# Project Milestone 2 – Algorithm Development – Answer Sheet

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## Assignment Header and Role of Each Team Member

### Assignment Header

|  |  |  |  |
| --- | --- | --- | --- |
| **Section and Team ID (SSS\_TT):** | <replace this text with your Section\_Team ID> | | |
| **Team Member Name** | | **Purdue Career Account Email** | **Programmer Number (1,2,3, or 4)** |
|  | |  |  |
|  | |  |  |
|  | |  |  |
|  | |  |  |

### Milestone Work Report

|  |  |  |
| --- | --- | --- |
| **Team Member Name** | **Detailed Description of Work** | **Percent of Work** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Part 1: M1 Feedback Review

### Table 1. Feedback summary and plan

|  |
| --- |
| **Part A: Based on your feedback from M1, identify at least one strength and one limitation of your team’s approach or process you created in M1. Consider how the feedback from M1 could lead to improvements in your work.**  <write your response here> |
| **Part B: Explain how you will incorporate the M1 feedback to improve your parameter identification** (do not just reword your response from Part A, include concrete actions you will take to improve).  <write your response here> |

## Part 2: Algorithm Development

### Table 2. Algorithm plans

|  |
| --- |
| **Plan for Algorithm** |
| <write your plan here> |

### Table 3. Explanation of non-class MATLAB functions used in algorithm

* If you did not use any new built-in MATLAB functions, then delete all text in the table and add “No new built-in functions used”.
* If you used any function not taught in class, complete this table by thoroughly answering each question. Add a row for every new function you use. Remember, do not include descriptions of new functionality learned in built-in functions used in class.
  + You are allowed to reuse or adapt documentation from M1

|  |
| --- |
| **Detailed description of use, operation, and theory. Add rows as needed** |
| 1. Where in your algorithm do you use this function? 2. What is the function name and how do you call it in MATLAB (with inputs and outputs)? 3. Description of inputs needed to run the function: 4. Description of outputs from the function: 5. Theory/mathematics behind how the function operates: |

## Part 3: Algorithm Reflection

### Table 4. Algorithm reflections

|  |
| --- |
| **Your choice of your algorithm in M2** |
| Describe your process for choosing how you would develop your algorithm? How did you use your data in this process?  <write your reflection here> |
| **Debugging your algorithm in M2** |
| 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?  <write your reflection here> |
| **Strengths and limitations to your algorithm in M2** |
| Identify at least one strength and one limitation of your team’s algorithm you created in M2.  <write your reflection here> |