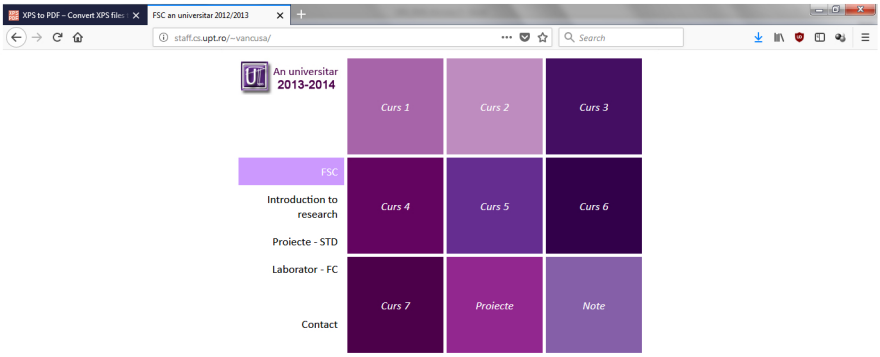
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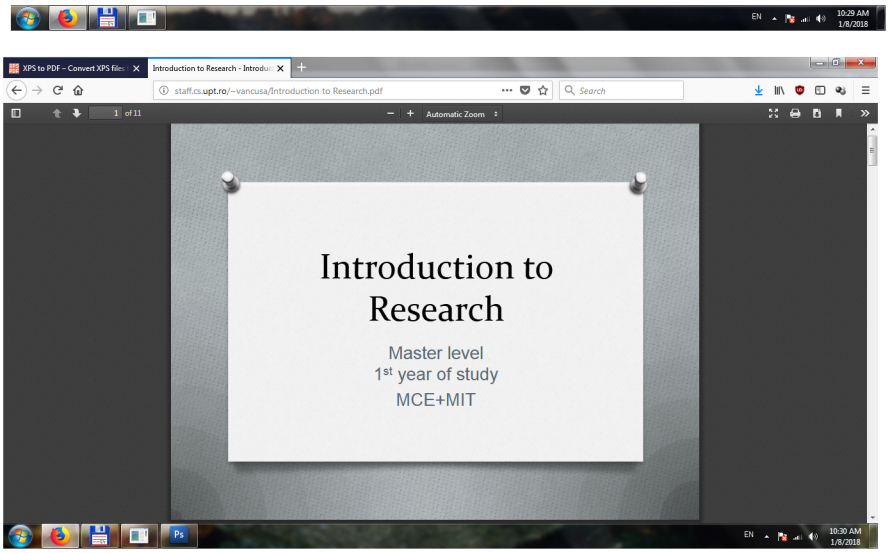
Curs 7
Proiecte
Note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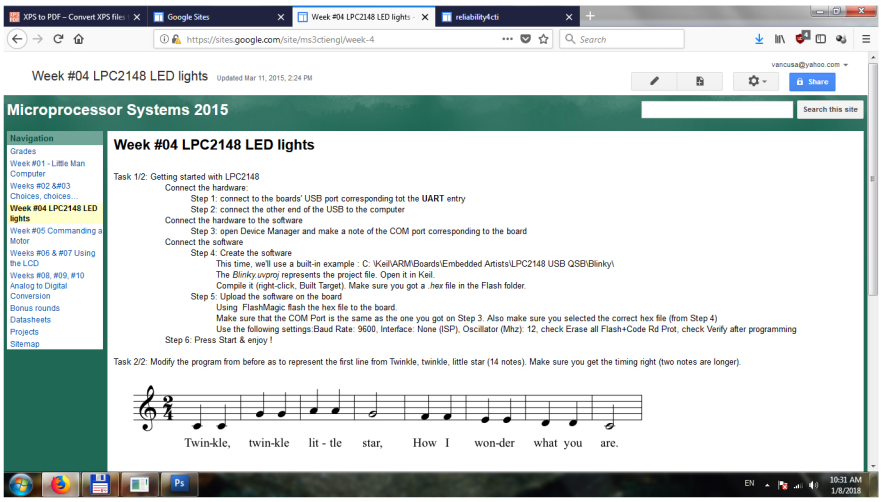
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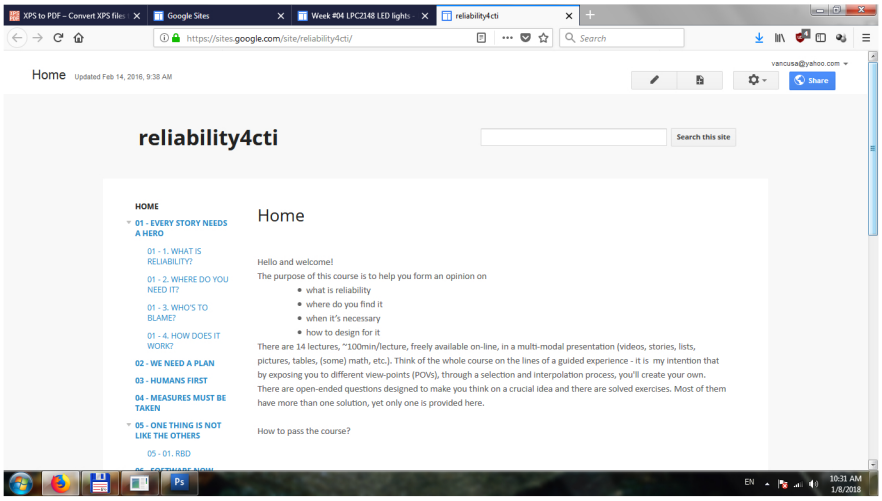
Navigation
Grades
Week #01 - Little Man Computer
Weeks #02 &#03 Choices, choices...
Week #04 LPC2148 LED lights
Week #05 Commanding a Motor
Weeks #06 & #07 Using the LCD
Weeks #08, #09, #10 Analog to Digital Conversion
Bonus rounds
Datasheets
Projects
Sitemap
Week #04 LPC2148 LED lights
Task 1/2: Getting started with LPC2148
Connect the hardware:
Step 1: connect to the boards' USB port corresponding tot the UART entry
Step 2: connect the other end of the USB to the computer
Connect the hardware to the software
Step 3: open Device Manager and make a note of the COM port corresponding to the board
Connect the software
Step 4: Create the software
This time, we'll use a built-in example : C: \Keil\ARM\Boards\Embedded Artists\LPC2148 USB QSB\Blinky\
The Blinky.uvproj represents the project file. Open it in Keil.
Compile it (right-click, Built Target). Make sure you got a .hex file in the Flash folder.
Step 5: Upload the software on the board
Using FlashMagic flash the hex file to the board.
Make sure that the COM Port is the same as the one you got on Step 3. Also make sure you selected the correct hex file (from Step 4)
Use the following settings:Baud Rate: 9600, Interface: None (ISP), Oscillator (Mhz): 12, check Erase all Flash+Code Rd Prot, check Verify after programming
Step 6: Press Start & enjoy !
Task 2/2: Modify the program from before as to represent the first line from Twinkle, twinkle, little star (14 notes). Make sure you get the timing right (two notes are longer).
Twin-kle, twin-kle lit - tle star, How I won-der what you are.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Home
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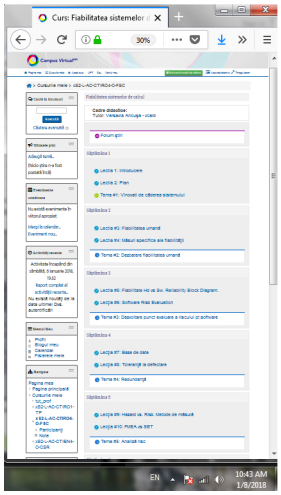
HOME
01 - EVERY STORY NEEDS A HERO
01 - 1. WHAT IS RELIABILITY?
01 - 2. WHERE DO YOU NEED IT?
01 - 3. WHO'S TO BLAME?
01 - 4. HOW DOES IT WORK?
02 - WE NEED A PLAN
03 - HUMANS FIRST
04 - MEASURES MUST BE TAKEN
05 - ONE THING IS NOT LIKE THE OTHERS
05 - 01. RBD
Home
Hello and welcome!
The purpose of this course is to help you form an opinion on
what is reliability
where do you find it
when it's necessary
how to design for it
There are 14 lectures, ~100min/lecture, freely available on-line, in a multi-modal presentation (videos, stories, lists, pictures, tables, (some) math, etc.). Think of the whole course on the lines of a guided experience - it is my intention that by exposing you to different view-points (POVs), through a selection and interpolation process, you'll create your own.
There are open-ended questions designed to make you think on a crucial idea and there are solved exercises. Most of them have more than one solution, yet only one is provided here.
How to pass the course?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