

# **COM 150 Introduction to Computer Programming**

## **Student Exercise: Birthday Wishes**

The purpose of this exercise is to create a program that takes in the users' name, says thank you and then “sings” them happy birthday using the following controls: a Label, a TextBox, a ListBox, a Message Box and a Button.

### **In this exercise, you will:**

- Create an algorithm
- Work with adding Controls to a XOJO Application
- Use a Textbox to intake information
- Use a MessageBox to output information
- Use a ListBox to output information
- Use Concatenation

### **Instructions:**

1. Before you code: Create an algorithm
  - a. Identify your inputs
  - b. Identify the steps of your process
  - c. Identify your outputs
2. Create a new XOJO Desktop Application named 'Birthday Wishes' and save it to your local course folder.
3. Design your form by adding the necessary controls. Play with control properties to change colors/backgrounds
4. Write the code to display a Message Box and output information to a ListBox
5. Add Clear and Exit Buttons
6. Optional: For an added challenge - spruce up your form by adding a picture box with an image of balloon!
7. Save, run and test your program
8. Upload your completed files to GitHub