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| Submission Date | YYYY-MM-DD |
| Project Name | TouchPi |
| Student Name | Andrew McGuire |
| Project website | Joemiddle.github.io/Ceng317 |
| My project will | Translate Morse Code into text |
| The database will store | The text transmitted between the user and the app |
| The mobile device functionality will include | the ability to communicate translated morse to text |
| I will be collaborating with the following company/department | none |
| My group in the winter semester will include | Unsure as my software project partners do not have hardware this semester and will not have the same class next semester |
| 50 word problem statement | The problem my hardware Is going to solve is not necessairly a problem but a tool in helping translate an old messaging language, Morse code, into user readable text. Morse was used to help the world communicate over long distances and was fairly reliable but nowadays its not something that is easy to come across. Hopfully this device will help users understand the difficulties of communication of the past. |
| 100 words of background | I'm interested in old forms of telecommunication, and Morse code very old now. The device I create will be used to transmit morse code to nearby listening devices. The device will translate the input into text. The aim of the device to help its user practice and gain insight into old forms of communication and their difficulties. In older forms of telecomminucation sending data was difficult and so to keep messages being sent across the very long distances had to be short and brieft and with as little going across the lines as possible. Morse Code sends small pulses in the form of beeps and breaks in order to send entire messages. -.-. . -. --. ...-- .---- --... would be the Morse translation for CENG317. Hopefully in this course I will be able to |
| Current product APA citation | PiTFT - Assembled 480x320 3.5" TFT Touchscreen for Raspberry Pi. (n.d.). Retrieved September 09, 2017, from https://www.adafruit.com/product/2097?q=Adafruit PiTFT 320&p= |
| Existing research IEEE paper APA citation | Fried, L. (2017). PiTFT plus 480x320 3.5” tFT+Touchscreen for raspberry pi.; https://www.adafruit.com/product/2441 |
| Brief description of planned purchases | Planning on purchasing the PiTF for touch screen for the PI |
| Solution description | To get the pi to communicate with the touch screen |