Progress Report

By: Suyasha Acharya and Sai Harshita Tupili

Milestone 2

March 17, 2018

Suyasha: Implemented timer interrupt for 1 second and stored seconds and led blink

Harshita: Implemented subroutine to display seconds in hex (Number 0-59)

March 19, 2018

Together: Tested it in lab and debugged the code until it worked.

March 26, 2018

Suyasha: Implemented slide switch for user to choose minute and edited the code to include minute so that the timer has minutes and seconds.

Harshita: Added subroutine to display minutes in Hex display (used 4 hex)

Together: Tested on lab and it showed the minute and second counting down on hex display and that the led continuously blinks when time runs out

April 1, 2018

Suyasha: Implemented an audio subroutine to output wav file after the time runs out.

　　　-Going to test it during lab on Monday

Harshita: Implemented keyboard interrupt into the code

　　　-Going to test it during lab on Monday

Last Milestone

April 2, 2018

Together: Tested in the lab

April 4, 2018

Suyasha: Edited the audio subroutine.

　　　-Used slide switches to change audio and added 3 options to choose from

Harshita: Edited the keyboard subroutine

Together: Tested it in the lab

April 6, 2018

Suyasha: Added code to check if keyboard is pressed to stop the audio

Harshita: Edited keyboard subroutine to stop it from sending interrupt all the time.

Together: Added VGA background and tested it in lab. The VGA still needs debugging.

April 8, 2018

Suyasha: Tested in simulator to make the VGA display bmp file correctly.

      -Added the timeout screen and the countdown screen for vga.

Harshita: Implemented character display on vga and tested it in simulator.