THE UNIVERSITY OF TOLEDO
EECS 3100 – Embedded Systems

Lab Project #6 Grading Chart

PROJECT 6	Team Member 1 Name:_____ Team Member 2 Name:_____		
Lab Section No:_____	Grader's Name:_____	Lab Instructor's Name: _____	
	Grader's Evaluation Comments	**Max Points Achievable**	**Points Earned**
PROCEDURES			
Initialization Functionality implemented in assembly to activate the **PLL** (by calling the **TExaS_Init** function) to run the microcontroller at 80 MHz.		**5**	
Dump Instrument		**20**	
Memory arrays to store dump information are implemented.			
Functionality implemented in assembly to record the Port E value (including both the input and output signals).			
Functionality implemented in assembly to record the time during each execution through the outer loop of the main program.			
Functionality implemented for dump that stores the Port E and **NVIC_ST_CURRENT_R** data into arrays while the system is running in real-time.			
Heartbeat Instrument		**10**	
Functionality implemented in assembly to toggle an LED once each time through the loop to create a heartbeat			

Estimating Intrusiveness			
Calculations required for estimating the intrusiveness of the debugging instruments in Part B are included in code as comments.		**5**	
Testing		**20**	
A screenshot showing the system running in simulation mode.			
A screenshot showing the I/O window, as illustrated in Figure 6.3 including the switch, LED, and heartbeat signals. Also, show the period of the flashing LED on the logic analyzer window.			
A screenshot showing the dumped DataBuffer and TimeBuffer in a memory window, as illustrated in Figure 6.4. Ensure that the memory window is in the proper address range.			
Period of the flashing LED calculated using the timing data for the I/O signals previously collected in the buffers. The calculated value should be accurate to 12.5 ns.			
REPORT		**15**	
Professionalism of the report – correct spelling, grammar, coherence, organization and presentation			
Report is computer-generated: 8.5x11 paper & one side used			
Cover sheet – Include Course Name, Lab Section, Submission Date, Team Member Names, and a Table of Contents.			
Project Progress – Discuss the degree of completeness of your project for each part in the section "Procedures". If any part is incomplete, state what has been and what needs to be accomplished.			
Team Member Contributions – Discuss in detail each team member's contributions for each part in Procedures in quantitative terms.			
Attachments – include all deliverables as listed in the project assignment document.			

		TEAM POINTS SCORED	
DEMONSTRATION EVALUATION		**25**	**Points Scored**
Demonstration Score Team Member 1 (out of 25)			
Demonstration Score Team Member 2 (out of 25)			
Team Member 1 Team Points + Individual Demo Points =	**Interim Score:**	Team Member 2 Team Points + Individual Demo Points =	**Interim Score:**
TEAM MEMBER CONTRIBUTIONS	*Individual grades may be reduced up to 100% of the team grade (resulting for a score of zero) for those team member(s) who failed to contribute their fair share to each and every phase/task/subtask of the project.*		
Team member contributions described in adequate detail in the report? If not, request students to provide one ASAP (by email).	*Comment below for each team member if his/her grade is being adjusted due to less than fair and equitable share of contributions for parts of the project. Then enter the adjustment value in points from 1 to a maximum of "Team Points Scored".*		**Adjustment Value** (in points)
Team Member 1 Detailed assessment for contributions			
Team Member 2 Detailed assessment for contributions			
LATE SUBMISSION DEDUCTION			
Number of Days Late: _____ × 20 pts per day = _____ Points (deduction for late submission) (Subtract 20 points for each day late)			
Team Member 1 Name:_____ (Team Points + Individual Demo Points) – (Individual Contribution Adjustment + Late Submission Deduction) =_____	**Finalized Project Score:**	**Team Member 2 Name:**_____ (Team Points + Individual Demo Points) - (Individual Contribution Adjustment + Late Submission Deduction) =_____	**Finalized Project Score:**