Vaibhav Sharma 200365101 CS445 - Assignment 1

1. Some interface controls, such as the Text Field, require that there be a delegate object specified that can act on behalf of the interface object. In the case of the single Text Field object in this app, where does it get told which class acts as its delegate? What is added to this class to make it the delegate for the Text Field?

   Solution -> Its told at the top of the class by adding ==UITextFieldDelegate== after the UIviewControllerClass. The class makes text field its delegate once nameTextField.delegate = self Is added in the viewDidLoad() function which implies that once the view is loaded then it sets it self as the delegate of the textField

2. This app was designed to use the same view for both adding a new meal and editing an existing meal. How does the MealViewController know whether to show a blank form or existing data?
   Solution -> MealViewController use prepare(for:sender) method to identify which segue will be executed. For example, The segue with the identifier AddItem will add new meal and ShowDetail will edit the existing meal.

3. The app was designed following the MVC design pattern. Briefly explain what this design pattern is. Your app should contain six classes; identify which are model classes, which are view classes, and which are controller classes.
   Solution ->
   The Model View Controller consist of three things
   - Model - it helps encapsulating the data to the specific logic and domain that process and manipulates the data.
   - Controller - The controller works as the middle man between Model and View
   - View - The View helps with presentation of the data and working with the input from the user