

Lab 1 Report Rubric

Group Rubric (20 points)			
Part 1	All requirements met. (10 points)	Some requirements met. (4-8 points)	No requirements met. (0 points)
Part 2	Same as above (10 points)	Same as above (4-8 points)	Same as above (0 points)

Individual Rubric (30 points)			
Team Evaluation:	Team evaluation is included (5 points)		No team evaluation (0 points)
Lab etiquette:	No lab infractions. (5 points)	A few lab infractions. -1 point per infraction. (2-4 points)	Significant infractions. (0 points)
Lab Report	See Lab Report (20 points)		No Lab Report (0 points)

Hardware Design Rubric (20 points)

Part 1 - Design	<p>The circuit diagram is complete. It includes pin numbers on the keypad, LCD, and microcontroller. Appropriate colors are chosen for the wire-wrapping portion.</p> <p>Appropriate colors are used for each wire. The connector works.</p> <p>(20 points)</p>	<p>The circuit diagram is vague and does not include pin numbers. Colors for wire-wrapping are not chosen according to any pattern.</p> <p>No attention is paid to wire coloring.</p> <p>(8-16 points)</p>	<p>No circuit diagram is provided.</p> <p>(0 points)</p>

Software Design Rubric (20 points)			
Part 1 - Code	Requirements are fulfilled. (5 points)	Requirements are partially fulfilled. (2-4 points)	Software does not fulfill the requirements at all. (0 points)
Part 2 - Code	Requirements are fulfilled. (5 points)	Requirements are partially fulfilled. (2-4 points)	Software does not fulfill the requirements at all. (0 points)
Code Readability:	<p>Define statements should be used for all LAT and PORT usages.</p> <p>Comments are given for each function as a description.</p> <p>Initialization code is in separate files.</p> <p>Coding guidelines are followed</p> <p>Source control commit history is included.</p> <p>(10 points)</p>	<p>Some requirements missing.</p> <p>(4-8 points)</p>	<p>No requirements met.</p> <p>(0 points)</p>

Quality Assurance Rubric (20 points)			
Tests	<p>A circuit diagram for the circuit to test the pin initialization is provided.</p> <p>Picture, circuit diagram, or proof of at least two other test is provided.</p> <p>(20 points)</p>	<p>It is not clear the pin initialization was tested.</p> <p>Other tests appear to have been done, but the details are not clear.</p> <p>(4-16 points)</p>	<p>It is not clear that any test was done.</p> <p>(0 points)</p>

System Integrator Rubric (20 points)			
Part 1 - Design	<p>The circuit diagram is complete. It includes pin numbers on the keypad, LCD, and microcontroller. Appropriate colors are chosen for the wire-wrapping portion.</p> <p>Appropriate colors are used for each wire. The connector works.</p> <p>(20 points)</p>	<p>The circuit diagram is vague and does not include pin numbers. Colors for wire-wrapping are not chosen according to any pattern.</p> <p>No attention is paid to wire coloring.</p> <p>(8-16 points)</p>	<p>No circuit diagram is provided.</p> <p>(0 points)</p>

Wiki-Creator Rubric (20 points)			
Part 1 and 2 - Wiki	Two entries are made onto the class wiki. These entries are clearly listed in the final report. (10 points)	Less than three entries were given. (4-8 points)	No entries were given. (0 points)
Quality:	Each problem is clearly explained. A detailed solution is listed including any circuit diagrams, quotations from the procedures, or software. Wiki mark-up is used properly and the formatting is neatly-done. (10 points)	An entry is provided, but is it not very detailed. The entry is not neatly formatted. The solution is not very detailed either. (4-8 points)	No requirements met. (0 points)