Weekly Report

Team Dec 15-12: @PaniniJ
Week 12: *Apr. 13th - Apr.*19th

Advisor	Dr. Rajan	
Client	Dr. Rajan	
Team Members	Dalton Mills	*Webmaster*
	David Johnston	*Team Lead*
	Trey Erenberger	*Key Concept Holder*

Weekly Summary

This week we extended our @PaniniJ prototype to fix a number of issues which were revealed by the `echo` example.

Technical Progress

- David: He resolved and identified some issues related to the project, in particular, related to duck generation. Take Issue #40, for example: in order to let a duck delegate to the package protected members of an encapsulated result object, certain kinds of ducks are now placed in the same package as the type they extend. Other issues include #39, #41, #42, and #43.
- Dalton: Made no technical progress this week besides uploading content to the group website.
- Trey: Made no technical progress this week.

Meetings

Weekly Administrative Meeting

Members Present: Dalton, David, Trey
Additional Participants:
Date & Location: Tuesday Apr. 14th; Molecular Biology
Minutes:

- Agenda:
    - paniniJ examples
    - Duck issues
    - Features/deliverables
- Start 3:00:
- Ducks have problems with complex return types
    - non-extendable types
    - ducks need to be in the package of the method they are generated from
    - names are very long and could easily be shortened
        - Hash the name
            - pro:short names
            - pro:consistent length
            - con:unreadable by user, hash requires some thought to implement correctly
        - Reduce simple types to 1 or 2 chars
            - pro:easy to implement + read by user
            - con; not as short as it could be
- What to work on in the remaining time of semester
    - Dalton thinks commenting and code quality improvement
    - Trey think beefin' up wiki with a article on converting paninij example to @paniniJ class
    - David wants to get ducks in the right package
    - postpone duck name shortening
    - postpone refactoring generation code
- Coursework
    - Have project plan/design doc in a somewhat finished state for final meeting with rajan.
    - David very busy, Trey & Dalton need to step up their game
- Make repo of 'Finished Product' that contains JAR of our main repo
    - Example for people to get a first look at @PaniniJ programming,
    - Wiki contains knowledge about using the jar.
- End: 3:45

Bi-Weekly Advisor Meeting

Members Present: Dalton, David, Trey
Additional Participants: Dr. Rajan
Date & Location: Friday April 3rd; Atanasoff 101
Minutes:

- No Meeting

Weekly Collaboration Meeting

Date & Location: Sunday April 19th; Google Hangouts
Members Present: Dalton, David, Trey
Additional Participants:
Minutes:

- Discussed issues highlighted from echo server/client example
  - ducks for java/javax classes throw security exception due to package protection
  - ducks that extend classes with public fields expose too much information
- Discussed example repository and what the wiki/readme will contain
  - detailed install instruction
  - simple and complex examples

Individual Hourly Contributions

Trey Erenberger	4 Hours
David Johnston	10 Hours
Dalton Mills	4 Hours

Cumulative Time Contribution

Trey Erenberger	106 Hours
David Johnston	135 Hours
Dalton Mills	106.5 Hours

Tentative Plans for Week 13

- David: Will be working with the rest of the team on finalizing the design and the project plan documents.
- Trey: Will be working on porting the GUIExample from panc to @PaniniJ
- Dalton: Will be creating a snapshot of the current project, it will go in it’s own repository. It will include an extensive readme on how to set it up and get @PaniniJ working, and also an example.