



# Lập trình ứng dụng trên iOS

Date picker, Toolbar, Web view,  
AD banner view, Picker view

# Nội dung

- Date picker

- Toolbar

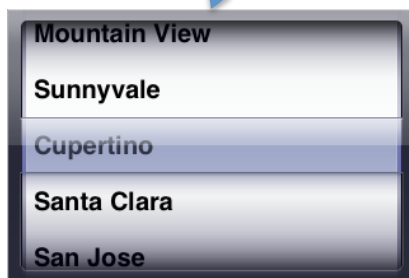
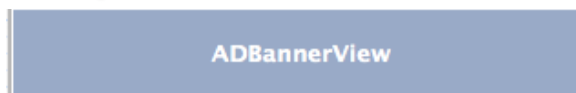
- Web view

- AD Banner view

- Picker view



Sat Nov 26	5	09	
Sun Nov 27	6	10	AM
Today	7	11	PM
Tue Nov 29	8	12	
Wed Nov 30	9	13	





# Date Picker

- Quản lý ngày giờ và lịch
- Cấu hình Date Picker mode
- Cấu hình những thuộc tính thời gian





# Date Picker

- Quản lý ngày giờ và lịch

- Ví dụ:

38  
39  
40  
41  
42  
43  
44  
45  
46

```
NSDate *dateInfo = [datePicker date];  
NSCalendar *calendar = [datePicker calendar];  
[datePicker setDate:[NSDate date] animated:YES];  
NSTimeZone *timezone = [datePicker timeZone];  
NSLocale *locale = [datePicker locale];
```

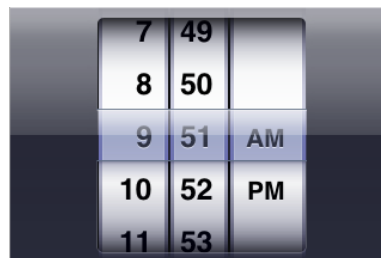
# Date Picker

- Cấu hình Date Picker mode
  - @property(nonatomic) UIDatePickerMode datePickerMode

```
[datePicker setDatePickerMode:(UIDatePickerMode)];
```



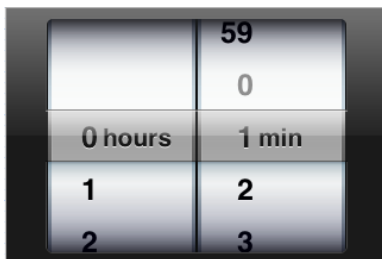
UIDatePickerModeDateAndTime



UIDatePickerModeTime

- Ví dụ:

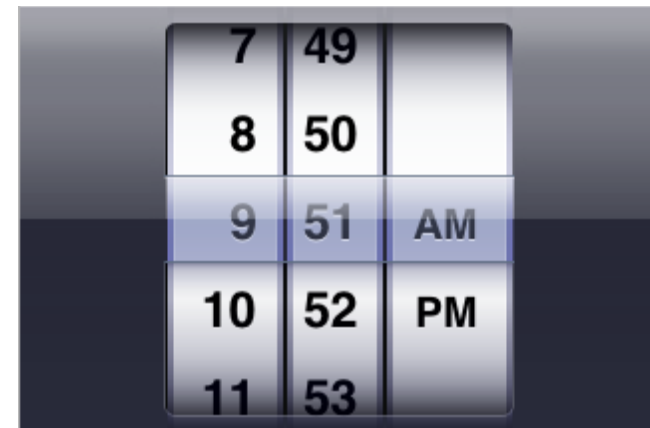
```
[datePicker setDatePickerMode:UIDatePickerModeTime];
```



UIDatePickerModeCountDownTimer



UIDatePickerModeDate





# Date Picker

- Cấu hình những thuộc tính thời gian
  - @property(nonatomic, retain) NSDate \*maximumDate
  - @property(nonatomic, retain) NSDate \*minimumDate
  - @property(nonatomic) NSInteger minuteInterval
  - @property(nonatomic) NSTimeInterval countdownDuration

- Ví dụ:

```
51 NSDate *maxDate = [datePicker maximumDate];
52
53 NSDate *minDate = [datePicker minimumDate];
54
55 NSInteger minuteInterval = [datePicker minuteInterval];
56
57 double countdownDuration = [datePicker countdownDuration];
```



# Toolbar

- Cấu hình Toolbar
- Cấu hình Toolbar items
- Tùy chọn hiển thị





# Toolbar

- Cấu hình Toolbar
  - @property(n nonatomic) UIBarStyle barStyle
  - @property(n nonatomic, assign, getter=isTranslucent) BOOL translucent



**UIBarStyleDefault**



**UIBarStyleBlackOpaque**



**UIBarStyleBlackTranslucent**



**UIBarStyleBlackTranslucent**

```
[toolbar setBarStyle:(UIBarStyle)];  
[toolbar setTranslucent:(BOOL)];
```





# Toolbar

- Cấu hình Toolbar items
  - @property(n nonatomic, copy) NSArray \*items
  - (void)setItems:(NSArray \*)items animated:(BOOL)animated

- Ví dụ 1:

```
NSArray *arrItems = [toolbar items];
```

- Ví dụ 2:

```
52 UIBarButtonItem *item1 = [[UIBarButtonItem alloc] initWithBarButtonSystemItem:  
    UIBarButtonSystemItemAction target:self action:@selector(actionItem1:)];  
53 UIBarButtonItem *item2 = [[UIBarButtonItem alloc] initWithBarButtonSystemItem:  
    UIBarButtonSystemItemAction target:self action:@selector(actionItem2:)];  
54 [toolbar setItems:[NSArray arrayWithObjects:item1, item2, nil] animated:YES];
```



# Toolbar

- Tùy chọn hiển thị
  - (UIImage \*)backgroundImageForToolbarPosition:(UIToolbarPosition)topOrBottom barMetrics:(UIBarMetrics)barMetrics
  - (void)setBackgroundImage:(UIImage \*)backgroundImage forToolbarPosition:(UIToolbarPosition)topOrBottom barMetrics:(UIBarMetrics)barMetrics
  - @property(nonatomic, retain) UIColor \*tintColor



# Web view

- Delegate
- Tải nội dung
- Back và Forward trong Web view
- Thiết lập thuộc tính nội dung Web
- Tùy chọn chạy JavaScript
- Xác định loại dữ liệu
- Quản lý media playback





# Web view

- Delegate
  - @property(nonatomic, assign) id<UIWebViewDelegate> delegate
  - Một số delegate
    - (BOOL)webView:(UIWebView \*)webView shouldStartLoadWithRequest:(NSURLRequest \*)request navigationType:(UIWebViewNavigationType)navigationType
    - (void)webViewDidStartLoad:(UIWebView \*)webView
    - (void)webViewDidFinishLoad:(UIWebView \*)webView
    - (void)webView:(UIWebView \*)webView didFailLoadWithError:(NSError \*)error



# Web view

- Tải nội dung
  - @property(nonatomic, readonly, retain) NSURLRequest \*request
  - @property(nonatomic, readonly, getter=isLoading) BOOL loading
  - (void)loadData:(NSData \*)data MIMEType:(NSString \*)MIMEType  
textEncodingName:(NSString \*)encodingName baseURL:(NSURL \*)baseURL
  - (void)loadHTMLString:(NSString \*)string baseURL:(NSURL \*)baseURL
  - (void)loadRequest:(NSURLRequest \*)request
  - (void)stopLoading
  - (void)reload



# Web view

- Back và Forward trong Web view
  - @property(nonatomic, readonly, getter=canGoBack) BOOL canGoBack
  - @property(nonatomic, readonly, getter=canGoForward) BOOL canGoForward
  - (void)goBack
  - (void)goForward



# Web view

- Thiết lập thuộc tính nội dung Web
  - @property(nonatomic) BOOL scalesPageToFit
  - @property(nonatomic, readonly, retain) UIScrollView \*scrollView
  - @property(nonatomic) BOOL detectsPhoneNumbers



# Web view

- Tùy chọn chạy JavaScript
  - (NSString \*)stringByEvaluatingJavaScriptFromString:(NSString \*)script





# Web view

- Xác định loại dữ liệu
  - @property(nonatomic) UIDataDetectorTypes dataDetectorTypes

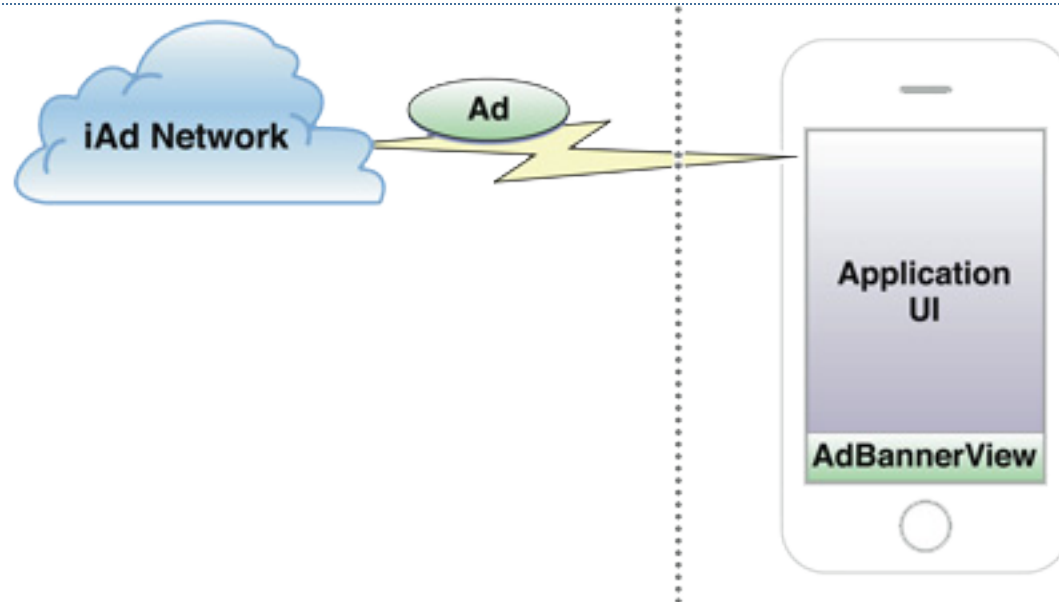


# Web view

- Quản lý media playback
  - @property(nonatomic) BOOL allowsInlineMediaPlayback
  - @property(nonatomic) BOOL mediaPlaybackRequiresUserAction
  - @property(nonatomic) BOOL mediaPlaybackAllowsAirPlay

# AD Banner

- Giới thiệu về iAd
- Những khái niệm về Banner View
- Làm việc với Banner View



# AD Banner

- Giới thiệu về iAd



# AD Banner

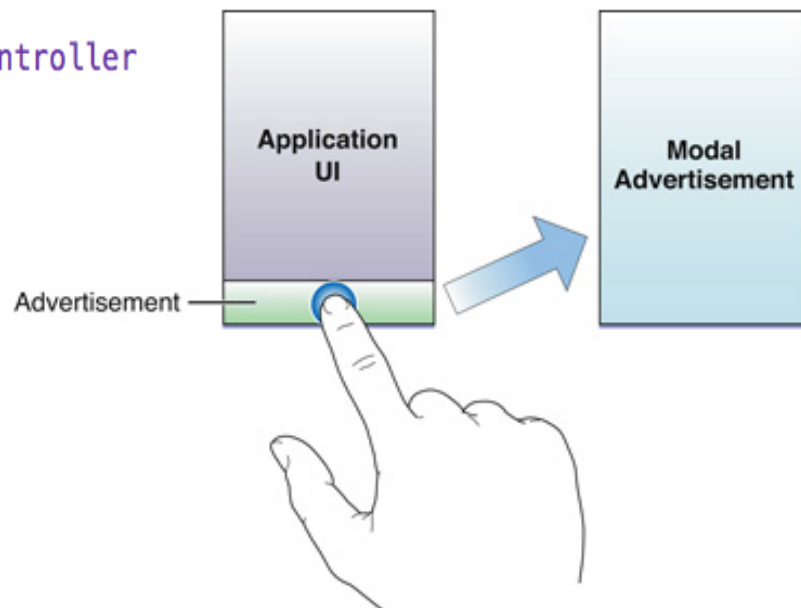
- Những khái niệm về Banner View

Banner View đòi hỏi cần có một View Controller

```
9 #import <UIKit/UIKit.h>
10 #import "iAd/ADBannerView.h"
11 @interface MyViewController : UIViewController
```



Một quảng cáo trong Banner View



Banner action



# AD Banner

- Những khái niệm về Banner View

## Tạo Banner View

```
67 //Tao mot Banner View
68 ADBannerView *adView = [[ADBannerView alloc] initWithFrame:CGRectZero];
69 adView.currentContentSizeIdentifier = ADBannerContentSizeIdentifierPortrait;
70 [self.view addSubview:adView];
```

# AD Banner

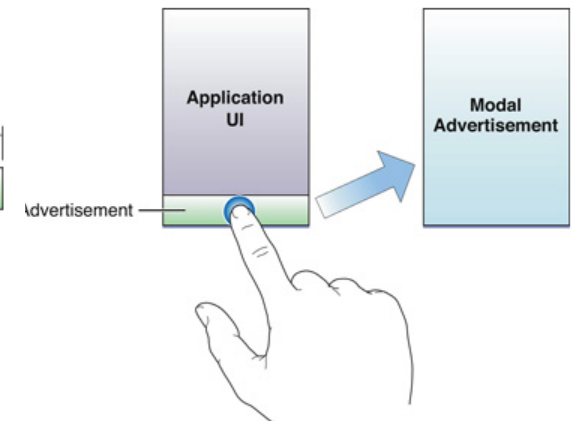
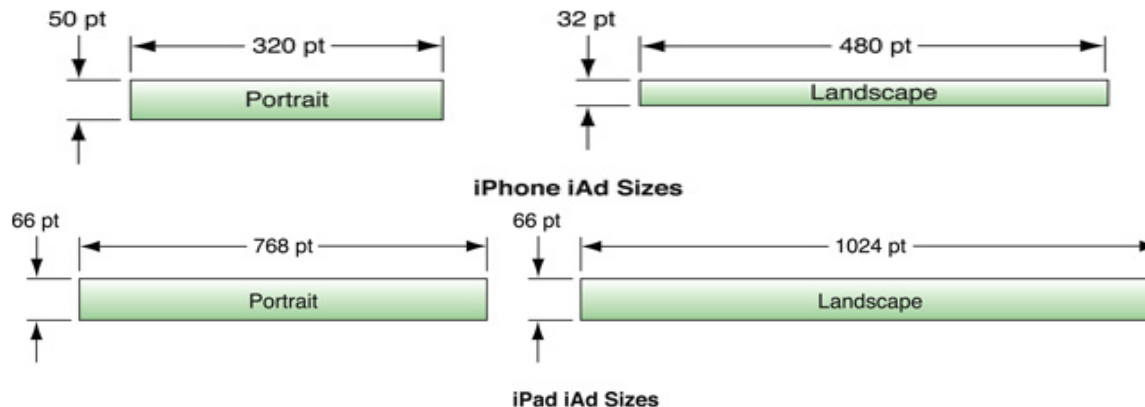
- Những khái niệm về Banner View

Banner View đòi hỏi cần có một View Controller

```
//Tao mot Banner View
ADBannerView *adView = [[ADBannerView alloc] initWithFrame:CGRectZero];
adView.currentContentSizeIdentifier = ADBannerContentSizeIdentifierPortrait;
[self.view addSubview:adView];
```



Một quảng cáo trong Banner View



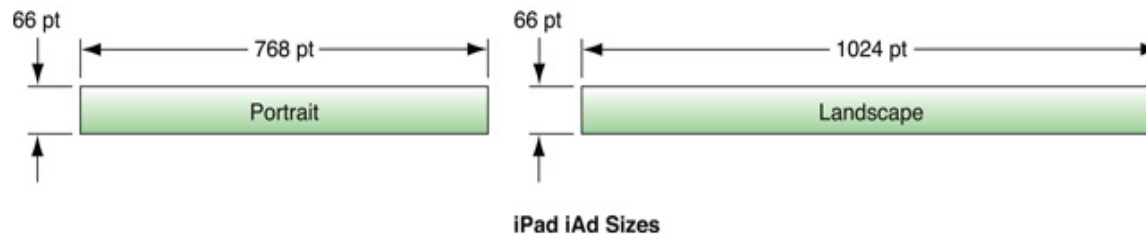
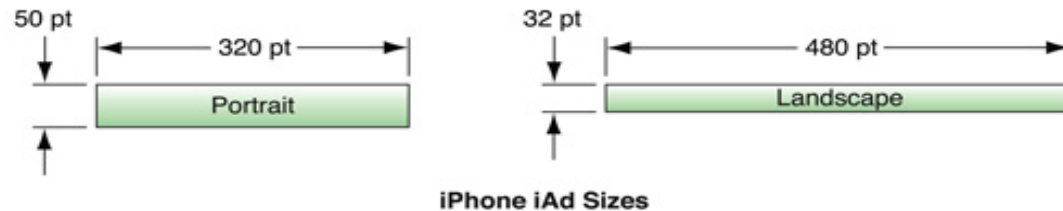
Một Banner action

```
//Tao mot landscape banner view
ADBannerView *adView = [[ADBannerView alloc] initWithFrame:CGRectZero];
adView.requiredContentSizeIdentifiers = [NSSet setWithObject:
    ADBannerContentSizeIdentifierLandscape];
adView.currentContentSizeIdentifier =
    ADBannerContentSizeIdentifierLandscape;
[self.view addSubview:adView];
```

# AD Banner

- Những khái niệm về Banner View

## Kích thước Banner View



```
//Tao mot landscape banner view
ADBannerView *adView = [[ADBannerView alloc] initWithFrame:CGRectZero];
adView.requiredContentSizeIdentifiers = [NSSet setWithObject:
    ADBannerContentSizeIdentifierLandscape];
adView.currentContentSizeIdentifier =
    ADBannerContentSizeIdentifierLandscape;
[self.view addSubview:adView];
```

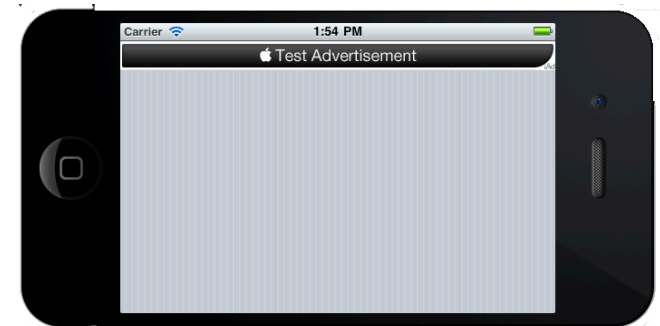
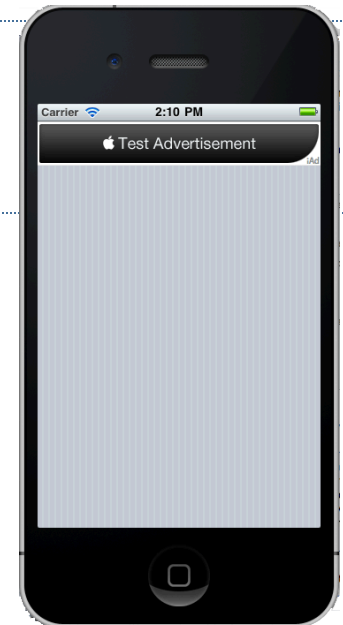


# AD Banner

- Làm việc với Banner View
  - Thay đổi động kích thước Banner

```
// 1. Configuring a banner view to handle landscape and portrait
orientations
self.adView.requiredContentSizeIdentifiers = [NSSet setWithObjects:
    ADBannerContentSizeIdentifierPortrait,
    ADBannerContentSizeIdentifierLandscape, nil];

150 // 2. Responding to an orientation change
151 - (void)willRotateToInterfaceOrientation:(UIInterfaceOrientation)
    toInterfaceOrientation duration:(NSTimeInterval)duration
152 {
153     if (UIInterfaceOrientationIsLandscape(toInterfaceOrientation))
154         self.adView.currentContentSizeIdentifier =
            ADBannerContentSizeIdentifierLandscape;
155     else
156         self.adView.currentContentSizeIdentifier =
            ADBannerContentSizeIdentifierPortrait;
157
158
159 }
```



# AD Banner

- Làm việc với Banner View
  - Nắm bắt các sự kiện liên quan đến Banner
    - Touch vào Banner View
    - Khi tải quảng cáo
    - Lỗi phát sinh

```
12 @interface MyViewController : UIViewController <ADBannerViewDelegate>
```

```
78 - (BOOL)bannerViewActionShouldBegin:(ADBannerView *)banner
    willLeaveApplication:(BOOL)willLeave
79 {
80     NSLog(@"Banner view is beginning an ad action");
81     BOOL shouldExecuteAction = [self allowActionToRun]; // your application
        implements this method
82     if (!willLeave && shouldExecuteAction)
83     {
84         // insert code here to suspend any services that might conflict
            with the advertisement
85     }
86     return shouldExecuteAction;
87 }
```

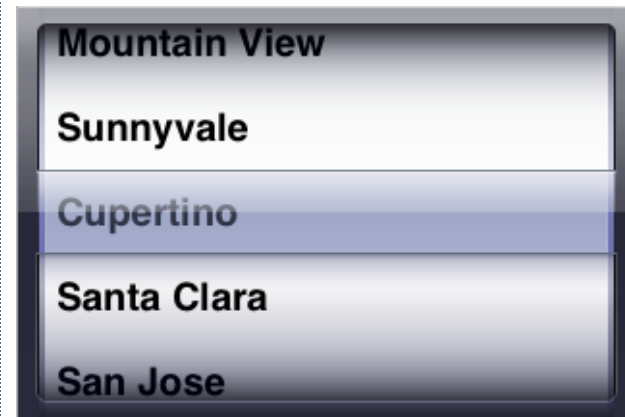
```
89 - (void)bannerViewDidLoadAd:(ADBannerView *)banner
90 {
91     if (!self.bannerIsVisible)
92     {
93         [UIView beginAnimations:@"animateAdBannerOn" context:NULL];
94         // Assumes the banner view is just off the bottom of the screen.
95         banner.frame = CGRectOffset(banner.frame, 0, -banner.frame.size.
            height);
96         [UIView commitAnimations];
97         self.bannerIsVisible = YES;
98     }
99 }
```

```
101 - (void)bannerView:(ADBannerView *)banner didFailToReceiveAdWithError:
    (NSError *)error
102 {
103     if (self.bannerIsVisible)
104     {
105         [UIView beginAnimations:@"animateAdBannerOff" context:NULL];
106         // Assumes the banner view is placed at the bottom of the screen.
107         banner.frame = CGRectOffset(banner.frame, 0, banner.frame.size.
            height);
108         [UIView commitAnimations];
109         self.bannerIsVisible = NO;
110     }
111 }
```



# Picker View

- Xác định “kích thước” của Picker View
- Reloading Picker View
- Chọn row trong Picker View
- Trả lại view dựa trên row và component
- Khảo sát một số Delegate, Data Source





# Picker View

- Xác định “kích thước” của Picker View
  - @property(nonatomic, readonly) NSInteger numberOfComponents
  - (NSInteger)numberOfRowsInComponent:(NSInteger)component
  - (CGSize)rowSizeForComponent:(NSInteger)component



# Picker View

- Reloading Picker View
  - (void)reloadAllComponents
  - (void)reloadComponent:(NSInteger)component



# Picker View

- Chọn row trong Picker View
  - (void)selectRow:(NSInteger)row inComponent:(NSInteger)component animated:(BOOL)animated
  - (NSInteger)selectedRowInComponent:(NSInteger)component



# Picker View

- Trả lại view dựa trên row và component
  - (UIView \*)viewForRow:(NSInteger)row forComponent:(NSInteger)component



# Picker View

- Khảo sát một số Delegate, Data Source
  - Delegate
  - Data Source





# Picker View

- Khảo sát một số Delegate, Data Source
  - Delegate
    - @property(nonatomic, assign) id<UIPickerViewDelegate> delegate
    - Thiết lập kích thước Picker View
      - (CGFloat)pickerView:(UIPickerView \*)pickerView heightForComponent:(NSInteger)component
      - (CGFloat)pickerView:(UIPickerView \*)pickerView widthForComponent:(NSInteger)component
    - Thiết lập content của component rows
      - (NSString \*)pickerView:(UIPickerView \*)pickerView titleForRow:(NSInteger)row forComponent:(NSInteger)component
      - (UIView \*)pickerView:(UIPickerView \*)pickerView viewForRow:(NSInteger)row forComponent:(NSInteger)component reusingView:(UIView \*)view
    - Nắm bắt sự kiện chọn row trong Picker View
      - (void)pickerView:(UIPickerView \*)pickerView didSelectRow:(NSInteger)row inComponent:(NSInteger)component



# Picker View

- Khảo sát một số Delegate, Data Source
  - Data Source
    - @property(nonatomic, assign) id<UIPickerViewDataSource> dataSource
    - (NSInteger)numberOfComponentsInPickerView:(UIPickerView \*)pickerView
    - (NSInteger)pickerView:(UIPickerView \*)pickerView  
numberOfRowsInComponent:(NSInteger)component



# Q&A