

Team Members:

Tommy Galletta (<u>tgalletta2022@my.fit.edu</u>) Alexander Lockard (<u>alockard2022@my.fit.edu</u>)

Faculty Advisor/Client:

Dr. Stansifer (<u>ryan@fit.edu</u>) Florida Institute of Technology, Department of Computer Science

Current Milestone Progress Matrix:

Task	Completion %	Tommy Xander		Todo	
Continue writing documentation and host it on project website	80%	75%	25%	Documentation must be maintained	
GUI-based syntax specification tool	30%	10%	90%	Build out syntax specification GUI, and finish up the execution window.	
Debug / clean currently implemented systems	90%	75%	25%	Maintain project structure, continuing testing for bugs	
Additional ease of use features	50%	75%	25%	Additional defaults and debug options	

Task Discussion

Continue writing documentation and host it on project website

- Documentation has successfully been moved to the project website, with a navigable table of contents with expandable and collapsible sections.
- Documentation has been written for existing features, but must be maintained and updated as features are implemented.
- The documentation will be structured in a way such that the sections of the documentation will be listed on the left side of the webpage, with subsections accessible via dropdown menus on a per-section basis.

GUI-based syntax specification tool

- The main executable form has been created.
- Source code has been broken into separate repositories which import the main GLASS functionality as a Maven dependency.

Debug / clean currently implemented systems

- Mavenization of both main repositories to be imported as dependencies into other projects.
- Main GLASS functionality has been implemented into a single API for ease of use.
- Additional debug outputs have been implemented with varying verbosity levels.

Additional ease of use features

- Improved system for logging debug messages.
- Added systems in preparation for script interpretation.

Team Member Contributions:

Tommy Galletta:

- Moved documentation to project website
- Wrote documentation page such that it can be easily updated

Alexander Lockard:

- Mavenized the main project and GUI project.
- Broke out GUI project into a separate repository.

Milestone 5 Plan:

Task	Tommy	Xander		
Implement GUI for main system interactions	20%	80%		
Implement script interpretation system	80%	20%		
Update and extend documentation on website as appropriate	35%	65%		
Create presentation poster	65%	35%		

Discussion of Planned Tasks:

Implement GUI for main system interactions

- Implement a basic GUI for interacting with the GLASS system itself (selecting syntax definition, source code, and interpretation script files)

Implement script interpretation system

- Implement a system to read, parse, and process a user-defined script to be applied to a parse tree. The actions defined in the script should be executed at the appropriate time during the traversal of the parse tree

Update and extend documentation on website as appropriate

- Update and extend documentation on website as appropriate

Create presentation poster

- Creating a presentation poster following the template provided

Client Feedback on Current Milestone:

- See Faculty Advisor Feedback below

Milestone Three Faculty Advisor/Client Meeting Dates:

- September 20th
- September 29th

Faculty Advisor Feedback:

- Workflow of GLASS should be compared to the workflows of other tools.
- Some research into attribute grammars could be useful as both a point of comparison and as a way to consider implementing our interpretation.
- Think about how you are going to demonstrate the tool / assess if the tool can accomplish your goals.

Faculty Advisor Signature:	Date:	

Evaluation by Faculty Advisor

Please detach and return this page to Dr. Chan (HC 209) or email the scores to pkc@cs.fit.edu

TG = Tommy Galletta AL = Alexander Lockard

TG	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
AL	0	1	2	3	4	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10

Faculty Advisor Signature: _____ Date: _____