Converter App- MVC Architecture

```
class ViewController: UIViewController ,
    UITextFieldDelegate{

    @IBOutlet weak var unit2: UITextField!
    @IBOutlet weak var unit1: UITextField!
    @IBOutlet weak var calcView: UIView!
    @IBOutlet weak var kmToMiles: UIButton!
    @IBOutlet weak var litersToGalon: UIButton!
    @IBOutlet weak var kilosToPounds: UIButton!
    @IBOutlet weak var unit1Lbl: UILabel!

    @IBOutlet weak var convImage: UIImageView!
    @IBOutlet weak var unit2Lbl: UILabel!
    var convType: Int = 0
    let DIST_CONV=0, WEIGHT_CONV=1,
        VOLUME_CONV=2

    var conv: convModel = convModel()
    override func viewDidLoad() {
        super.viewDidLoad()

        NSNotificationCenter.defaultCenter().
            addObserver(self, selector:
            Selector("keyboardWillShow:"), name:
            UIKeyboardWillShowNotification, object: nil);
        NSNotificationCenter.defaultCenter().
            addObserver(self, selector:
            Selector("keyboardWillHide:"), name:
            UIKeyboardWillHideNotification, object: nil);
        unit1.delegate=self
        unit2.delegate=self
```

var conv: convModel = convModel()

```
@IBAction func InitiateConversion(sender:
UIButton) {
    }
```

```
func textFieldShouldEndEditing(textField:
UITextField) -> Bool
{
```

var convertedVal: Double = **conv.convert**(convType, ToFrom: 0, value: unitValue)

```
    return  true
}
```

Km<=> Mi

Kilo <=> Pound

Liter<=> Galon

UIImageView

Label

Label

Converter App- View
storyboard

class convModel
```
{
    let DIST_CONV=0, WEIGHT_CONV=1, VOLUME_CONV=2

    func convert(unitType: Int, ToFrom: Int , value:Double ) -> Double  {
    return convertedValue
    }
}
```

Converter App- Model
converterModel.swift