GLASS

Milestone Four Progress Report

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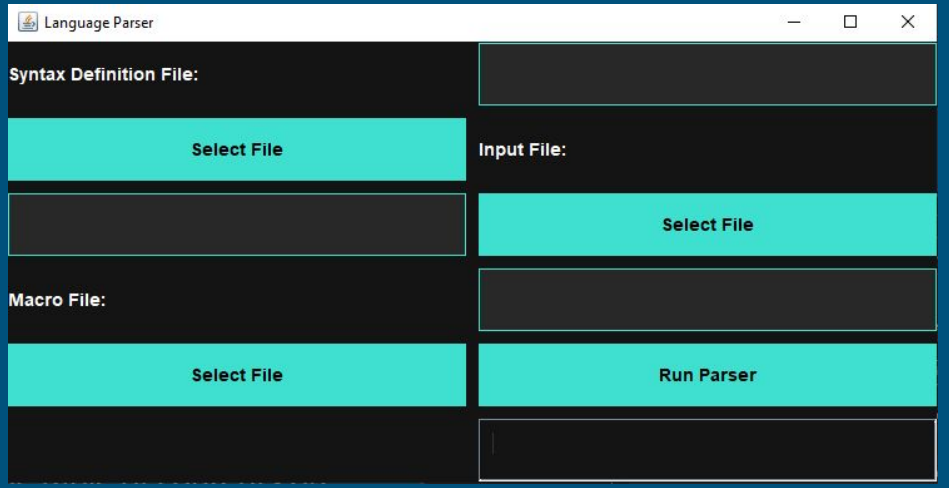
Milestone Four Task Matrix

Task	Completion %	Tommy	Xander	Todo
Continue writing documentation and host it on project website	80%	80%	0%	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

GUI

- Approach for GUI is being handled in a reverse order, first handling the basic GUI for file input, then later developing GUI for building syntax definitions



**Subject to change*

Task Discussion

Debug / clean currently implemented systems

- Project has been Maven-ized
- Main GLASS functionality has been implemented into a single API for ease of use
- Additional debug outputs have been implemented with varying verbosity levels

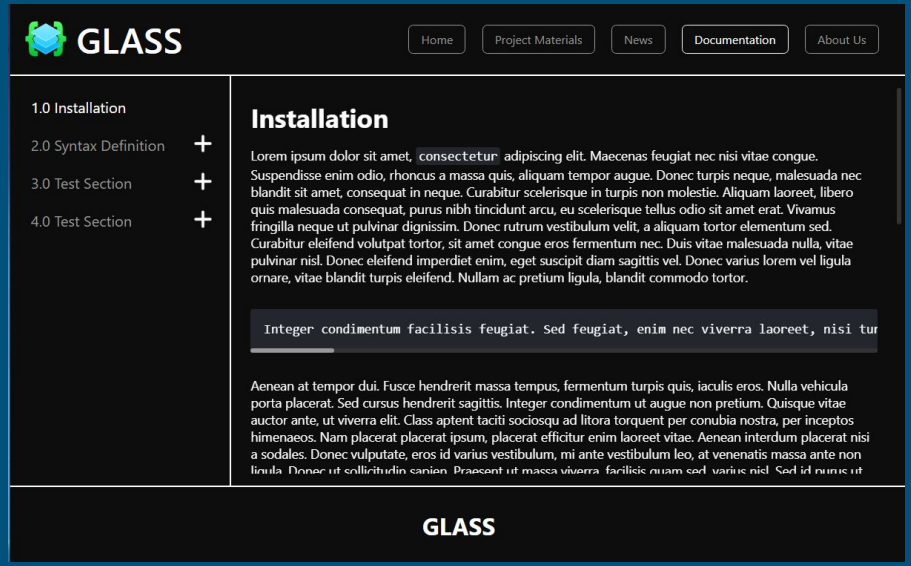
Ease of use features

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

Task Discussion

Documentation

- Documentation for our project is now being hosted on our project website
- Has been implemented in such a way that the documentation can be updated or expanded and the table of contents on the website will update automatically.



Demo Time!

Milestone Five 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

Discussion of Planned Tasks (cont.)

Update and extend documentation

- As one can imagine, as new features are added, the documentation on our website will have to be updated to reflect said changes

Create presentation poster

- We will create a presentation poster following the template provided

Faculty Advisor Feedback

- For the final presentation, the 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 we are going to demonstrate the tool / assess if the tool can accomplish our goals

Questions?