Bill of Material
Parts List I for CMPE127 F 2017 (August 2017)
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Note: Partial List, you may need to add "glue logic" parts and other parts if needed, this BOM is for reference purpose only.

HSerial Number	Quantity and Description	Note
1	Wire Wrapping Board	Same as last semester, recommended size: 8.5X11 inches, note you may use half of that size with potential need to add the 2nd tier when adding additional components.
2	LPC Xpresso Module (ARM Cortex-M3) ARDUINO UNO	Choose LPC1769 or if you prefer you may choose LPC1768 which may require different software drivers or sample programs, most of the class examples are for LPC1769. ARDUINO UNO
3	AT45 or equivalent SPI interface serial FLASH	Any SPI based FLASH will do, especially these days a lot of newer ones with dual or quad SPI ports. They are good and better.
4	Wire wrapping tool kit	Same as last semester
5	DC power supply (7.5VDC 1500 mA or 9 VDC)	You can use PC power supply.
6	Bundle of color wires for wrapping	
7	SPI based color LCD display	For labs in class
8	MAX232, and MAX485	<mark>Optional</mark>, this component is an optional, but not required for this semester, if you prefer work on an extra this may be needed.
9	TSOP1236 IrDA Transceiver	
10	USB to serial cable	
11	LM7805	Power regulator
12	Red LED and other "glue logic"	