

# INPUT TYPES - TEXT FIELDS

## Why Input Types?

Key board input types help us get the required input from user. It removes unwanted keys and includes the needed ones. We can set the type of input that user can give by using the keyboard property of UITextField.

- Eg: textField.keyboardType = UIKeyboardTypeDefault

## Keyboard Input Types

Input Type	Description
UIKeyboardTypeASCIICapable	Keyboard includes all standard ASCII characters.
UIKeyboardTypeNumbersAndPunctuation	Keyboard display numbers and punctuations once it's shown.
UIKeyboardTypeURL	Keyboard is optimized for URL entry.
UIKeyboardTypeNumberPad	Keyboard is used for PIN input and shows a numeric keyboard.
UIKeyboardTypePhonePad	Keyboard is optimized for entering phone numbers.
UIKeyboardTypeNamePhonePad	Keyboard is used for entering name or phone number.
UIKeyboardTypeEmailAddress	Keyboard is optimized for entering email address.
UIKeyboardTypeDecimalPad	Keyboard is used for entering decimal numbers.
UIKeyboardTypeTwitter	Keyboard is optimized for twitter with @ and # symbols.

## Add a Custom Method addTextFieldWithDifferentKeyboard

```
-(void) addTextFieldWithDifferentKeyboard{  
  
    UITextField *textField1= [[UITextField alloc] initWithFrame:  
    CGRectMake(20, 50, 280, 30)];  
    textField1.delegate = self;  
    textField1.borderStyle = UITextBorderStyleRoundedRect;  
    textField1.placeholder = @"Default Keyboard";  
    [self.view addSubview:textField1];  
  
    UITextField *textField2 = [[UITextField alloc] initWithFrame:  
    CGRectMake(20, 100, 280, 30)];  
    textField2.delegate = self;  
    textField2.borderStyle = UITextBorderStyleRoundedRect;  
    textField2.keyboardType = UIKeyboardTypeASCIICapable;  
    textField2.placeholder = @"ASCII keyboard";  
    [self.view addSubview:textField2];  
  
    UITextField *textField3 = [[UITextField alloc] initWithFrame:  
    CGRectMake(20, 150, 280, 30)];  
    textField3.delegate = self;  
    textField3.borderStyle = UITextBorderStyleRoundedRect;  
    textField3.keyboardType = UIKeyboardTypePhonePad;  
    textField3.placeholder = @"Phone pad keyboard";  
}
```

```

[self.view addSubview:textField3];

UITextField *textField4 = [[UITextField alloc] initWithFrame:
CGRectMake(20, 200, 280, 30)];
textField4.delegate = self;
textField4.borderStyle = UITextBorderStyleRoundedRect;
textField4.keyboardType = UIKeyboardTypeDecimalPad;
textField4.placeholder = @"Decimal pad keyboard";
[self.view addSubview:textField4];

UITextField *textField5= [[UITextField alloc] initWithFrame:
CGRectMake(20, 250, 280, 30)];
textField5.delegate = self;
textField5.borderStyle = UITextBorderStyleRoundedRect;
textField5.keyboardType = UIKeyboardTypeEmailAddress;
textField5.placeholder = @"Email keyboard";
[self.view addSubview:textField5];

UITextField *textField6= [[UITextField alloc] initWithFrame:
CGRectMake(20, 300, 280, 30)];
textField6.delegate = self;
textField6.borderStyle = UITextBorderStyleRoundedRect;
textField6.keyboardType = UIKeyboardTypeURL;
textField6.placeholder = @"URL keyboard";
[self.view addSubview:textField6];
}

```

Update viewDidLoad in ViewController.m as follows –

```

(void)viewDidLoad
{
    [super viewDidLoad];
    //The custom method to create textfield with different keyboard input
    [self addTextFieldWithDifferentKeyboard];
    //Do any additional setup after loading the view, typically from a nib
}

```

## Output

When we run the application, we'll get the following output –



We will see different keyboards displayed on selecting each of the text fields.