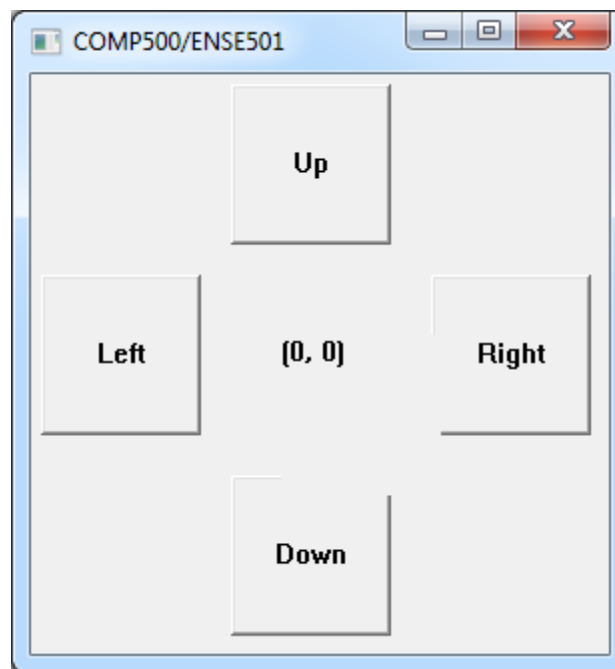


## COMP500 / ENSE501: Week 12 – Exercise:

**EXERCISE NAME:** *Window with Buttons*

Implement a Windows program that has four buttons, *Up*, *Down*, *Left* and *Right*, laid out as shown below:



In the centre of the window a two-tuple that represents an (x, y) coordinate is drawn with a **STATIC** text label.

When the user clicks Left or Right, the x coordinate in the static text at the centre of the window must increase (when Right is clicked) and decrease (when Left is clicked).

When the user clicks Up or Down, the y coordinate in the static text at the centre of the window must increase (when Down is clicked) and decrease (when Up is clicked).

You will need to utilise the following Windows API functions:

- **CreateWindow**
- **SetWindowText**

And handle the following messages:

- **WM\_CREATE**
- **WM\_COMMAND**

Ensure your source code compiles and follows good programming standards. Ensure your program is well tested.