

**Product Name: ONI Code Visualization**

**Team Name: Team GraalVM UCSC**

**Sprint Completion Date: March 16, 2020**

## **Sprint Report #3:UCSC GraalVM**

### **Actions to Stop:**

- Starting work on tasks too close to the deadline.

### **Actions to Start:**

- Improve the organization of the github repository.

### **Actions to Continue:**

- Ask more questions
- Communicating with team members and our sponsor

### **Work Completed:**

User Story #1: As a developer, I want to be able to follow the call trace for a selected line.

Task 1: Figure out which library we could use to visualize the JSON (Time 1)

Task 2: Display the parent caller for the selected line (Time: 3)

User Story #2: As a developer, I want to see a hyperlink to my source code file so I can trace back my code.

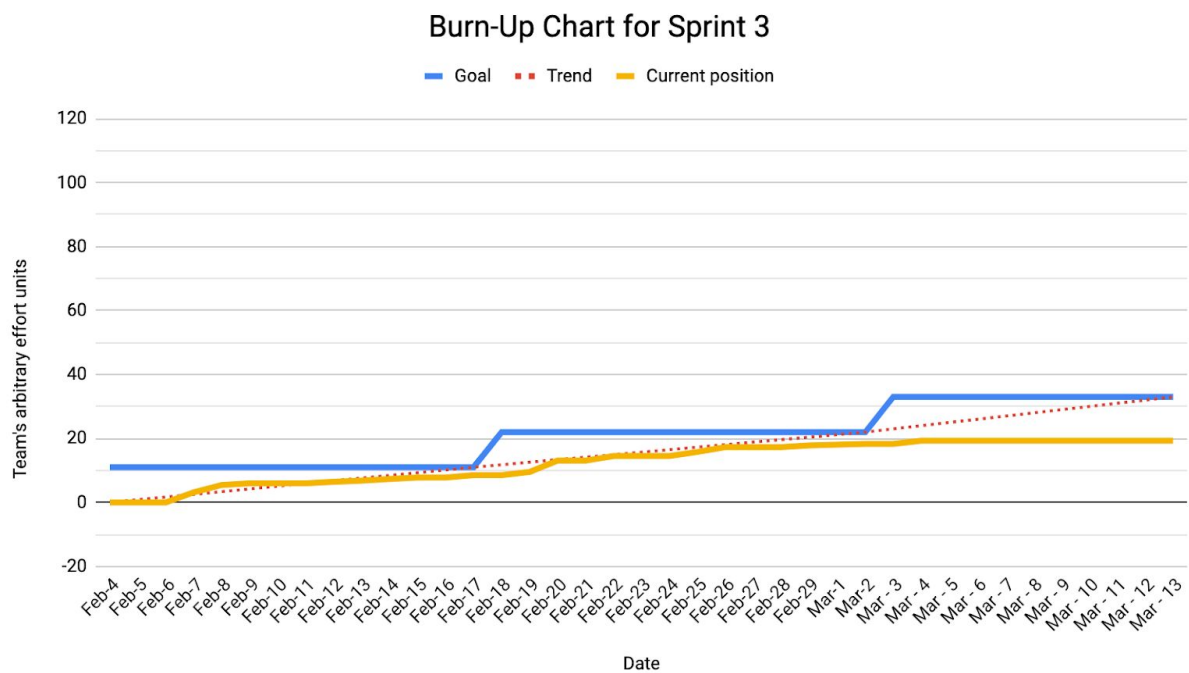
Task 1: Restrict plugin functionality to methods (Time: 2)

Task 2: Visualize Call trace from json file in side panel. (Time: 2)

## Work Completion Rate:

- Number of User Stories Completed: 2
- Ideal Arbitrary Effort Units: 8
- Number of Total Days: 11 days

## BurnUp Chart:



## Scrum Board:

The image shows a Scrum Board interface for a project named 'GraalVm'. The board is organized into three columns representing sprints: Sprint 1, Sprint 2, and Sprint 3. Each sprint contains a list of task cards. The cards are color-coded with green headers and include details like due dates and assignee tags (G, CT, M, T). The background of the board features a scenic image of snow-capped mountains.

**GraalVm** ☆ | GraalVm Free | Public | G CT M T | Invite

### Sprint 1

- Build code from graalvm on personal machine
- Get familiar with the static analysis report
- Run helloworld program and print out the call graph.
- Research how to create an intellij plugin using the dev kit  
🕒 Feb 17 | G T
- Be able to print something out to show that the plugin is working.  
🕒 Feb 17 | G T
- Understand GraalVM calltree code
- + Add another card

### Sprint 2

- Modify calltree trace so that it outputs into a JSON file rather than a .txt  
🕒 Mar 2 | CT M
- Retrieve source file name where function is defined.  
🕒 Mar 2 | G
- Retrieve line number where function is defined.  
🕒 Mar 2 | T
- + Add another card

### Sprint 3

- Figure out which library we could use to visualize the JSON.  
🕒 Mar 17 | CT M
- From the selected line, find it in the JSON file using the id  
🕒 Mar 17 | CT M
- Display the parent caller for the selected line  
🕒 Mar 17 | CT M
- Retrieve file name from Call Trace  
🕒 Mar 17 | G T
- Retrieve information from JSON file  
🕒 Mar 17
- Display Information from JSON on
- + Add another card