing my SBOM file.

Acceptance Test:

Title: Filter Results-Include

I will have the ability to specify a set of properties I want to be included in my SBOM visualization before processing my SBOM file where the resulting SBOM visualization only includes the properties I specified.

Acceptance Test:

Title: Download SBOM Visualization

I will be able to download the SBOM visualization in its current state as a PDF.

* Button for printing the document as it is

Acceptance Test:

Title: Interactive Visualization

The visualization I receive after inputting my SBOM file will at first only be a brief description which I can expand upon by clicking on different nodes.

Acceptance Test:

Title: Expand Node Settings

I will be able to set how many levels will be revealed when I click on a node.

Acceptance Test:

Title: Peek Expansion

I will be able to easily revert to the previous state of the interactive visualization in case I recursively open a node and regret it’s too much at once.

* Button
* control/command + z

Acceptance Test:

Title: Licensing Restrictions Summary Document

I will be shown in the summary document a list of restrictions placed on my codebase based on the software licenses of its dependencies.

Acceptance Test:

Title: Summary Document License to Software links

I will be shown a list of which softwares corresponds to which licenses.

Acceptance Test:

Title: Security Vulnerabilities Summary Document

I will be given a list of known security vulnerabilities present in my codebase and which libraries they are present in.

Acceptance Test:

Title: Security Vulnerability Description

I will be able to see how a security vulnerability occurs, so I can determine if the way I use a given library will cause the vulnerability to be exploitable.

Acceptance Test:

Title: Security Vulnerability Visualization

As a user, I will be able to see a pie chart of the number and types of security vulnerabilities present in the software components of my inputted SBOM.

Title: Licensing Visualization

As a user, I will be able to see a pie chart of the distributions of licenses for components in my inputted SBOM.

Title: Find Specific Component From Name

As a user, I will be able to locate the position of a specific component of my SBOM in the visualization tree based off of the component name.