

EE / CprE / SE 491 – sdmay20-43

Analysis of GitLab projects using BOA

Week 6 Report

10/23/2019 - 10/29/2019

Client: Simanta Mitra

Faculty Advisor: Simanta Mitra

Team Members

Diego Realpe - Team Leader | Test Engineer

Adrian Hamill - Test Engineer

Megan Miller - Test Engineer | Website Manager

Benjamin Carland - Test Engineer

Yi-Hsien Tan - Test Engineer | Organizer | Website Manager

Weekly Overview

This week we moved along with more exploring of the potential of the BOA language, we had initial runs of the code he hopes we can utilize as a base for our Senior Design final product. Some frustration happened on this period as it is an advanced problem which is foreign to the team's past experiences.

Past Week Accomplishment

Diego Realpe:

- Delegated work and organized team. Also kept in contact with Client and his feedback is great as he seems satisfied with the progress and commitment we put have forwards
- Helped set up pipeline, struggled with errors

Adrian Hamill:

- Set up the mac mini and attempted to install the pipeline based on the documentation provided by the graduate team, unable to do so and so instead I met with Yijia and finished set up.

Megan Miller:

- Worked with team to write Boa Presentation 1 - Level 0. It's a beginner's introduction to the boa language, covering its strong points and some simple syntax (e.g. variable creation). (Our client asked that we write some lectures to teach him the language so that we can better understand the language).

Benjamin Carland:

- Worked level 0 presentation. Researched and considered what the most fundamental Boa queries looked like and how the basic syntax works. Involved more experimentation with the language to determine what was the easiest to do.

Yi-Hsien Tan

- Worked with the Boa Language Expert sub-team to write Boa Presentation 1 - Level 0. It is a presentation requested by our client for him and for us to learn more about the language.

Individual Contribution

Team Member	Contribution	Weekly Hours	Total Hours
Diego Realpe	Meeting with Mitra about progress, reviewed and attempted to get grad code to work	7	38
Adrian Hamill	Set up and attended meeting with Yijia, worked on Server	8	42
Megan Miller	Boa presentation and boa background	7	46
Benjamin Carland	Boa Presentation Prep	8	39
Yi-Hsien Tan	Boa presentation preparation	7	47

Pending Issue

Meet with Sumon for more question regarding output aggregators, implementation of boa locally and calling external code (FindBugs) using Boa.

Plans for Coming Week

Data gatherer:

Boa language expert:

- Prepare for Boa Presentation 2 - Level 1.
- Learn about more complex Boa syntax like visitor/AST.