

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.

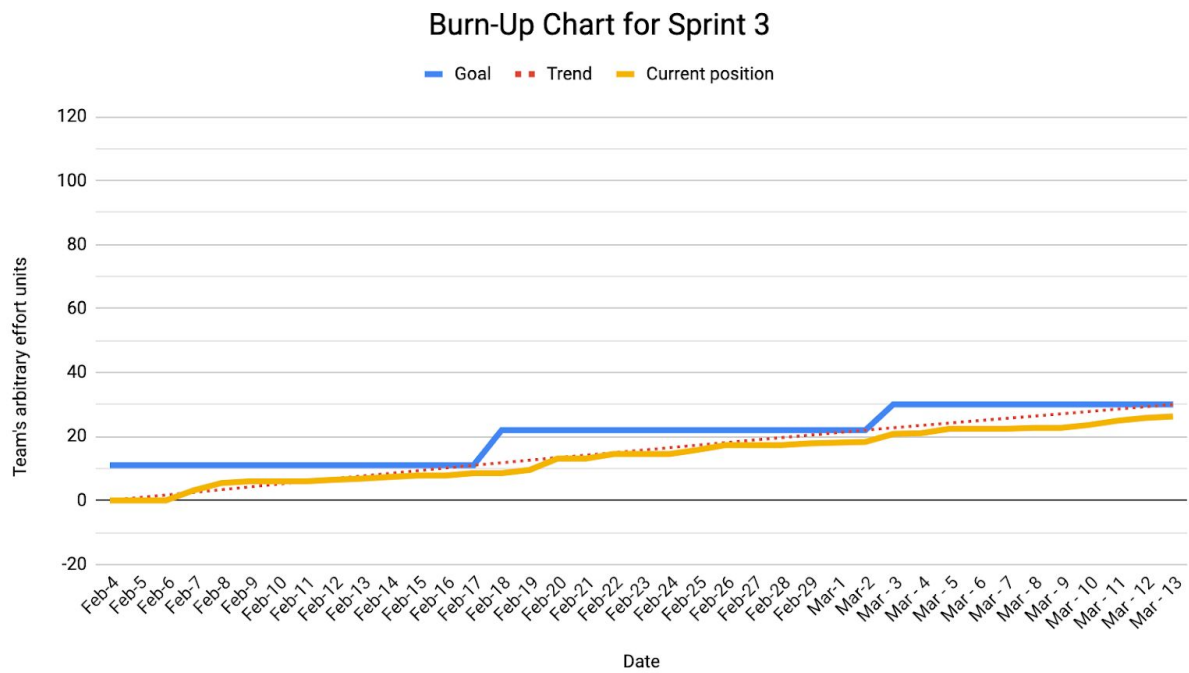
Task 1: Restrict plugin functionality to methods (Time: 2)

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 for the 'GraalVm' project. The board is divided into three columns representing Sprints 1, 2, and 3. Each sprint contains several task cards with descriptions, due dates, and assignee tags.

Board Header:

- Project: GraalVm
- Status: Free
- Visibility: Public
- Assignees: G, CT, M, T
- Action: 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 (Due: Feb 17, Assignees: G, T)
- Be able to print something out to show that the plugin is working. (Due: Feb 17, Assignees: G, T)
- Understand GraalVM calltree code

Sprint 2:

- Modify calltree trace so that it outputs into a JSON file rather than a .txt (Due: Mar 2, Assignees: CT, M)
- Retrieve source file name where function is defined. (Due: Mar 2, Assignee: G)
- Retrieve line number where function is defined. (Due: Mar 2, Assignee: T)

Sprint 3:

- Figure out which library we could use to visualize the JSON. (Due: Mar 17, Assignees: CT, M)
- From the selected line, find it in the JSON file using the id (Due: Mar 17, Assignees: CT, M)
- Display the parent caller for the selected line (Due: Mar 17, Assignees: CT, M)
- Retrieve file name from Call Trace (Due: Mar 17, Assignees: G, T)
- Retrieve information from JSON file (Due: Mar 17)
- Display Information from JSON on