

# Assignment 1

## NUHelloWorld.app

The main goal of **Assignment 1** is designed to make sure you have XCode and Interface Builder setup correctly and give you a little experience coding with Cocoa/UIKit. NUHelloWorld is, as you might expect, a basic “Hello, world!” application. Your user will be presented with an interface with a UILabel and UIButton instance. When the user presses the button, the label will greet the user with your name and your age in years. In my Assignment 1, for example, pressing the button will cause the label to say “Hello from Nate! Nate is 26.” The exact text doesn’t matter, as long as you have your name and age.

You will need to use the Model-View-Controller design pattern for this assignment. MVC is overkill here, but it is good to get used to it. Your *view* will be built in Interface Builder and will contain the UILabel and UIButton. Your *model* will be a tiny class that stores your name and birthday. (For example, you may write a **Person** class that has an NSString \*name variable, an NSDate \*birthday variable and an -initWithName:birthday: method.) Your class must also have a function to calculate and return the Person’s current age. Your *controller* will tie your model and view together, and is in charge of changing the UILabel’s text when the user presses the button. This project is very similar to the *NUAnimals.app* we built in class. I am posting a slightly different, but commented, version of that project on the course website. I encourage you to look at it for reference as you are coding NUHelloWorld.app.

This project is worth **5 points** and is due by class time this **Wednesday, April 8th**. The project should compile without any warnings or errors, and work properly. I will not consider coding style, variables names, comments, etc. in this assignment. Turn in the project by SCPing a folder named NUHelloWorld into a your home directory on jermaine. Detailed SCP directions are included in a separate document available on the course website. If everything goes properly, this project only takes about 15 minutes. It is very easy to have problems, though, so I strongly suggest you begin work on this project soon enough that there is time to ask you classmates or myself for help.