Project Status Report

Project Name	Lockheed Martin #2: Digital Twin Simulation		
Date	3/21/2021	Created By	James Douthit
Status RAG	**Time**	**Team Member Participation**	N/A
Progress Last Week	Symbol dictionary: improved the symbol dictionary by adding new capabilities. Model analyzer: wrote the main bulk of our analyzer and reporter, and started troubleshooting and testing. Set up a plan for the rest of the project, as seen in the to-do below. Began testing architecture and a multithreaded analyzer since it is slow right now.		
To Do This Week	Symbol dictionary: continue improvements to the symbol dictionary. Model analyzer: Modify the analyzer code to find nested function calls, modify the code to find arrays with the proprietary class we are working with, inspect the report we are outputting from our analysis for array access, figure out reporting for method subscription, and figure out how to declare the model class as a private variable in the main file. Finish testing architecture and refine multithreaded approach.		
New Issues, Risks, Blockers	Symbol dictionary: None Model analyzer: Proprietary classes are not always being stored in structs (edge case). Some classes might not be defined in the .h file. Worried about scope of reporting for the analysis. Some questions about the class naming conventions.		
Updates on Issues, Risks, Blockers Raised Last Week	Symbol dictionary: team has made a lot of progress on the dictionary. Model analyzer: team has a very solid understanding and has a concrete plan for addressing issues now.		