

**Product Name: UCSC GraalVM Data Visualization**

**Team Name: UCSC GraalVM**

**Release Name: Academi-Slug**

**Release Date: End Winter Quarter**

**Revision Number: v1.0**

**Revision Date: 3/13/20**

## **Project Release Plan Part 1: UCSC GraalVM**

### **High Level Goals:**

- Parse text file into JSON file
- Visualize JSON file using JavaScript
- Display in IDE

### **User Stories For Release:**

#### **Sprint 1**

- As a developer, I want to be able to get familiar with the codebase in order to effectively contribute code.
  - Story Points: 2
- As a data visualizer, I want to learn d3.js so that I can visualize the program's call graph.
  - Story Points: 2
- As a data visualizer, I want to have my call graph data recorded onto a JSON file so that it is javascript readable
  - Story Points: 3
- As a user, I want to visualize my call graph on a web application so my data opens in a separate window
  - Story Points: 3

#### **Sprint 2**

- As a Java developer, I want to visualize my call graph using D3.js so that I can visually trace my call stack with graphs.
  - Story Points: 5

#### **Sprint 3**

- As a java developer, I want to visually see my program's call graph through my IDE so I can easily debug any issues.
  - Story Points: 5

- As a java developer, I want to use a data visualization IDE extension of my call graph so that I can connect my program with the extension.
  - Story Points: 5

**Product Backlog:**

- Real-time update of call graph visualization