Embedded Systems Lab Demonstration Validation Sheet

This sheet should be modified by the student to reflect the current lab assignment being demonstrated

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| Lab Number: | Lab 4 – Top Gun |
| Team Members | |  | | --- | | Team Member 1: | | Team Member 2: | |
| Date: |  |

# Lab Requirements

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| 1 | All Red LEDs blink at 400ms rate and Top Gun LCD graphic loads up on boot |  |
| 2 | Pressing any Switch makes the LEDs blink at a 200ms rate at user defined pattern and LCD screen says the names of people in the group |  |
| 3 | Pressing any switch again makes the LEDs cut off and the word paused displayed on the LCD screen |  |
| 4 | Pressing switch 3 un-pauses the game, the correct red LEDs toggle, jet is correctly drawn on the screen, and the roadway moves with the ADC value |  |
| 5 | Pressing switch 1 makes jet move up |  |
| 6 | Pressing switch 2 makes jet move down |  |
| 7 | Enemy jets spawn randomly on the screen. |  |