**Lab 9 Pre Lab**

Instructions: Print off this pre lab form, complete and turn it in by the start of your lab section. If there is a demo associated with this lab, you can turn it when you do your demo.

**Part 1: DS4 Talker Introduction**

Start by reading through the entire lab document prior to coming to lab so you know are able to have a better idea of what we are doing this week. In addition to that, feel free to start on the lab or bring any questions that you may have so the TAs can go over them. Next, answer the the question below based on having read the lab document.

**Question 1:** What function does the lab document say to use instead of printf() to print output to the screen?

mvprintw()

**Part 2: Constructing the Code**

This is by far one of the most rigorous labs of the course. The idea behind this lab being that you are able to put together all of the different things that you have learned throughout the semester. This section continues on to the next page.

**Question 2:** What is one way/strategy that you would be able to use to implement the functionality of the X button?

Use an array and then when remove the last item added to the array/output

**Question 3:** Write the pseudo code to handle the X button functionality- i.e. should the X button be pressed write the pseudo code to handle that action.

char words[x][y];

words[lastWordAdded][y] = NULL;

**Question 4:** What is one strategy that you could use to implement the joystick button functionality? That is, clearing the sentence that is at the bottom of your screen.

Whenever the joystick value is over a certain threshold then it moves it in any direction.

**Question 5:** What is a method that you could use to implement the bonus functionality?

Use the built in capitalization function and whenever that button is pressed retrieve the last word then capitalize it then add it back

**TA Check Off:**

**Pre-lab and Attendance TA Signature:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **Question 1:** | **/2** |
| **Question 2:** | **/2** |
| **Question 3:** | **/6** |
| **Question 4:** | **/2** |
| **Question 5:** | **/3** |
| **Total:** | **/15** |