

CS 4900

Project: Blacktop

Stories

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A daughter board for the MSP-EX0430G2/ET "Launchpad" development board will be developed for Colin MacCreery for use in Western Michigan University's CS-2230 Computer Organization and Assembly Language course. The board will be built with peripherals required by Mr. MacCreery on behalf of the WMU Computer Club to teach the course and drivers will be designed for each designated peripheral. The boards will be maintained and purchased by computer club and be used by students in CS-2230.

Story	Time to complete	Risk (1-10)	Actual time to complete	% Complete
The circuit board must be usable by the average student in CS 2230	4 weeks	4	TBD	60%
The board is able to be purchased and maintained by computer club	12 weeks	6	TBD	0%
The necessary materials (Circuit diagrams and pinout information) to reproduce and manufacture the boards are provided to the client	12 weeks	6	TBD	0%
The board is able to be clearly put together by the average student in cs2230	4 weeks	6	TBD	0%

Board manufacturers have been selected for maintainability of the project and computer club is able to communicate with them.	12 weeks	6	TBD	0%
The board contains all of the necessary peripherals to teach CS 2230	4 weeks	3	TBD	50%
The peripherals display all necessary functionality required for use in CS 2230	4 weeks	6	TBD	30%
The onboard EEPROM is able to communicate with the main MSP chip via SPI	4 weeks	6	TBD	20%
The board is able to run on Ubuntu 18.04	4 weeks	1	4 weeks	100%