```
1. //
2. // AppDelegate.h
3. // AnnotatedUtilityApp
4. //
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @class MainViewController;
12.
13. @interface AppDelegate : UIResponder <UIApplicationDelegate>
14.
15. @property (strong, nonatomic) UIWindow *window;
16.
17. @property (strong, nonatomic) MainViewController *mainViewController;
18.
19. @end
```

```
1. //
 2. // AppDelegate.m
 3. // AnnotatedUtilityApp
 4. //
 5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
 7. //
8.
9. #import "AppDelegate.h"
10.
11. #import "MainViewController.h"
12.
13. @implementation AppDelegate
14.
15. @synthesize window = _window;
16. @synthesize mainViewController = _mainViewController;
17.
18. - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
19. {
20.
        self.window = [[UIWindow alloc] initWithFrame:[[UIScreen mainScreen] bounds]];
21.
        // Override point for customization after application launch.
22.
        self.mainViewController = [[MainViewController alloc] initWithNibName:@"MainViewController" bundle:nil];
23.
        self.window.rootViewController = self.mainViewController;
24.
        [self.window makeKeyAndVisible];
25.
        return YES;
26. }
27.
28. - (void)applicationWillResignActive:(UIApplication *)application
29. {
        // Sent when the application is about to move from active to inactive state. This can occur for certain types of temporary interruptions
30.
    (such as an incoming phone call or SMS message) or when the user quits the application and it begins the transition to the background state.
31.
        // Use this method to pause ongoing tasks, disable timers, and throttle down OpenGL ES frame rates. Games should use this method to pause
    the game.
32. }
33.
34. - (void)applicationDidEnterBackground:(UIApplication *)application
35. {
36.
        // Use this method to release shared resources, save user data, invalidate timers, and store enough application state information to
    restore your application to its current state in case it is terminated later.
        // If your application supports background execution, this method is called instead of applicationWillTerminate: when the user quits.
37.
38. }
39.
40. - (void)applicationWillEnterForeground:(UIApplication *)application
41. {
42.
        // Called as part of the transition from the background to the inactive state; here you can undo many of the changes made on entering the
    background.
43. }
44.
```

```
1. //
2. // FlipsideViewController.h
// AnnotatedUtilityApp
 4. //
5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @class FlipsideViewController;
12.
13. // Define a new protocol that will be implemented by another controller(s)
14. @protocol FlipsideViewControllerDelegate
15. - (void)flipsideViewControllerDidFinish:(FlipsideViewController *)controller;
16. @end
17.
18. @interface FlipsideViewController : UIViewController
19.
20. // Instance of the controller that will implement our protocol
21. @property (weak, nonatomic) id <flipsideViewControllerDelegate> delegate;
22.
23. - (IBAction)done:(id)sender;
24.
25. @end
```

```
1. //
 2. // FlipsideViewController.m
 3. // AnnotatedUtilityApp
 4. //
5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "FlipsideViewController.h"
10.
11. @interface FlipsideViewController ()
12.
13. @end
14.
15. @implementation FlipsideViewController
16.
17. @synthesize delegate = _delegate;
18.
19. - (void)viewDidLoad
20. {
21.
        [super viewDidLoad];
22. }
23.
24. - (void)viewDidUnload
25. {
26.
        [super viewDidUnload];
27. }
28.
29. - (BOOL)shouldAutorotateToInterfaceOrientation:(UIInterfaceOrientation)interfaceOrientation
30. {
31.
        return (interfaceOrientation != UIInterfaceOrientationPortraitUpsideDown);
32. }
33.
34. #pragma mark - Actions
35.
36. /**
37. * Fired when user presses done button in top-left of menu bar
38. *
39. */
40. - (IBAction)done:(id)sender
41. {
42.
        // tell the delegate to fire the flipsideViewControllerDidFinish method, where we hide this controller
43.
        [self.delegate flipsideViewControllerDidFinish:self];
44. }
45.
46. @end
```

```
1. //
2. // MainViewController.h
3. // AnnotatedUtilityApp
4. //
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "FlipsideViewController.h"
10.
11. @interface MainViewController : UIViewController <FlipsideViewControllerDelegate>
12.
13. - (IBAction)showInfo:(id)sender;
14.
15. @end
```

```
1. //
 2. // MainViewController.m
 3. // AnnotatedUtilityApp
 5. // Created by Tommy MacWilliam on 3/19/12.
        Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "MainViewController.h"
10.
11. @interface MainViewController ()
12.
13. @end
14.
15. @implementation MainViewController
16.
17.
18. - (void)viewDidLoad
19. {
20.
        [super viewDidLoad];
21. }
22.
23. - (void)viewDidUnload
24. {
25.
        [super viewDidUnload];
26. }
27.
28. - (BOOL)shouldAutorotateToInterfaceOrientation:(UIInterfaceOrientation)interfaceOrientation
30.
        return (interfaceOrientation != UIInterfaceOrientationPortraitUpsideDown);
31. }
32.
33. #pragma mark - Flipside View
34.
35. /**
36. * Defined in FlipSideViewControllerDelegate and fired from the FlipSideViewController.
37. * Signifies the FlipSideViewController has finished and can be hidden
38.
39. */
40. - (void)flipsideViewControllerDidFinish:(FlipsideViewController *)controller
41. {
42.
        [self dismissModalViewControllerAnimated:YES];
43. }
44.
45. /**
46. * Fired when user taps the info button in the bottom-right corner
47. *
48. */
```

```
49. - (IBAction)showInfo:(id)sender
50. {
51.
        // create new instance of the viewcontroller for the other side
52.
        FlipsideViewController *controller = [[FlipsideViewController alloc] initWithNibName:@"FlipsideView" bundle:nil];
53.
        // this is the delegate for the controller (where we'll define any methods specified in the protocol)
54.
        controller.delegate = self;
55.
        // define the transition for the new controller
56.
57.
        controller.modalTransitionStyle = UIModalTransitionStyleFlipHorizontal;
        // show the controller
58.
59.
        [self presentModalViewController:controller animated:YES];
60. }
61.
62. @end
```

```
1. //
2. // AppDelegate.h
3. // CustomProtocolExample
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @class ViewController;
12.
13. @interface AppDelegate : UIResponder <UIApplicationDelegate>
14.
15. @property (strong, nonatomic) UIWindow *window;
16.
17. @property (strong, nonatomic) ViewController *viewController;
18.
19. @end
```

```
1. //
 2. // AppDelegate.m
 3. // CustomProtocolExample
 4. //
 5. // Created by Tommy MacWilliam on 3/19/12.
        Copyright (c) 2012 __MyCompanyName__. All rights reserved.
 7. //
8.
9. #import "AppDelegate.h"
10.
11. #import "ViewController.h"
12.
13. @implementation AppDelegate
14.
15. @synthesize window = _window;
16. @synthesize viewController = _viewController;
17.
18. - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
19. {
20.
        self.window = [[UIWindow alloc] initWithFrame:[[UIScreen mainScreen] bounds]];
21.
        // Override point for customization after application launch.
22.
        self.viewController = [[ViewController alloc] initWithNibName:@"ViewController" bundle:nil];
        self.window.rootViewController = self.viewController;
23.
24.
        [self.window makeKeyAndVisible];
25.
        return YES;
26. }
27.
28. - (void)applicationWillResignActive:(UIApplication *)application
29. {
        // Sent when the application is about to move from active to inactive state. This can occur for certain types of temporary interruptions
30.
    (such as an incoming phone call or SMS message) or when the user quits the application and it begins the transition to the background state.
31.
        // Use this method to pause ongoing tasks, disable timers, and throttle down OpenGL ES frame rates. Games should use this method to pause
    the game.
32. }
33.
34. - (void)applicationDidEnterBackground:(UIApplication *)application
35. {
36.
        // Use this method to release shared resources, save user data, invalidate timers, and store enough application state information to
    restore your application to its current state in case it is terminated later.
        // If your application supports background execution, this method is called instead of applicationWillTerminate: when the user quits.
37.
38. }
39.
40. - (void)applicationWillEnterForeground:(UIApplication *)application
41. {
42.
        // Called as part of the transition from the background to the inactive state; here you can undo many of the changes made on entering the
    background.
43. }
44.
```

```
1. //
2. // CA.h
3. // CustomProtocolExample
4. //
5. // Created by Tommy MacWilliam on 3/20/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <Foundation/Foundation.h>
10. #import "ViewController.h"
11.
12. @interface CA : NSObject <GraderProtocol>
13.
14. @end
```

```
1. //
2. // CA.m
3. // CustomProtocolExample
 4. //
5. // Created by Tommy MacWilliam on 3/20/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "CA.h"
10.
11. @implementation CA
12.
13. - (int)grade
14. {
15.
        return 100;
16. }
17.
18. - (void)distributeGrades:(NSArray *)grades toStudents:(NSArray *)students
20.
        NSLog(@"Pfft, way ahead of you");
21. }
22.
23. @end
```

```
1. //
2. // TF.h
3. // CustomProtocolExample
4. //
5. // Created by Tommy MacWilliam on 3/20/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <Foundation/Foundation.h>
10. #import "ViewController.h"
11.
12. @interface TF : NSObject <GraderProtocol>
13.
14. @end
```

```
1. //
2. // TF.m
 3. // CustomProtocolExample
 4. //
5. // Created by Tommy MacWilliam on 3/20/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "TF.h"
10. #import <stdlib.h>
11.
12. @implementation TF
13.
14. - (int)grade
15. {
        return arc4random() % 100;
16.
17. }
18.
19. - (void)distributeGrades:(NSArray *)grades toStudents:(NSArray *)students
20. {
21.
        NSLog(@"All done!");
22. }
23.
24. @end
```

```
1. //
 2. // ViewController.h
 3. // CustomProtocolExample
 4. //
5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @protocol GraderProtocol
12.
13. - (int)grade;
14. - (void)distributeGrades:(NSArray *)grades toStudents:(NSArray *)students;
15.
16. @end
17.
18. @interface ViewController : UIViewController
19.
20. @end
```

```
1. //
 2. // ViewController.m
 3. // CustomProtocolExample
5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "ViewController.h"
10. #import "CA.h"
11. #import "TF.h"
12.
13. @implementation ViewController
14.
15. - (void)viewDidLoad
16. {
17.
        [super viewDidLoad];
18.
19.
        // create staff objects
20.
        TF *tommy = [[TF alloc] init];
21.
        TF *rob = [[TF alloc] init];
22.
        CA *bob = [[CA alloc] init];
23.
        // create collection of staff
24.
25.
        NSArray *staffers = [NSArray arrayWithObjects:tommy, rob, bob, nil];
26.
27.
        // iterate through staff and assign grades
28.
        for (id<GraderProtocol> staff in staffers)
29.
            NSLog(@"Grade is: %d", [staff grade]);
30. }
31.
32. - (void)viewDidUnload
33. {
34.
        [super viewDidUnload];
35. }
36.
37. - (BOOL)shouldAutorotateToInterfaceOrientation:(UIInterfaceOrientation)interfaceOrientation
38. {
39.
        return (interfaceOrientation != UIInterfaceOrientationPortraitUpsideDown);
40. }
41.
42. @end
```

```
1. //
2. // AppDelegate.h
3. // HiddenUITextFieldExample
4. //
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @class ViewController;
12.
13. @interface AppDelegate : UIResponder <UIApplicationDelegate>
14.
15. @property (strong, nonatomic) UIWindow *window;
16.
17. @property (strong, nonatomic) ViewController *viewController;
18.
19. @end
```

```
1. //
 2. // AppDelegate.m
 3. // HiddenUITextFieldExample
 4. //
 5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
 7. //
8.
9. #import "AppDelegate.h"
10.
11. #import "ViewController.h"
12.
13. @implementation AppDelegate
14.
15. @synthesize window = _window;
16. @synthesize viewController = _viewController;
17.
18. - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
19. {
20.
        self.window = [[UIWindow alloc] initWithFrame:[[UIScreen mainScreen] bounds]];
21.
        // Override point for customization after application launch.
22.
        self.viewController = [[ViewController alloc] initWithNibName:@"ViewController" bundle:nil];
        self.window.rootViewController = self.viewController;
23.
24.
        [self.window makeKeyAndVisible];
25.
        return YES;
26. }
27.
28. - (void)applicationWillResignActive:(UIApplication *)application
29. {
        // Sent when the application is about to move from active to inactive state. This can occur for certain types of temporary interruptions
30.
    (such as an incoming phone call or SMS message) or when the user quits the application and it begins the transition to the background state.
31.
        // Use this method to pause ongoing tasks, disable timers, and throttle down OpenGL ES frame rates. Games should use this method to pause
    the game.
32. }
33.
34. - (void)applicationDidEnterBackground:(UIApplication *)application
35. {
36.
        // Use this method to release shared resources, save user data, invalidate timers, and store enough application state information to
    restore your application to its current state in case it is terminated later.
        // If your application supports background execution, this method is called instead of applicationWillTerminate: when the user quits.
37.
38. }
39.
40. - (void)applicationWillEnterForeground:(UIApplication *)application
41. {
42.
        // Called as part of the transition from the background to the inactive state; here you can undo many of the changes made on entering the
    background.
43. }
44.
```

```
1. //
2. // ViewController.h
3. // HiddenUITextFieldExample
4. //
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @interface ViewController : UIViewController <UITextFieldDelegate>
12.
13. @property (weak, nonatomic) IBOutlet UILabel *label;
14. @property (weak, nonatomic) IBOutlet UITextField *textField;
15.
16. @end
```

```
1. //
 2. // ViewController.m
 3. // HiddenUITextFieldExample
 5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "ViewController.h"
10.
11. @implementation ViewController
12.
13. @synthesize label = _label;
14. @synthesize textField = _textField;
15.
16. - (void)viewDidLoad
17. {
18.
        [super viewDidLoad];
19.
20.
        // hide text field by default
21.
        self.textField.hidden = YES;
22.
23.
        // display keyboard
        [self.textField becomeFirstResponder];
24.
25. }
26.
27. - (void)viewDidUnload
28. {
29.
        [super viewDidUnload];
30. }
31.
32. - (BOOL) shouldAutorotateToInterfaceOrientation: (UIInterfaceOrientation) interfaceOrientation
33. {
34.
        return (interfaceOrientation != UIInterfaceOrientationPortraitUpsideDown);
35. }
36.
37. /**
38. * Called whenever the user presses a key, but before the text field is actually updated
39. *
40. */
41. - (BOOL)textField:(UITextField *)textField shouldChangeCharactersInRange:(NSRange)range replacementString:(NSString *)string
42. {
43.
        // append newly typed letter to display label
44.
        self.label.text = [NSString stringWithFormat:@"%@%@", self.label.text, string];
45.
46.
        // allow text field to change
47.
        return YES;
48. }
```

49.

50. @end

```
1. //
2. // AppDelegate.h
3. // NSUserDefaultsExample
5. // Created by Tommy MacWilliam on 3/21/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @class ViewController;
12.
13. @interface AppDelegate : UIResponder <UIApplicationDelegate>
14.
15. @property (strong, nonatomic) UIWindow *window;
16.
17. @property (strong, nonatomic) ViewController *viewController;
18.
19. @end
```

```
1. //
 2. // AppDelegate.m
 3. // NSUserDefaultsExample
 4. //
 5. // Created by Tommy MacWilliam on 3/21/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
 7. //
8.
9. #import "AppDelegate.h"
10.
11. #import "ViewController.h"
12.
13. @implementation AppDelegate
14.
15. @synthesize window = _window;
16. @synthesize viewController = _viewController;
17.
18. - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
19. {
20.
        self.window = [[UIWindow alloc] initWithFrame:[[UIScreen mainScreen] bounds]];
21.
        // Override point for customization after application launch.
22.
        self.viewController = [[ViewController alloc] initWithNibName:@"ViewController" bundle:nil];
        self.window.rootViewController = self.viewController;
23.
24.
        [self.window makeKeyAndVisible];
25.
        return YES;
26. }
27.
28. - (void)applicationWillResignActive:(UIApplication *)application
29. {
        // Sent when the application is about to move from active to inactive state. This can occur for certain types of temporary interruptions
30.
    (such as an incoming phone call or SMS message) or when the user quits the application and it begins the transition to the background state.
31.
        // Use this method to pause ongoing tasks, disable timers, and throttle down OpenGL ES frame rates. Games should use this method to pause
    the game.
32. }
33.
34. - (void)applicationDidEnterBackground:(UIApplication *)application
35. {
36.
        // Use this method to release shared resources, save user data, invalidate timers, and store enough application state information to
    restore your application to its current state in case it is terminated later.
        // If your application supports background execution, this method is called instead of applicationWillTerminate: when the user quits.
37.
38. }
39.
40. - (void)applicationWillEnterForeground:(UIApplication *)application
41. {
42.
        // Called as part of the transition from the background to the inactive state; here you can undo many of the changes made on entering the
    background.
43. }
44.
```

```
1. //
 2. // ViewController.h
 3. // NSUserDefaultsExample
 4. //
5. // Created by Tommy MacWilliam on 3/21/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @interface ViewController : UIViewController
12.
13. @property (weak, strong) IBOutlet UITextField *textField;
15. - (IBAction)buttonPressed:(id)sender;
16.
17. @end
```

```
1. //
 2. // ViewController.m
 3. // NSUserDefaultsExample
 4. //
 5. // Created by Tommy MacWilliam on 3/21/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import "ViewController.h"
10.
11. @implementation ViewController
12.
13. @synthesize textField = _textField;
14.
15. - (void)viewDidLoad
16. {
17.
        [super viewDidLoad];
18.
19.
        // set default values
20.
        NSMutableDictionary *defaultValues = [[NSMutableDictionary alloc] init];
21.
        [defaultValues setObject:@"" forKey:@"text"];
22.
23.
        // register defaults
        NSUserDefaults *defaults = [NSUserDefaults standardUserDefaults];
24.
25.
        [defaults registerDefaults:defaultValues];
26.
27.
        // load saved text into text field
28.
        self.textField.text = [defaults stringForKey:@"text"];
29. }
30.
31. - (void)viewDidUnload
32. {
        [super viewDidUnload];
33.
34. }
35.
36. - (BOOL)shouldAutorotateToInterfaceOrientation:(UIInterfaceOrientation)interfaceOrientation
37. {
38.
        return (interfaceOrientation != UIInterfaceOrientationPortraitUpsideDown);
39. }
40.
41. - (void)buttonPressed:(id)sender
42. {
43.
        // save value
44.
        NSUserDefaults *defaults = [NSUserDefaults standardUserDefaults];
45.
        [defaults setObject:self.textField.text forKey:@"text"];
46.
        [defaults synchronize];
47.
48.
        // hide keyboard
```

```
49. [self.textField resignFirstResponder];
50. }
51.
52. @end
```

```
1. //
2. // AppDelegate.h
3. // PropertyListExample
4. //
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @class ViewController;
12.
13. @interface AppDelegate : UIResponder <UIApplicationDelegate>
14.
15. @property (strong, nonatomic) UIWindow *window;
16.
17. @property (strong, nonatomic) ViewController *viewController;
18.
19. @end
```

```
1. //
 2. // AppDelegate.m
 3. // PropertyListExample
 4. //
 5. // Created by Tommy MacWilliam on 3/19/12.
 6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
 7. //
8.
9. #import "AppDelegate.h"
10.
11. #import "ViewController.h"
12.
13. @implementation AppDelegate
14.
15. @synthesize window = _window;
16. @synthesize viewController = _viewController;
17.
18. - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(NSDictionary *)launchOptions
19. {
20.
        self.window = [[UIWindow alloc] initWithFrame:[[UIScreen mainScreen] bounds]];
21.
        // Override point for customization after application launch.
22.
        self.viewController = [[ViewController alloc] initWithNibName:@"ViewController" bundle:nil];
        self.window.rootViewController = self.viewController;
23.
24.
        [self.window makeKeyAndVisible];
25.
        return YES;
26. }
27.
28. - (void)applicationWillResignActive:(UIApplication *)application
29. {
        // Sent when the application is about to move from active to inactive state. This can occur for certain types of temporary interruptions
30.
    (such as an incoming phone call or SMS message) or when the user quits the application and it begins the transition to the background state.
31.
        // Use this method to pause ongoing tasks, disable timers, and throttle down OpenGL ES frame rates. Games should use this method to pause
    the game.
32. }
33.
34. - (void)applicationDidEnterBackground:(UIApplication *)application
35. {
36.
        // Use this method to release shared resources, save user data, invalidate timers, and store enough application state information to
    restore your application to its current state in case it is terminated later.
        // If your application supports background execution, this method is called instead of applicationWillTerminate: when the user quits.
37.
38. }
39.
40. - (void)applicationWillEnterForeground:(UIApplication *)application
41. {
42.
        // Called as part of the transition from the background to the inactive state; here you can undo many of the changes made on entering the
    background.
43. }
44.
```

```
1. //
2. // ViewController.h
3. // PropertyListExample
4. //
5. // Created by Tommy MacWilliam on 3/19/12.
6. // Copyright (c) 2012 __MyCompanyName__. All rights reserved.
7. //
8.
9. #import <UIKit/UIKit.h>
10.
11. @interface ViewController : UIViewController
12.
13. @end
```

```
1. //
 2. // ViewController.m
 3. // PropertyListExample
 4. //
 5. // Created by Tommy MacWilliam on 3/19/12.
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7. //
8.
9. #import "ViewController.h"
10.
11. @implementation ViewController
12.
13. - (void)viewDidLoad
14. {
15.
        [super viewDidLoad];
16.
17.
        // load plist file into dictionary
18.
        NSMutableDictionary *staff = [[NSMutableDictionary alloc] initWithContentsOfFile:
19.
                                      [[NSBundle mainBundle] pathForResource:@"Staff" ofType:@"plist"]];
20.
21.
        // iterate over values in the staff array
22.
        int y = 10;
23.
        for (NSString *tf in [staff valueForKey:@"staff"]) {
24.
            // create a label to display staff info
25.
            UILabel *label = [[UILabel alloc] initWithFrame:CGRectMake(30, y, 300, 20)];
26.
            label.text = tf;
27.
28.
            // add the staff label to the view
            [self.view addSubview:label];
29.
30.
31.
            // the next label should be displayed below this one
32.
            y += 30;
33.
34. }
35.
36. - (void)viewDidUnload
37. {
        [super viewDidUnload];
38.
39. }
40.
41. - (BOOL) shouldAutorotateToInterfaceOrientation: (UIInterfaceOrientation) interfaceOrientation
42. {
43.
        return (interfaceOrientation != UIInterfaceOrientationPortraitUpsideDown);
44. }
45.
46. @end
```