Computer Systems Engineering Technology
CST 417 – Embedded Networking

Lab 01 – Intro to Networking Stack   Name_____
Fall 2014   Due Date: 10/10/2014 @ 5pm
Instructor: Troy Scevers
Possible Points: 10

Instructions

The goal of this lab is to become familiar with microchips TCP/IP stack. The version of the TCP/IP stack we will be using is v6.0.4 beta. You will be assigned an ethernet starter kit for use the rest of the term. This must be turned back in during finals week.

Procedure

Download the TCP/IP demo (Microchip_TCPIP_Stack.zip) from the sharepoint site. Extract it to a folder on your Z drive (ie z:\CST417\Lab1\). Start MPLAB-X and open the following project:

z:\CST417\Lab1\tcpip\tcpip_web_server_demo_app\tcpip_pic32_esk_web_server_demo_app.X

Compile the project and explore the source code for the tcp/ip stack and web demo application. You will be modifying the web server application during this lab. As you explore the Web page served by the PIC32 board you will notice some of the pages have exercises associated with them. Complete these exercises and demo.