

## Bug Detection Exercise

### ECE 60872/CS 590 –Fault-Tolerant Computer System Design School of Electrical and Computer Engineering Purdue University Fall 2017

List everything you would flag in a code review. This is C# code, but you do not have to know C# to address this question.

This function is meant to take a string value and indicate if it is possible to convert it to an integer value. Any integer, positive or negative, is possible.

```
public int numeric(System.String Input)
{
    bool canBeConverted = false;
    try {
        int n = Convert.ToInt16(Input);
        if (n != 0) canBeConverted = true;
    } catch (System.Exception ex) { }

    int Retval = 0;
    if (canBeConverted == true)
    {
        // is a number
        Retval = 1;
    }
    else Retval = 0;

    return Retval;
}
```