

iOS



Introduction To UIWebView

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UIWebView

- You use the UIWebView class to embed web content in your application
- To do so, you simply create a UIWebView object, attach it to a window, and send it a request to load web content
- In addition to HTML content, UIWebView objects can be used to display other content types
 - As .ppt,.pdf,.doc for more visit link
 - https://developer.apple.com/library/ios/qa/qa1630/index.html#//apple_ref/doc/uid/DTS40008749

Load content to UIWebView



- There are three instance method by which you can load your data to your UIWebView
 - - (void)loadData:(NSData *)data
MIMETYPE:(NSString *)MIMETYPE
textEncodingName:(NSString *)encodingName
baseURL:(NSURL *)baseURL
 - - (void)loadHTMLString:(NSString *)string
baseURL:(NSURL *)baseURL
 - - (void)loadRequest:(NSURLRequest *)request



Example

- Adding url
 - NSURL *targetURL = [NSURL URLWithString:@"http://developer.apple.com/"];
- Creating Request
 - NSURLRequest *request = [NSURLRequest requestWithURL:targetURL];
- Loading Content
 - [webView loadRequest:request];

Evaluating JavaScript in UIWebView



- You can evaluate result of a running javascript in your UIWebView

- (NSString*)

stringByEvaluatingJavaScriptFromString:(NSString*)scrip

- Example:

– [webView stringByEvaluatingJavaScriptFromString
:@"methodName()"];

It will return result in NSString form

Accessing any form field value:

```
NSString *formValue1 = [webview  
stringByEvaluatingJavaScriptFromString:@"document.forms[0].elements[0].value"];
```

Implement UIWebView Delegate

- Change in .h(ViewController) file
 - Add <UIWebViewDelegate> in .h file.
- Change in .m file
 - Usually in viewDidLoad
 - [self.webView setDelegate:self];
 - All methods are optional
 - Implement as desired

UIWebView Delegate Methods



- `-(void)webViewDidStartLoad:(UIWebView *)webView`
 - This method is called when webView start loading a frame
- `-(void)webView:(UIWebView *)webView didFailLoadWithError:(NSError *)error`
 - This method is called when UIWebView is unable to load data due to some error



UIWebView Delegate Methods

- `(BOOL)webView:(UIWebView*)webView
shouldStartLoadWithRequest(NSURLRequest*)request
navigationType(UIWebViewNavigationType)navigationType`
 - This method is called when webView load a frame
caused by navigation
- `-(void)webViewDidFinishLoad:(UIWebView
*)webView`
 - This method is called when webView finished
loading a frame

UIWebViewNavigationType



- Different types of navigations(user action) in UIWebView are:
 - UIWebViewNavigationTypeLinkClicked
 - UIWebViewNavigationTypeFormSubmitted
 - UIWebViewNavigationTypeBackForward
 - UIWebViewNavigationTypeReload
 - UIWebViewNavigationTypeFormResubmitted
 - UIWebViewNavigationTypeOther