

Weekly Report

Team Dec 15-12

Week 8: Oct. 12th - Oct. 18th

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

Weekly Summary

This week we got a start on the end-user documentation. This documentation is going to be in the form of extensive javadocs on the package and classes which users interact with the most (org.paniniJ.lang). Work also continued on the static checks performed by `proc`.

Technical Progress

The following issues related to template checks were closed:

- #70 [Check that a CapsuleTemplate has a well-formed init\(\), if any](#)
- #86 [Check that a CapsuleTemplate Does Not Have a Type Parameter](#)
- #87 [Check that a capsule template is not abstract.](#)
- #85 [Check that no member of a template is `synchronized`](#)
- #61 [Active capsules must have zero procedures](#)
- #22 [Capsule procedures must be declared public](#)
- #66 [Check that active capsule contains valid run](#)
- #88 [Check that a capsule template contains zero or one valid design declarations](#)

Various “bad” test templates (i.e. templates which *should* fail some `proc` check) were added to test these new checks. JUnit tests ensure that `proc` fails when processing a test templates.

Also, minor problems in `examples` and `benchmarks` revealed by the new checks were fixed.

Work on standardizing javadoc format for both the package level overview as well as the class level definitions and usages. The format for the class level is established in lang.duck in that each class should have: 'user' details which explain what the annotation does and how it affects the actual runtime, any specific cases where the annotation should not be used, example of usage of annotation, notes on the internal specifics of the annotation, and any associated annotations with links to the class pages of those associated classes i.e. capsule, signature; duck, future, block.

Meetings

Weekly Advisor Meeting

Members Present: All

Additional Participants: Dr. Rajan

Date & Location: Wednesday 14 of October; Atanasoff 216

Minutes:

- We communicated to Dr. Rajan the handful of contributions we had made during Week 7.
- Dr. Rajan asked us about how we were performing the static checks (e.g. are we using the checker-framework).
- Dr. Rajan wanted to see us start on documentation.

Weekly Administrative Meeting

Members Present: All

Additional Participants: N/A

Date & Location: Saturday 17 of October; Google Hangouts

Minutes:

- Drafted last week's report (Week 7), because we forgot to do so last week.
- Discussed plans to draft @PaniniJ documentation and implement more checks.

Individual Contributions

Trey Erenberger

- Meetings Attended: All
- Code Written: Documentation for `org.paninij.lang.duck`, `future`, `block`

David Johnston

- Meetings Attended: All
- Topics Researched:
- Code Written: Implemented various new static template checks.
- Misc: Resolved and Closed Issues #70, #86, #87, #85, #61, #22, #66, and #88.

Dalton Mills

- Meetings Attended: All
- Code Written: Started documentation (javadoc) for `org.paninij.lang` package. Pair programmed with Trey on the weekend for more documentation.

Individual Hourly Contributions

Trey Erenberger	6 Hours
David Johnston	10 Hours
Dalton Mills	8 Hours

Tentative Plans for Week 9

David plans to continue work on the remaining static checks. Dalton and Trey will continue to work on documentation for the `paninij.lang` classes. Our goal is to have each method documented as well as drafting good examples for how each annotation is used.