

<b>Mission 8 Assignment Log</b>	<b>Name:</b>									
<b>Pre-Mission Preparation</b>										
<p>You have been learning about finite-state machines and the different states a program can be in. This mission will prepare the spacecraft to land on Mars. What states do you think the landing will have?</p>										
<b>Mission 8 Checks</b>										
<p>Objective #1 What are the three phases of this mission?</p>	<table border="1"> <thead> <tr> <th data-bbox="779 583 998 646">Phase</th> <th data-bbox="998 583 1487 646">Details</th> </tr> </thead> <tbody> <tr> <td data-bbox="779 646 998 720"></td> <td data-bbox="998 646 1487 720"></td> </tr> <tr> <td data-bbox="779 720 998 793"></td> <td data-bbox="998 720 1487 793"></td> </tr> <tr> <td data-bbox="779 793 998 867"></td> <td data-bbox="998 793 1487 867"></td> </tr> </tbody> </table>		Phase	Details						
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<p>Objective #2 What is needed to prepare the NeoPixel ring to use as an indicator to the crew?</p>										
<p>Objective #3 List two facts about the object sensor</p>	<p>1.</p> <p>2.</p>									
<p>Objective #4 Describe the “pull” on an input pin:</p>										
<p>Objective #5 What is a reason for using lander states in the program code?</p>										

Objective #6 What is needed to complete phase 2?	
Objective #7 What is the purpose of the 180 servo?	
Why is it the better choice over the 360 servo?	
<b>Post-Mission Reflection</b>	
Explain how the mission code is a finite-state machine:	
What are some applications that might use an object sensor?	

