

Pseudocode

Load UART, interrupt, timer, GPIO, library files

Configure UART connection

Enable Interrupts and Timers

Create and initialize variable to receive UART character

Prompt User to enter message

Convert message entered based on ASCII and Morse Code

- *Show Morse code for each individual ASCII character*
- *Notify user if a character that is not allowed is typed*

Display results

- *On board*
 - *Blinking blue LED for dashes, red LED for dots, and green LED for space/blank*
- *On Putty Terminal*
 - *Dots, dashes, and spaces only for codified message*