

CSF202 – Lab Class 10 – Wednesday 25/11/2020

This lab class involves getting some hands-on experience with the Model View Controller (MVC) design pattern.

☐ Task 10.1

For this task a working program is provided. Download the zip file from Github:

<https://github.com/tomblanch118/CSF202/blob/master/Code/Labs/Lab%2010/MVCExample.zip>

Unzip this file, and compile and run the program. This program is intended to be used for bird spotting. Each time you see a bird, you click the appropriate button. The program keeps track of the number of spotting.

This program creates several views, this is purely to demonstrate the MVC approach. Notice that when the model is updated, all the views update accordingly.

Your first step is to understand and become comfortable with the program.

Your second task is to add the ability to count another type of bird. Extend the program so a 5th type of bird can be counted.

☐ Challenge Task 10.2

Extend the program with another view. You may display the data model (the spotting amounts of the birds) in anyway you like.

An interesting, but difficult, view would be a pie chart.