<u>**Planning**</u>

- Classes
- Methods

<u>ENGR301 Rocket Simulation Project</u>

- ➢ 1 source file
- ➢ 2 packages: test and a main

1.Classes:

1.1. Main class

- MonteCarlo.java (inside the main package)
    - MonteCarlo object that will store the parameters for simulation.
    - Automating parameters that automatically generates parameters for simulation.
    - Main method that calls the simulation class with the passed in autogenerated parameters.
    - Implements the functions from OpenRocket source code for required simulation calculations.

1.2 Simulation class

- Simulation.java (inside the main package)
    - Simulation(passed in parameters) : calls InitializeGUI and startUpGUI
    - InitializeGUI: creates GUI objects
    - startUpGUI: opens the startup screen and lets you choose your rocket parts for simulation

1.3 Test class

- TestClass (inside the test packages
    - Tests generated to test the montecarlo class