

Team: LingJie Pan, Xin Gao, Joquanna Scott

Meeting log

Date	Meeting Log
4/11 Fri	<ul style="list-style-type: none">● Discussed meeting details, settled on meeting at 6pm every Friday● Discussed the structure of the team. No hierarchy or team leader● Created a progress log document● Discussed the details of the project, Gao is responsible for recreating TLS interpreters, while Pan and Scott work for 1.2
4/21 Monday	<ul style="list-style-type: none">● Discussed the date to sign up for progress meeting, eventually settled on April 29 as our first progress meeting, and May 9 for our second progress meeting
4/25 Fri	<ul style="list-style-type: none">● Discussed work assignation, Scott will work on 1.3, Pan works on 1.4, and Gao works on 1.5
5/2 Fri	<ul style="list-style-type: none">● Reported progress of each team member.● Discussed work assignation. Gao will be working on 1.6, Scott and Pan will work together on 1.7.● Scheduled an additional meeting for 5/7 Wed to discuss the upcoming progress meeting and project progress.
5/7 Wed	<ul style="list-style-type: none">● Reported newest Progress●

Progress

Date	Contributor	Task Complete
4/10/25	Xin Gao	1.1 – Full implementation of the TLS interpreter in RSR5
4/10/25	LingJie Pan	1.2 (i) – cond expression error checker completed
4/11/25	LingJie Pan	1.2 (i) – lambda expression error checker completed
4/13/25	LingJie Pan	1.2(i)-Enhanced lambda and cond syntax checker to check for nested lambda/cond expression
4/28/25	Joquanna Scott	1.2(ii & iii) - Finalized sketch on both parts, including test cases for iii
5/1/2025	LingJie Pan	1.2(i) Enhanced lambda-checker and cond-checker to check for nested cond/lambda expression and other primitive type's length
5/2/2025	LingJie Pan	1.2(i)-Enhanced top level syntax-checker to check for generalized s-exp, researched closure and lexical scope
5/2/25	Joquanna Scott	1.2(iii) - Revamped unbound variable checker to include checks for cond statements and applications. TODO: Debug the variable check for cond/app operations.

		Implement let as 1.3 proof helper
5/2/25	Xin Gao	1.1 - added specification for the pre-condition and the post-condition. TODO: Start working on both 1.5 and 1.6
5/7/2025	LingJie Pan	1.4 – Completed the structural induction for the correctness of closure and lexical scope
5/7/25	Joquanna Scott	1.2(iii) - Completed debugging for unbound vars in lambda expressions 1.3 - Started proof for environment subsystem
5/7/25	Xin Gao	1.5 - Completed correctness proof with spec, analysis and test cases.
5/8/25	Joquanna Scott	1.3 - Started implementation of *let – helper for environment changes and subsystem proof - Provided template for list binding environmental structure