# Su22-ENGR-40M-01 Prelab 3b

# Jannah Sabic El-Rayess

**TOTAL POINTS** 

#### 10 / 10

#### **QUESTION 1**

#### 1P12/2

# $\checkmark$ - 0 pts Project idea is described in a clear manner and is feasible to complete within the given time

- 0.5 pts Project idea lacks clarity
- 0.5 pts Project idea is not feasible to complete in

#### the allotted time

- **0.5 pts** Some errors
- 2 pts Project idea is confusing and not feasible to complete in the allotted time
  - 2 pts Late
  - 3 pts No Submission/ Very little done
  - 0.5 pts No one-page explanation
  - 0.5 pts (music) Project idea not specified
  - 2 pts Project Submission not Included

#### **QUESTION 2**

#### 2P28/8

# √ - 0 pts Correct

- 0.5 pts Music: P1 Incorrect range calculation
- 2 pts Switch debouncing: P2/P3 Incorrect

#### orientation of switch

- 0.1 pts Music: P3 (said 410 and/or 614)
- 8 pts Late
- 8 pts Switch debouncing: no work shown
- **0.1 pts** Music: P2 (said 511.5 or 512)
- **0.1 pts** Music: P3 (said 408/410 612/614)
- 0.1 pts Music: P3 Did not round down
- 0.1 pts Music: P2 and P3: calculated (correct) non-

integer values

Lab 3b This is the Music Prelab P1 20-1= 1023 [0,1023] P2 2.5 (1023) = 511.5 (always rounds P3 2 (1023) = 409.2 3 (1023) = 613.8 [409,613] Based on the raw signal, I want the amplitude to make the LEPs nove up and down vertically like example the higher the amplitude, the higher the vertical bors are.

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