1. For this assignment, you should start by copying the *Session07* project to a new project called *Assign03*. After copying an existing project into a new project, always build and run the new project before modifying it, to make sure you are building on solid ground.
2. The LED should initially toggle on and off every 1000 milliseconds.
3. Add a new task called ButtonPressTask that checks the status of the user (blue) pushbutton on the Discovery board every 50 milliseconds.
4. Upon detection of the user button being pressed, change the LED toggle period to 100 milliseconds.
5. In other words, when the program is first run, the LED will toggle on and off every 1000 milliseconds. If the user button is pressed, the LED will subsequently toggle on and off every 100 milliseconds.
6. You are being given minimal instructions, so you need to be resourceful to determine how to implement this assignment.

**This assignment must be emailed to tlupfer@sandiego.edu by midnight on Sunday, September 13th.**

**The only file you need to submit is *main.c*.**

**Make sure your name appears in the module comments at the top of the file.**

**You should attach a single file named:  
  
 *lastname03\_main.c*  
  
In other words, my file would be named *lupfer03\_main.c***