

# Weekly Report

**Team Dec 15-12: @PaniniJ**

**Week 7: Mar. 2<sup>nd</sup> - Mar. 8<sup>th</sup>**

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<b>Advisor</b>	Dr. Rajan	
<b>Client</b>	Dr. Rajan	
<b>Team Members</b>	Dalton Mills	<i>Webmaster</i>
	David Johnston	<i>Team Lead</i>
	Kristin Clemens	<i>Communication Lead</i>
	Trey Erenberger	<i>Key Concept Holder</i>

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## Weekly Summary

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Our primary focus this week was to implement the modules which we had been planning in the preceding weeks. These modules include duck future generation, signature generation, and capsule interface generation. We were successful in implementing these features and merging them into the master branch. During this process we also identified additional edge cases which our system will need to support.

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## Technical Progress

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- Dalton created hooks into the annotation processor for generating signature interfaces and capsule interfaces which extend the signatures. There is still a lot of type checking to be done, but this is planned for later stages.
- Trey worked with David to revise the expected generated source for ducks from panini and later in the week implemented the duck generation classes for “normal” and “void” type ducks for the “thread” capsule profile. This includes the superclasses that will be used for other types of ducks and capsule threading profiles. Also included are test cases for different types of duck shapes. These changes have been pulled into the master branch.
- David worked with Trey on both revising expected generated source for ducks and implementing duck generation code. Much of this time was spent pair programming.

David also spent time merging the work from the duck-generation and capsule-generation branches into master.

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## Meetings

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### Weekly Administrative Meeting

**Members Present:** All

**Additional Participants:** N/A

**Date & Location:** Tuesday 24 of February; Molecular Biology 1414

**Minutes:**

- start: 3:00
- Agenda:
  - progress reports on tasks
  - discussion of design document inclusions
  - creation of wiki article about setting up project
- end: 3:25

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### Bi-Weekly Advisor Meeting

**Members Present:** None

**Additional Participants:** Dr. Rajan

**Date & Location:** Friday 27 of February; Atanasoff 101

**Minutes:**

- Dr. Rajan was not able to meet this week

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### Weekly Collaboration Meeting

**Date & Location:** Sunday 1 of March; Google Hangouts

**Members Present:** All

**Additional Participants:**

**Minutes:**

- During this meeting we spent time coding and merging our work together.

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## Individual Hourly Contributions

<b>Trey Erenberger</b>	21 Hours
<b>David Johnston</b>	18 Hours
<b>Kristin Clemens</b>	3 Hours
<b>Dalton Mills</b>	12 Hours

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## Culumulative Time Contribution

<b>Trey Erenberger</b>	71 Hours
<b>David Johnston</b>	83 Hours
<b>Kristin Clemens</b>	42.5 Hours
<b>Dalton Mills</b>	60.5 Hours

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## Tentative Plans for Week 8

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David, Trey, and Dalton are going to be working together to implement capsule generation code (in the `MakeCapsule$Thread` class) which is able to create basic but complete capsule. There will be many simplifying assumptions to make this initial capsule-generation prototype work.

Kristin will be working on designing tests.