

# SE 492 – sdmay20-06

## ENGINE DATA ANALYTICS TOOL

### Week 2/13/20 Report

2/1/20 – 2/13/20

Client: Collins Aerospace

Faculty Advisor: Lofti, Ben-Othmane

#### Team Members:

Zak Frisvold - Team Leader

Thomas Haddy - UI/UX Engineer

Ryan Radomski - QA Tester

Will Sartin - Meeting Runner

John Powen - Scrum Master

#### Weekly Summary

In the last week we have met among ourselves to create tickets for our project, define the roles in our team, and consider what next steps are for the development process. We have outlined what we want to get done for the next meeting and have begun the development process among ourselves.

#### Past Week Accomplishments

- Presented new Screen designs with Clients as per their critique.
- Data Parser has been ported to C#
- Data Presentation Demo with Clients. Using the LiveCharts library.
- Went over the new structured workflow with Clients.

#### Pending Issues

- Need to understand how Collins Aerospace wants to designate relevant standard deviation of data fields on the fly.
- Getting more data for simulations (ARINC, MIL-STD-1553, etc).

#### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Zak Frisvold	Created sample liveChart and began process of filling graphs with data from our client	8	16
Thomas Haddy	Helped with creating the	8	12

	screen sketches and working with the UI. Testing out the LiveCharts library to see which graphs and gauges will be used for the project.		
Ryan Radomski	Researched spike to determine how best to display a larger portion of the csv file in LiveCharts.	8	12
Will Sartin	Ported the Data Parser into C#. Tested to find the most effective csv extractor library. Started testing for data corruption.	8	20
John Powen	Developing UI and creating initial screens. Beginning workflow stages for the application.	10	24

### Upcoming Plans for next Week

- Using LiveCharts with relevant data, incorporating the data presentation into the application.
- Testing for data corruption.
- Further development with data parsing in C#.

### Summary of Weekly Meeting with Sponsor

Met with Client on 2-13-2020. We discussed our initial concepts, our plan of attack, and best representation of data for some questionable items. Received back that our best judgement is a good course of action and that continued communication will help prevent any issues as we move forward.