Jiajian Chen

CPE301 – SPRING 2018

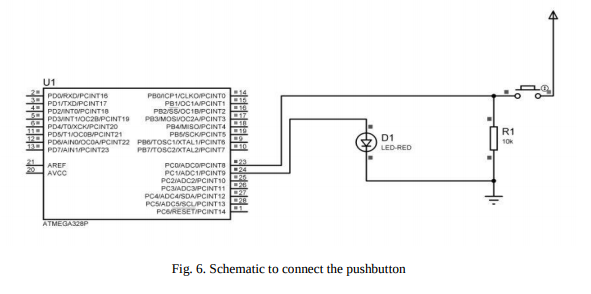
Design Assignment X

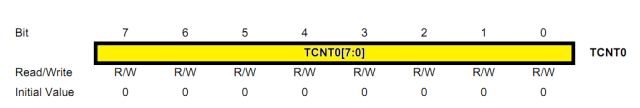
**DO NOT REMOVE THIS PAGE DURING SUBMISSION:**

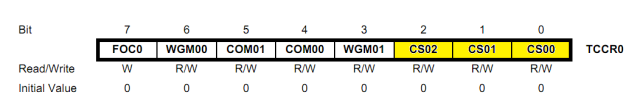
The student understands that all required components should be submitted in complete for grading of this assignment.

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| --- | --- | --- | --- |
| **NO** | **SUBMISSION ITEM** | **COMPLETED (Y/N)** | **MARKS**  **(/MAX)** |
| 1 | COMPONENTS LIST AND CONNECTION BLOCK DIAGRAM w/ PINS |  |  |
| 2. | INITIAL CODE OF TASK 1/A |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 2/B |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 3/C |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 4/D |  |  |
| 3. | INCREMENTAL / DIFFERENTIAL CODE OF TASK 5/E |  |  |
| 4. | SCHEMATICS |  |  |
| 5. | SCREENSHOTS OF EACH TASK OUTPUT |  |  |
| 5. | SCREENSHOT OF EACH DEMO |  |  |
| 6. | VIDEO LINKS OF EACH DEMO |  |  |
| 7. | GOOGLECODE LINK OF THE DA |  |  |
|  |  |  |  |
|  |  |  |  |

1. **COMPONENTS LIST AND CONNECTION BLOCK DIAGRAM w/ PINS**







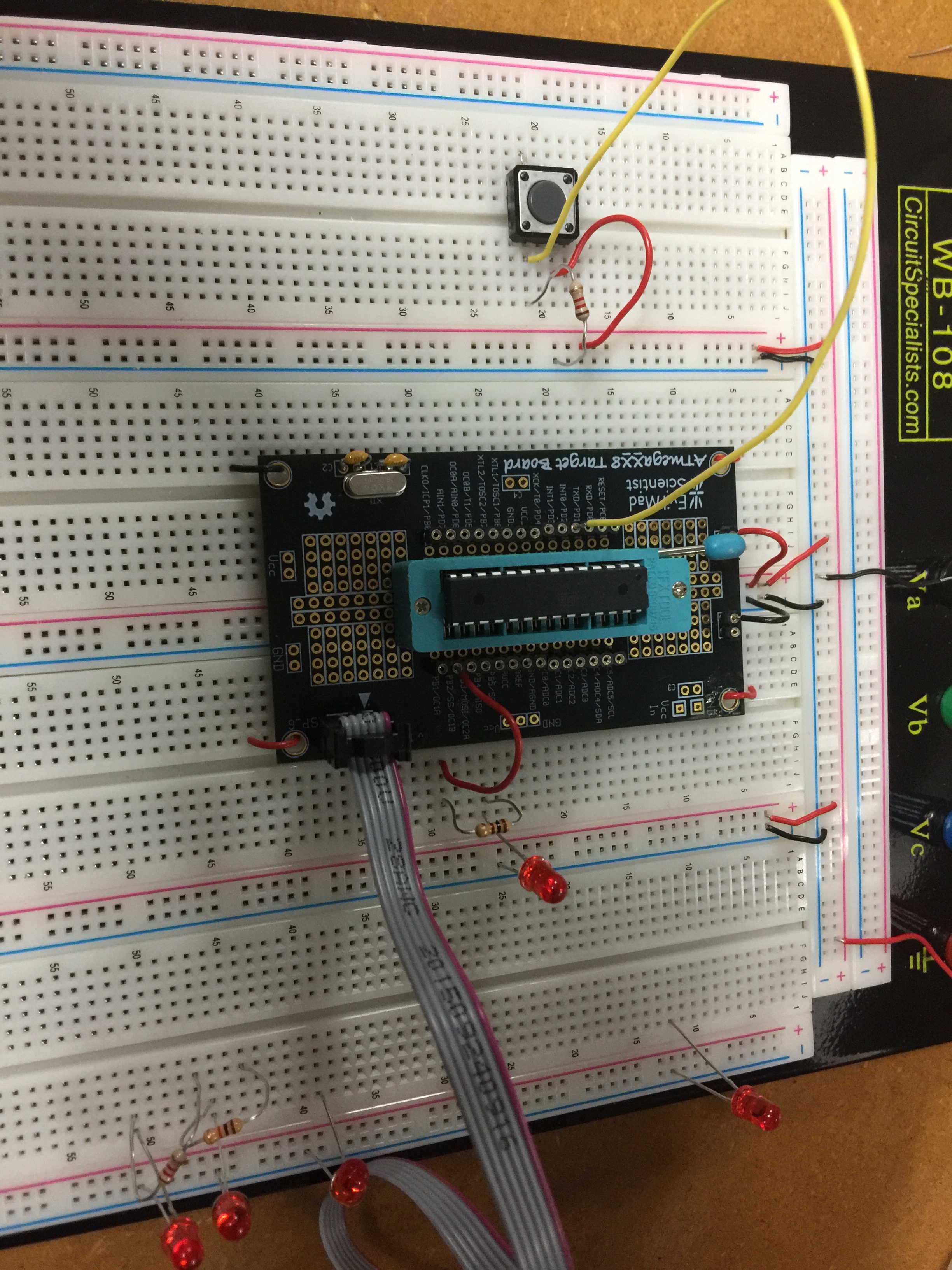
1. **INITIAL/DEVELOPED CODE OF TASK 1/A**

Insert initial code here

1. **MODIFIED CODE OF TASK 2/A from TASK 1/A**

Insert only the modified sections here. Use more sections if needed

1. **SCHEMATICS**
2. **SCREENSHOTS OF EACH TASK OUTPUT (ATMEL STUDIO OUTPUT)**
3. **SCREENSHOT OF EACH DEMO (BOARD SETUP)**



1. **VIDEO LINKS OF EACH DEMO**

Task 1 a: <https://www.youtube.com/watch?v=dHRGoSUBj5o>

Task 1 c: <https://www.youtube.com/watch?v=kUwSTaomxcU>

Task 2 a: <https://www.youtube.com/watch?v=OAxdMnI6E0Y>

Task 2 c: <https://www.youtube.com/watch?v=S_mLeGPvPSs>

Task 3 a: <https://www.youtube.com/watch?v=ac9_ADPNXlo>

Task 3 c: <https://www.youtube.com/watch?v=waR4j3FPN-g>

Task 4 a: <https://www.youtube.com/watch?v=CWIQPh6y0Sw>

Task 4 c: <https://www.youtube.com/watch?v=_08w8OA88jE>

Task 5 a: <https://www.youtube.com/watch?v=IOOoPcD-4H0>

Task 5 c: <https://www.youtube.com/watch?v=4fv369JHMqA>

1. **GITHUB LINK OF THIS DA**

**Student Academic Misconduct Policy**

<http://studentconduct.unlv.edu/misconduct/policy.html>

“This assignment submission is my own, original work”.

NAME OF THE STUDENT