CruiseAuto Project – Milestone 2

**ANSWER SHEET:** Algorithm Development

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# Part 1. Assignment Header

**Section and Team ID:** <replace this text with your SSS\_TT ID>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Team Member Name** | **Purdue Career Account Login** | **Programmer Number** | **Detailed Description of the Work** | **Percent of Work** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

# Part 2. Milestone 1 Feedback and Reflection

Strength: <answer here>

Limitation: <answer here>

How could the feedback from M1 lead to improvements? <answer here>

What concrete steps will you take to incorporate the M1 feedback to improve your approaches to managing noise and errors in data? <answer here>

What concrete steps will you take to incorporate the M1 feedback to improve your approaches to identifying the parameters?

<answer here>

# Part 3. Planning your Algorithm

What method(s) will you use to manage data noise and errors? Why?

<answer here>

What method(s) will you use to determine the acceleration start time, the time constant, the initial speed and the final speed? Why?

<answer here>

How will the subfunctions operate together? Who needs what values from which functions? *Decide how team members can start working on their programs while they wait for outputs from in-development programs.*

<answer here>

How does the data displays need to change or be updated to help the team understand how well the algorithm is working? If it doesn’t, please explain why?

<answer here>

# Part 4. Programming your Algorithm

All deliverables should be submitted to Gradescope.

# Part 5. Algorithm Reflection

Describe your process for choosing how you would develop your algorithm? How did you use your data in this process?

<answer here>

Describe your process for making sure your algorithm is meeting the needs of the client and running smoothly. What did you do to debug your algorithm? How did you use your data in this process?

<answer here>

Identify at least one strength and one limitation of your team’s algorithm you created in M2.

<answer here>

# Part 6. References

<list references for any external sources used here>