





Assignments



Assignment 1

Attached Files:  CSE_522_Spring_2018_assignment_1.pdf (556.176 KB)
 Makefile (315 B)
 HelloWorld.c (291 B)
 CSE522_Assignment1_Pl.pptx (52.92 KB)

A repository of Galileo Gen 2 Linux SDK can be found at <https://www.dropbox.com/sh/hc7rnxa9pi0gg7n/AACiApOcF4uxnXeLa-H1Mb77a?dl=0>.

Please follow the set-up instruction to prepare your boot image on a SD card. Galileo board and FTDI cable will be distributed soon. Please note that, since we don't work on the kernel internal, the two compressed files, kernel_header and linux3.19 will not needed for the assignment.

A sample HelloWorld program and the Makefile are attached to show the cross-compilation of user applications in the host machine.



Assignment 2

Attached Files:  CSE_522_Spring_2018_assignment_2.pdf (622.357 KB)








Project Plan

Attached Files:  CSE522_projects_sp2018.pdf (626.702 KB)

The first due date is at March 21. A one-page report to show what you plan to work on must be submitted.



Assignment 3

Attached Files:  CSE_522_Spring_2018_assignment_3.pdf (512.659 KB)
 gpio_dw.patch (650 B)
 pinmux.patch (3.203 KB)
 pwm_pca9685.patch (1.607 KB)
 Tips for assignment3.pdf (480.361 KB)

Please apply the 3 patches to zephyr 1.10.0 to make the GPIO, pwm, and pinmux work on Galileo board.



Assignment 4

Attached Files:  CSE_522_Spring_2018_assignment_4.pdf (530.147 KB)



Project Report

Please submit your final project report of 8-10 single spaced pages approximately in a zip file, *cse522-project-firstname-lastname.zip*. One report per team and please make sure the names of the team members are listed on the first page.