# Weekly Report

#### Team Dec 15-12

Week 10: Oct 26th - Nov 1st

**Advisor** Dr. Rajan

Client Dr. Rajan

**Team Members** Dalton Mills Webmaster

David Johnston Team Lead

Trey Erenberger Key Concept Holder

Project @PaniniJ

### Weekly Summary

Work this week was primarily spent collaborating in preparation for our Senior Design presentation.

## **Technical Progress**

In addition to working on our presentation, we merged PR #107 with [master]. Since last week, we made some slight modifications to the annotation processor so that template and signature check failures are handled elegantly in by CLI javac and Java IDEs, including Eclipse and NetBeans. (See below for pictures.)

```
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🛃 GreeterTemplate.java 🔀
▶ 🔂 EclipseBuiltExamples ▶ 🥵 src ▶ 🚜 org.paninij.examples.helloworld ▶ 🔬 GreeterTemplate ▶
   package org.paninij.examples.helloworld;
  import org.paninij.lang.Block;
   @Capsule
   class GreeterTemplate extends DummyClass
          `org.paninij.examples.helloworld.GreeterTemplate` extends `org.paninij.examples.helloworld.DummyClass`.
       @I
       void init() {
           message = new String("Hello World!");
       @Future
       public long greet(boolean draw) {
           s.write(new String("Panini: " + message));
           long time = System.currentTimeMillis();
```

Figure 1. @PaniniJ Annotation Processor Check Failure in Eclipse Mars

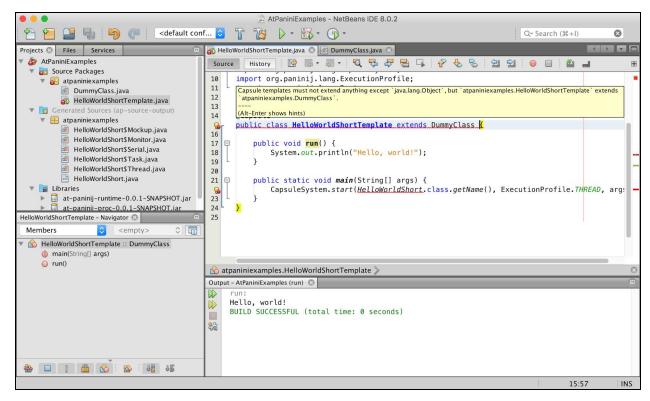


Figure 2. @PaniniJ Annotation Processor Check Failure in NetBeans 8.0.2.

## Meetings

We met as a team on Wednesday on hangouts to discuss the upcoming presentation and also some outstanding issues for the release. During this meeting be reviewed last semester's presentation and outlined our presentation for this year by identifying technical challenges and key talking points.

We met again on Thursday to begin the changes to our presentation based on the outline that we came up with on Wednesday.

We also met on Saturday to finish up the presentation content but ended up getting sidetracked with a pull request regarding static checks. When testing the PR, we found that eclipse would report and display errors from the annotation processor by using an alternate method.

We last met on Sunday to wrap up the presentation content and finish the weekly report.

Throughout the week we also developed several design diagrams which will be used in the final report and in the presentation.

### Individual Contributions

#### **Trey Erenberger**

- Meetings Attended: All
- Misc:

#### **David Johnston**

- Meetings Attended: All
- Topics Researched:
- Code Written:

#### **Dalton Mills**

- Meetings Attended: All
- Misc:

# **Individual Hourly Contributions**

**Trey Erenberger** 10 Hours

**David Johnston** 9 Hours

**Dalton Mills** 10 Hours

### Tentative Plans for Week 11

Give presentation. Continue javadoc documentation. Continue closing minor issues which are part of the  $\underline{\text{v0.1.0-release milestone}}$ .