**Notes**

The command buttons can also act as craft confirmation indicators:

* When a button is clicked, it will display a message noting the signal being sent
  + Once the craft confirms the reception of the command, the color of the button will change accordingly
* If the command is not confirmed by the craft within a certain time span, the button will reflect the last known state

These are the processes which need to be taken care of (highlighted actions and main numbered points run in parallel within their section):

1. Transmission of commands and reception of craft data
   1. Commanded state is sent
      1. The state of all buttons are checked and command flags are generated based on the states of the buttons (see Button States)
   2. Craft data is processed
      1. Confirmation of commands
      2. Recording data from sensors
         1. Highlighted warnings
         2. Graphing
      3. On-craft contingencies
      4. Data logging
2. Confirmation Messages

Button States:

* Green: Active command being sent to and confirmed by craft
* Light Green: Active command being sent but not being confirmed by craft
* Pink: Inactive command being sent but not being confirmed by craft
* Red: Inactive command being sent to and confirmed by craft

The textboxes on the datagrid can be highlighted by linking the color property of a row with a property of the sensor which will change based on values. Can this be done?

**To-do:**

1. Create special behavior for on-craft Hardkill and Softkill
2. Data logging

Non-critical enchancements:

1. Customize confirmation messages
2. P&ID functionalization
3. Notification screen

Documentation:

1. EVERYTHING
2. Thermocouple status codes