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ECE 49022

Team 17: Blind Mice

Week of February 17, 2020

What have I accomplished recently:

* Successfully tested USB Write File test code to make the microcontroller write a .txt file to the plugged-in user USB flash drive at the instant when the user push button is pressed (Play button).
* Successfully tested USB Read File test code to make the microcontroller read a .txt file from one of the files from the user USB flash drive into an empty char array of 100 bytes saved by the microcontroller at the instant the user push button input is read (Play button).
* Discovered how to use the Add Watch Expression user menu option to add a variable to watch the value of during debug session.
* Worked on figuring out how to read file names from Flash drive into microcontroller
* Worked on figuring out how to select a txt file to be read using an increment button
* Figured out how to copy a file name to an empy character array using strcpy function
* Ordered Micro SD Chip
* Ordered Micro SD Shield Breakout board

What am I working on now:

* Figuring out how to cycle through all the file names in a USB drive so that all the files stored in user flash drive can be read
* Creating test code that allows the user to use a push button to cycle through all files stored in the user USB flash drive

What needs to be done next:

* Creating functional test code that allows the user to cycle through all files stored in a flash drive
* Creating test code that allows the user to use a push button to navigate backward to a previous file when pressed
* Creating test code that allows the user to use a push button to navigate forward to the next file when the respective push buttons are pressed.