

IOS - VIEW TRANSITIONS

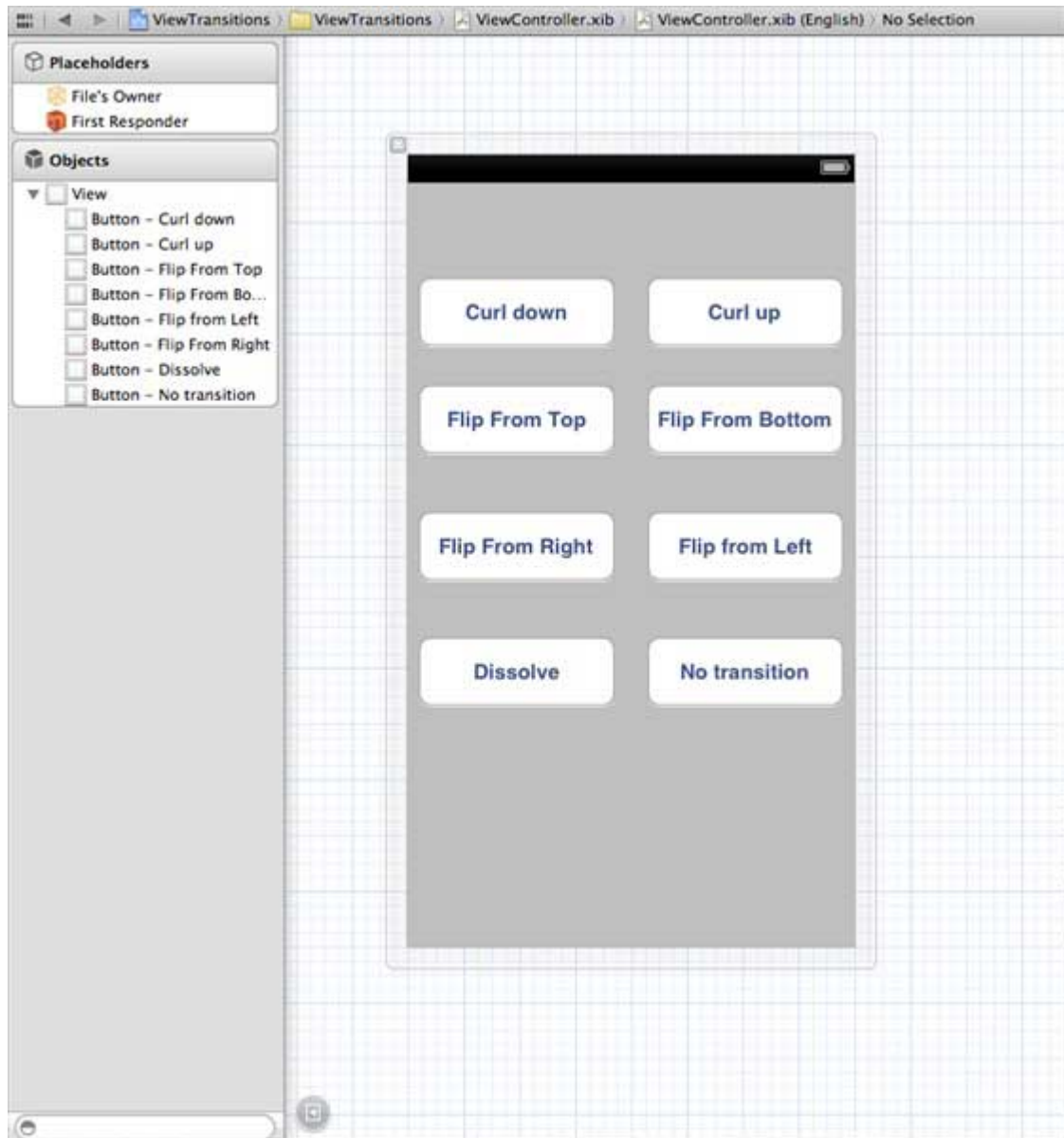
http://www.tutorialspoint.com/ios/ios_ui_elements_view_transition.htm

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Use of View Transitions

View Transitions are effective ways of adding one view on another view with a proper transition animation effect.

Update ViewController.xib as follows –



Create actions for the buttons that are created in xib.

Update ViewController.h

Declare two view instances in ViewController class. The **ViewController.h** file will look as follows after creating the actions –

```
#import <UIKit/UIKit.h>

@interface ViewController : UIViewController
{
    UIView *view1;
    UIView *view2;
}
```

```

-(IBAction)flipFromLeft:(id)sender;
-(IBAction)flipFromRight:(id)sender;
-(IBAction)flipFromTop:(id)sender;
-(IBAction)flipFromBottom:(id)sender;
-(IBAction)curlUp:(id)sender;
-(IBAction)curlDown:(id)sender;
-(IBAction)dissolve:(id)sender;
-(IBAction)noTransition:(id)sender;

```

```
@end
```

Update ViewController.m

We will add a custom method **setUpView** to initialize the views. We also create another method **doTransitionWithType:** that creates transition from **view1** to **view2** or vice versa. Then we will implement the action methods we created before that calls the **doTransitionWithType:** method with the transition type. The updated **ViewController.m** is follows –

```

#import "ViewController.h"

@interface ViewController ()

@end

@implementation ViewController

- (void)viewDidLoad
{
    [super viewDidLoad];
    [self setUpView];
    // Do any additional setup after loading the view, typically from a nib.
}

- (void)setUpView{
    view1 = [[UIView alloc] initWithFrame:self.view.frame];
    view1.backgroundColor = [UIColor lightTextColor];
    view2 = [[UIView alloc] initWithFrame:self.view.frame];
    view2.backgroundColor = [UIColor orangeColor];
    [self.view addSubview:view1];
    [self.view sendSubviewToBack:view1];
}

- (void)doTransitionWithType:(UIViewAnimationTransition)animationTransitionType{
    if ([[self.view subviews] containsObject:view2 ]) {
        [UIView transitionFromView:view2
                        toView:view1
                        duration:2
                        options:animationTransitionType
                        completion:^(BOOL finished){
                            [view2 removeFromSuperview];
                        }];
        [self.view addSubview:view1];
        [self.view sendSubviewToBack:view1];
    }
    else{
        [UIView transitionFromView:view1
                        toView:view2
                        duration:2
                        options:animationTransitionType
                        completion:^(BOOL finished){
                            [view1 removeFromSuperview];
                        }];
        [self.view addSubview:view2];
        [self.view sendSubviewToBack:view2];
    }
}

```

```

}

-(IBAction)flipFromLeft:(id)sender
{
    [self doTransitionWithType:UIViewAnimationOptionTransitionFlipFromLeft];
}

-(IBAction)flipFromRight:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionFlipFromRight];
}

-(IBAction)flipFromTop:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionFlipFromTop];
}

-(IBAction)flipFromBottom:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionFlipFromBottom];
}

-(IBAction)curlUp:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionCurlUp];
}

-(IBAction)curlDown:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionCurlDown];
}

-(IBAction)dissolve:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionCrossDissolve];
}

-(IBAction)noTransition:(id)sender{
    [self doTransitionWithType:UIViewAnimationOptionTransitionNone];
}

}

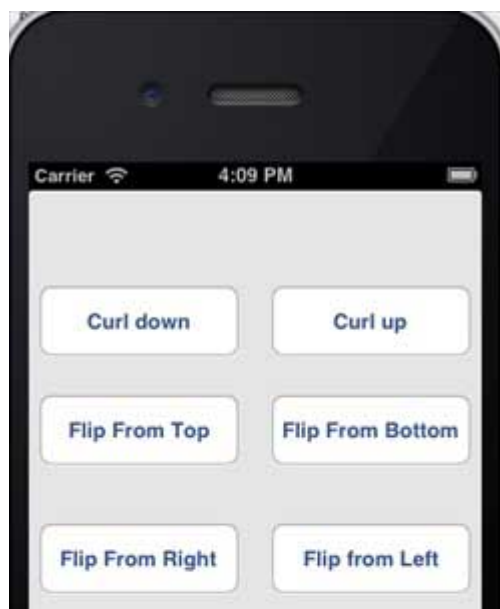
- (void)didReceiveMemoryWarning
{
    [super didReceiveMemoryWarning];
    // Dispose of any resources that can be recreated.
}

@end

```

Output

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





You can select different buttons to see how the transition works. On selecting a curl up, the transition will be as follows –

