Lab 2 Grade Guideline (35 points)

Prelab
Screenshot of terminal output (5 points)

Lab Results
- Video of blinking LED or instructor inspection of blinking LED (5 points)
- Derivation of relationship between delay time (on/off time) and delay number (3 points)
- State setting for 1 ms on/off time. (2 points)

Bonus HW Results (Optional)
- Video of blinking LED or instructor inspection of blinking LED and copy of assembly code (10 points added to your grade, but total points cannot exceed 35 points)

Answers to Discussion Questions
1. Explain what every assembly instruction does in the code used in this lab. (10 points)
2. What is the longest delay you can achieve with the code in part 4? (3 points)
3. Based on measured data, calculate the exact clock rate in MHz of your ARM core processor. To do this you will have to look up the number of clock cycles of each instruction. Refer to http://infocenter.arm.com/help/index.jsp?topic=/com.arm.doc.100166_0001_04_en/ric1417175924567.html (5 points)
4. If you were to change the name of the asm file (or add a new .s file), how would you have to edit main.cpp in order to make your code work? (2 points)

No formal lab report is needed for Lab 2.