

# Mobile Development di dalam BCA

Chandra Ari Gunawan





# Chandra Ari Gunawan

Sr IT Specialist (BCA mobile)

Customer Touch Point Solution Application



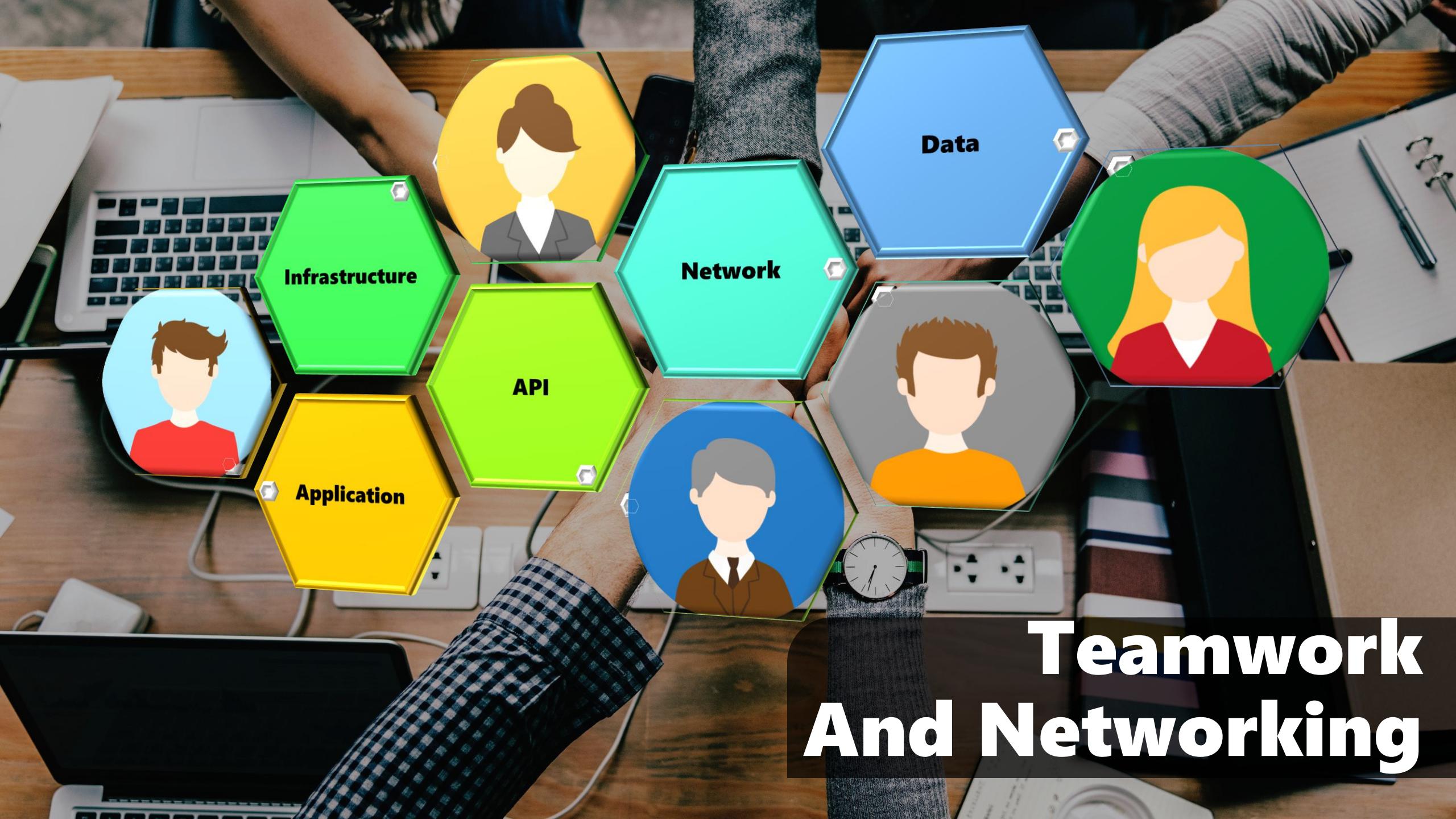
<https://www.linkedin.com/in/feechanz/>

# Do You Know All of This Product?



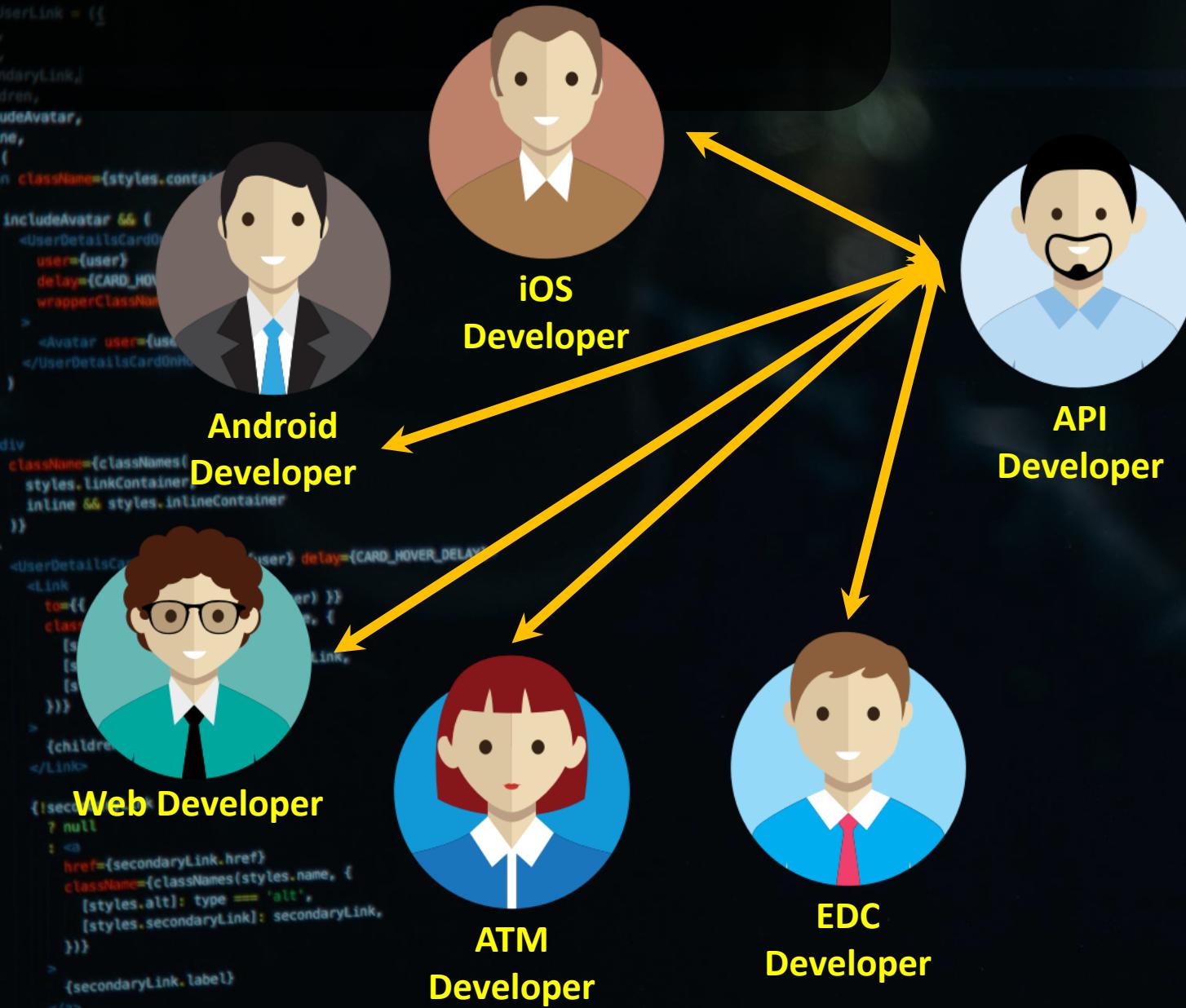
**OneKlik**

**BCA KlikPay**



# Teamwork And Networking

# Development!





```
146     target=_blank
147     rel="noopener"
148   href={track}
149   >
150   Instagram
151   </a>
152 </li>
153 </ul>
154 </div>
155 );
156 }
157
158 renderWhatsNewLinks() {
159   return (
160     <div className={styles.whatsNew}>
161       <h4 className={styles.whatsNewHeader}>
162         What's new
163       </h4>
164       <ul className={styles.whatsNewList}>
165         {this.renderWhat
166         {this.renderWhat
167         {this.renderWhat
168         {this.renderWhat
169         {this.renderWhat
170         {this.renderWhat
171         {this.renderWhat
172         {this.renderWhat
173         {this.renderWhat
174         {this.renderWhat
175         {this.renderWhat
176         {this.renderWhat
177         {this.renderWhat
178         {this.renderWhat
179         {this.renderWhat
180         {this.renderWhat
181       </ul>
182     </div>
183   );
184 }
185
186 renderFooterSub() {
187   return (
188     <div className={styles.footerSub}>
189       <Link to="/" title="Home - Unsplash">
190         <Icon
191           type="logo"
192           className={styles.footerSubLogo}>
193         </Icon>
194       </Link>
195       <span className={styles.footerSlogan}>
196         <div>
197           <img alt="Unsplash logo" />
198           <span>Unsplash</span>
199         </div>
200       </span>
201     </div>
202   );
203 }
204
205 render() {
206   return (
207     <footer className={styles.footerGlobal}>
208       <div className="container">
209         {this.renderFooterMain()}
210       </div>
211     </footer>
212   );
213 }
```

Middle  
ware  
Service  
Developer



# Technology & Tools



# What we need to prepare?

# Prepare some toolkit



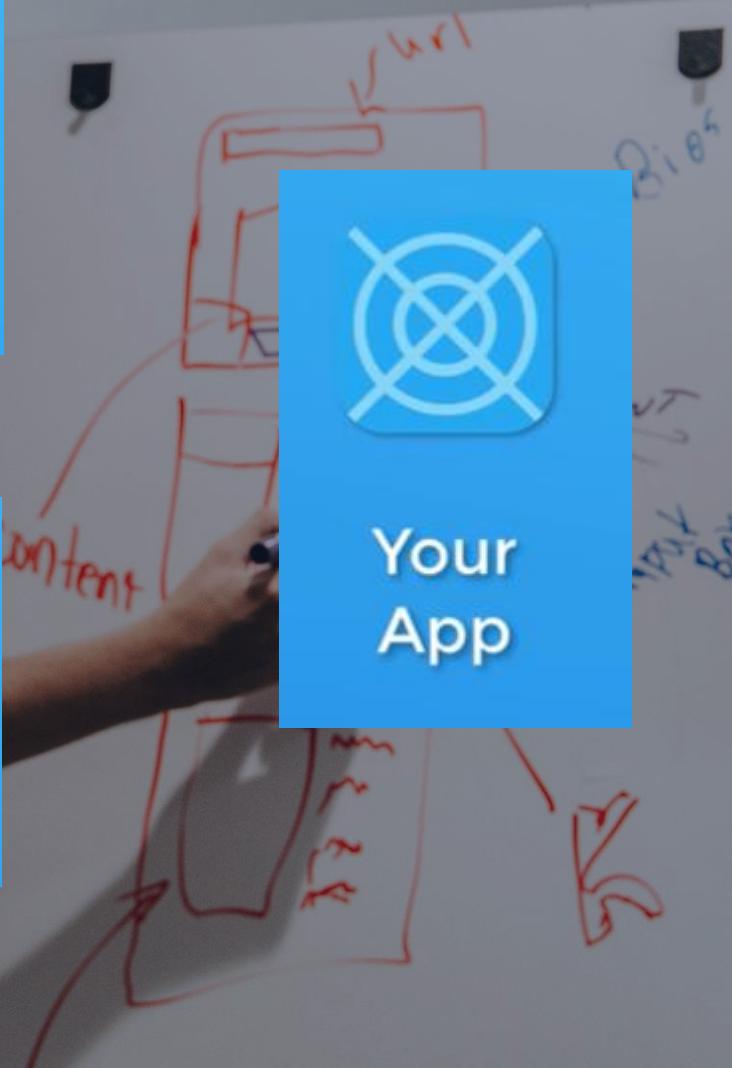
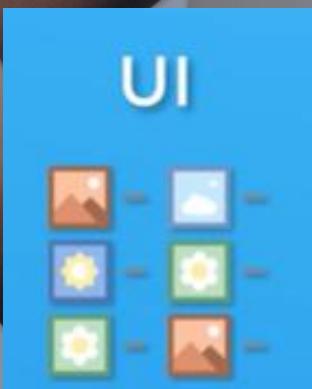
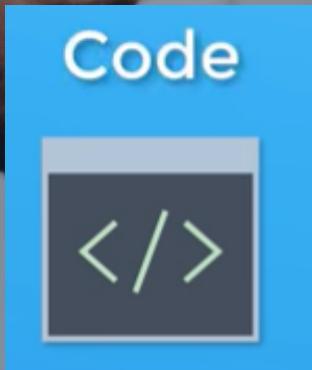
Android  
Studio



ANDROID  
SDK



# Make an app basic lesson



App Store



Play Store

# Programming Language



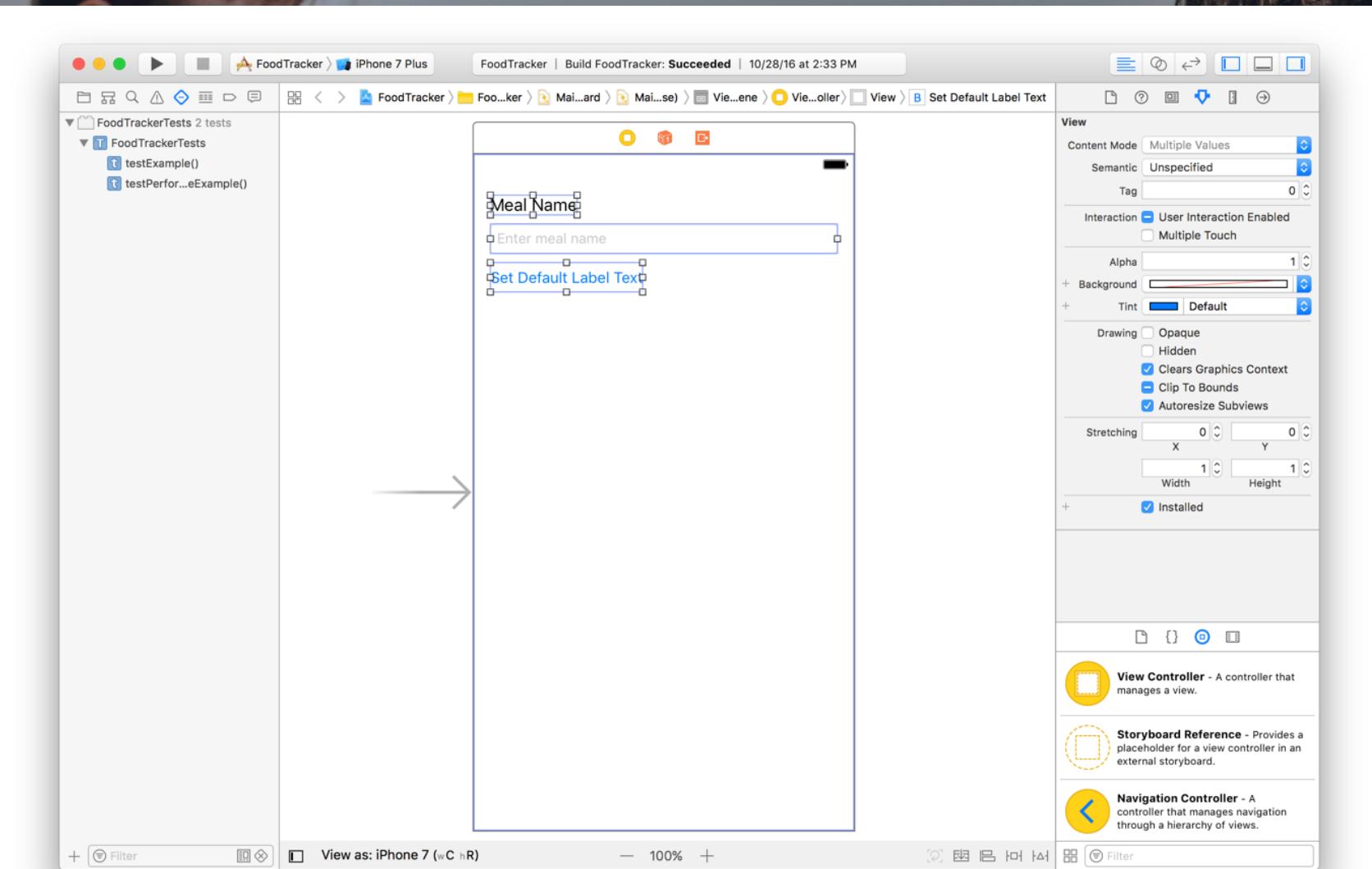
Objective-C



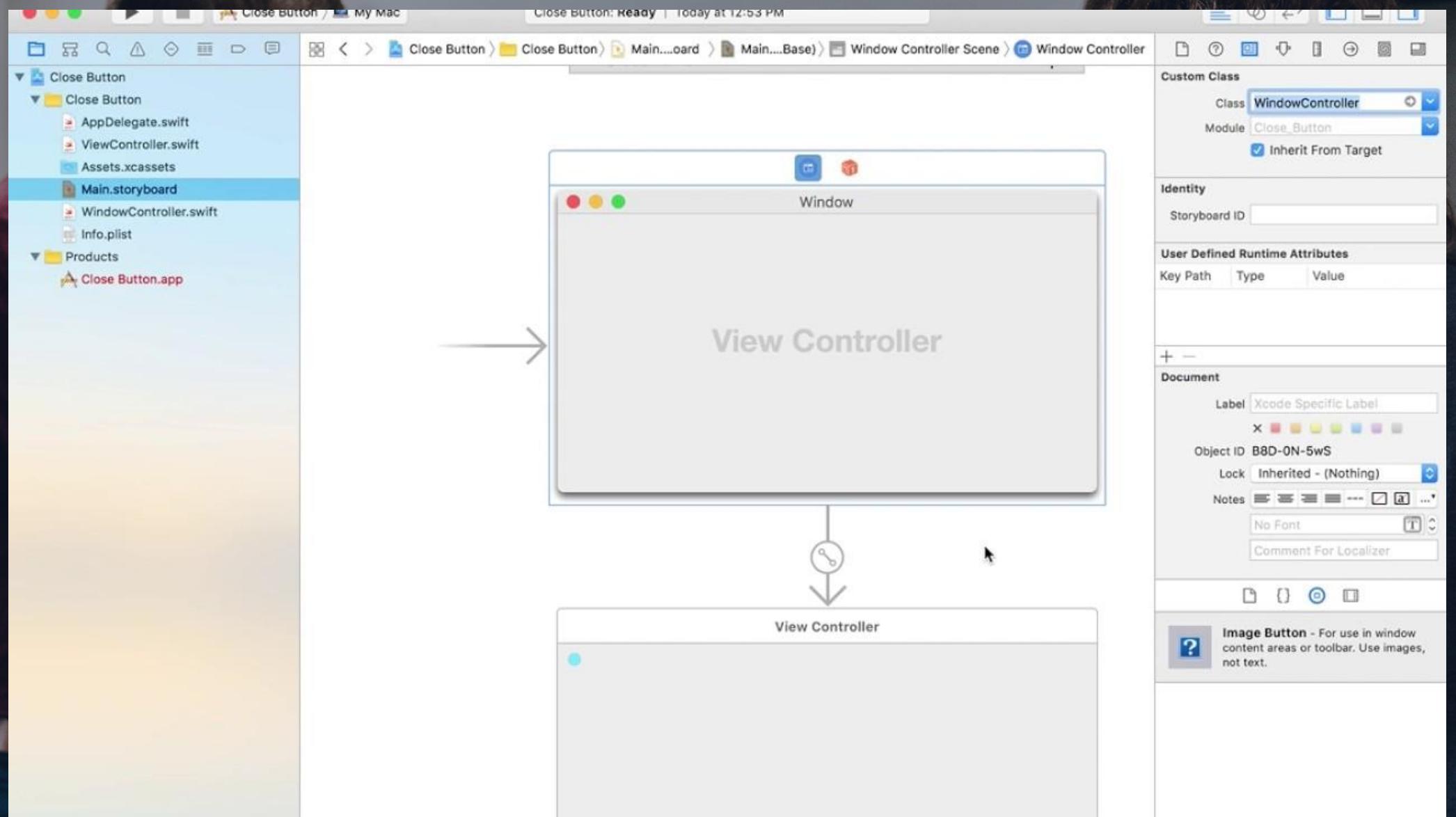
Java™



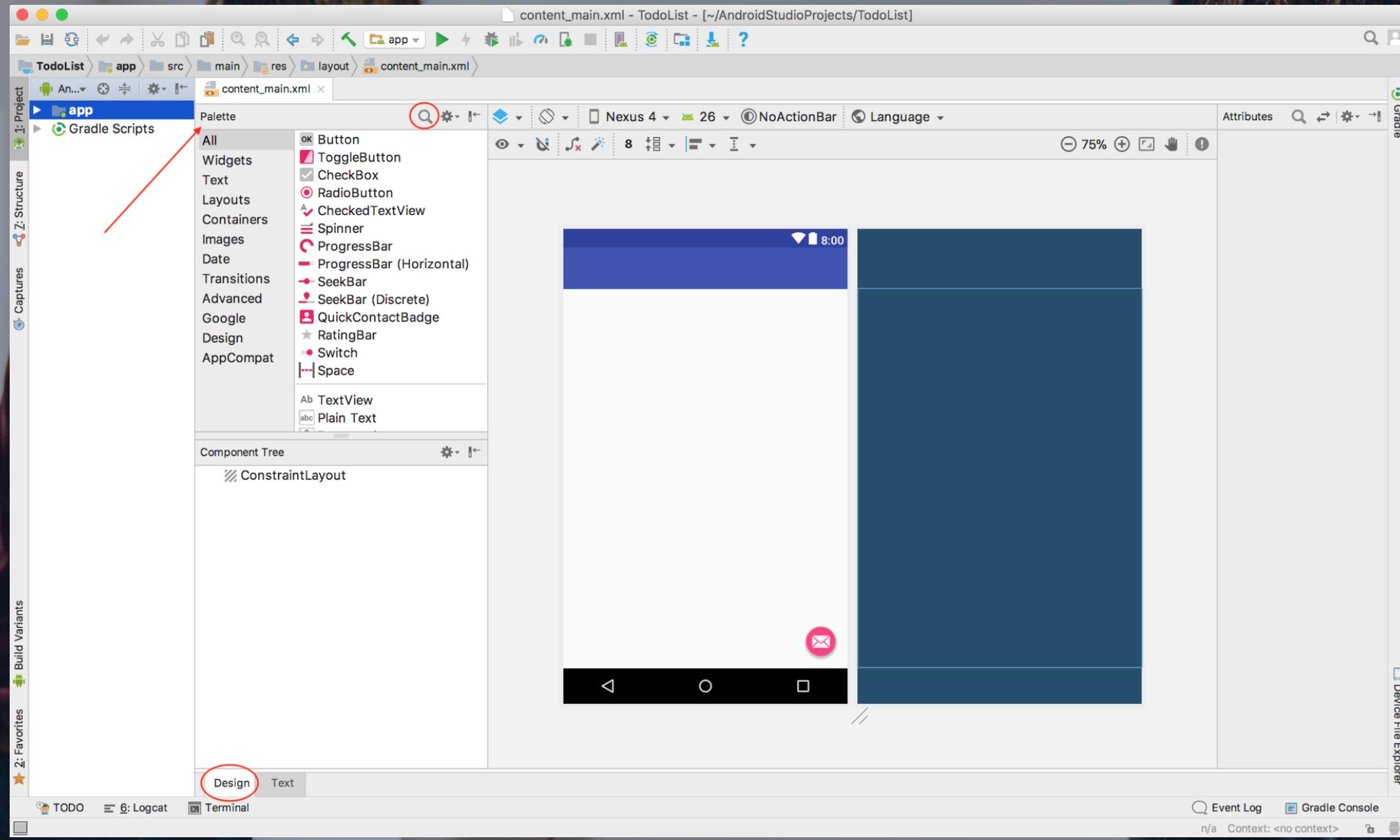
# UI Design in X Code



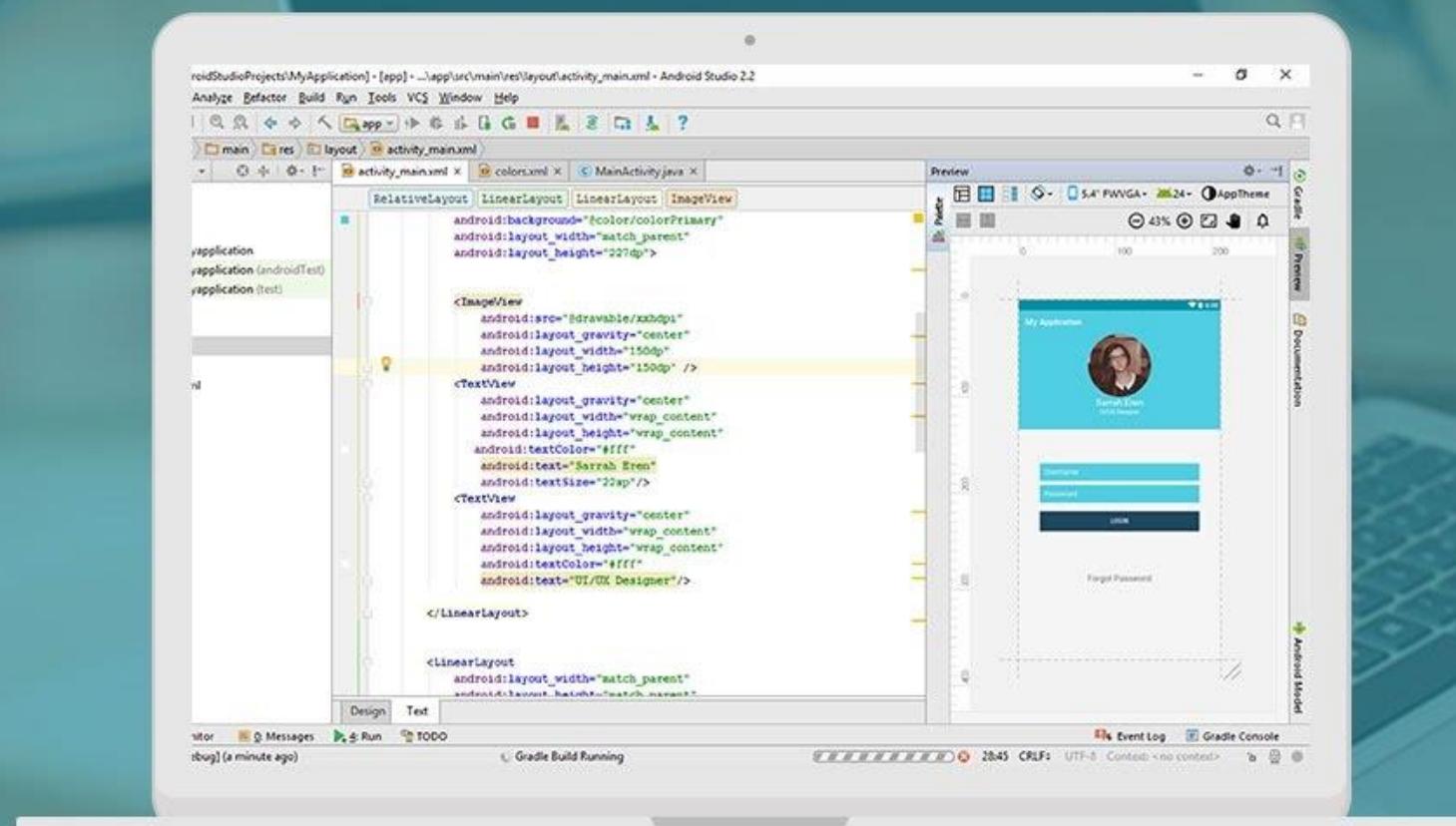
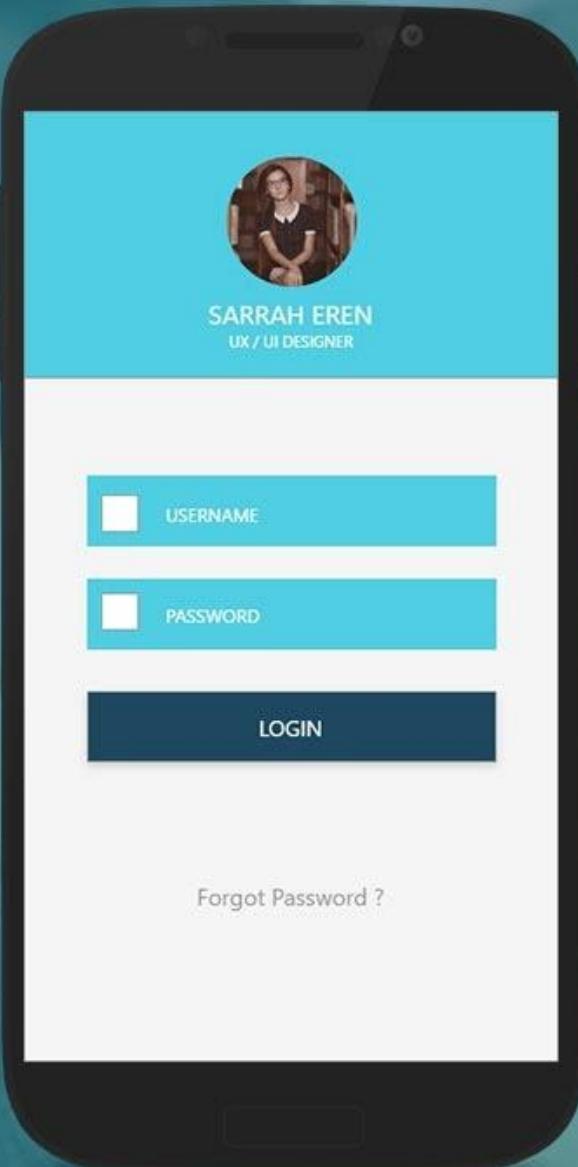
# Storyboard



# UI Design in Android Studio



# Design with XML



# iOS Development

The screenshot shows the Xcode interface for an iOS application named "Jogr".

**Project Navigator:** Shows the project structure under the "Jogr" root. It includes two targets for iOS SDK 7.0, source files for Model (RouteData.h/m), View (RoutePathOverlay.h/m, GraphView.h/m), and Controller (AppDelegate.h/m, RunViewController.h/m), and resources like Jogr.storyboard, images, and test files.

**Assistant Editor:** Displays the "RunViewController.m" file. The code implements a RunViewController that initializes with a nib name, handles view loading, memory warnings, and view appearance. It also provides a time string for intervals and updates the timer label.

```
#import "RunViewController.h"

@interface RunViewController : UIViewController

@end

@implementation RunViewController

- (id)initWithNibName:(NSString *)NibName bundle:(NSBundle *)bundle
{
    if ((self = [super initWithNibName:NibName bundle:bundle]))
    {
        return self;
    }
}

- (void)viewDidLoad
{
    [super viewDidLoad];
}

- (void) didReceiveMemoryWarning
{
    [super didReceiveMemoryWarning];
}

- (void)viewWillAppear:(BOOL)animated
{
    if (!_timer || _pause) {
        [self pauseOrRun:self];
    }
}

- (NSString *)timeStringForInterval:(NSTimeInterval)interval
{
    long hours = (long)interval / 60L;
    long minutes = ((long)interval / 60L) % 60L;
    long seconds = (long)interval % 60L;
    long hundredths = (long)(interval * 100.0) % 100L;

    return [NSString stringWithFormat:@"%02ld:%02ld:%02ld.%02ld", hours,
           minutes, seconds, hundredths];
}

- (void)updateTime
{
    if (_timer) {
        NSTimeInterval now = _pause ? _pause : [NSDate date];
        NSTimeIntervalSinceReferenceDate;
        NSString *string = [self timeStringForInterval:now - _start];
        [_timeLabel setText:string];
    }
}
```

**Storyboard Preview:** Shows the "Root View Controller Scene" with the "Root View Controller". The screen displays the app's logo, a running figure icon, and the text "GET READY TO JOG". It features two large buttons labeled "TIMER" and "ROUTES".

**Bottom Dock:** Shows the Mac OS X dock with various application icons.

# Android Development

DatePickerDialogKotlin [C:\Users\dell\AndroidStudioProjects\DatePickerDialogKotlin] - ...\\app\\src\\main\\java\\com\\blogspot\\atifsoftwares\\datepickerdialogkotlin\\MainActivity.kt [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

DatePickerDialogKotlin app src main java com blogspot atifsoftwares datepickerdialogkotlin MainActivity.kt

activity\_main.xml MainActivity.kt

```
8
9 class MainActivity : AppCompatActivity() {
10
11     override fun onCreate(savedInstanceState: Bundle?) {
12         super.onCreate(savedInstanceState)
13         setContentView(R.layout.activity_main)
14
15         //Calendar
16         val c = Calendar.getInstance()
17         val year = c.get(Calendar.YEAR)
18         val month = c.get(Calendar.MONTH)
19         val day = c.get(Calendar.DAY_OF_MONTH)
20
21         //button click to show DatePickerDialog
22         pickDateBtn.setOnClickListener { it:View!
23             val dpd = DatePickerDialog(context: this, DatePickerDialog.OnDateSetListener{view: Date
24                 //set to textView
25                 dateTv.setText(""+ mDay +"/"+ mMonth +"/"+ mYear)
26             }, year, month, day)
27             //show dialog
28             dpd.show()
29         }
30     }
31 }
32
```

MainActivity > onCreate() > pickDateBtn.setOnClickListener{...}

Terminal Build Logcat Profiler Run TODO

Can't bind to local 8624 for debugger (a minute ago)

Event Log

27:26 CRLF: UTF-8: Context: <no context>

Android Emulator - Nexus\_5X\_API\_25:5554

DatePicker Dialog Kotlin

2018

Mon, Apr 16

April 2018

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

CANCEL OK

Gradle Flutter Outline Flutter Inspector Device File Explorer

3:42 PM



Gradle

**(COCOAPODS)**



Dependency  
manager

# Where to learn?

## Android Studio Guides -

<https://developer.android.com/training/basics/firstapp>

## Sample Project -

<https://developer.android.com/samples>

## iOS Development Guides -

<https://developer.apple.com/swift/resources/>

<https://developer.apple.com/library/archive/referencelibrary/GettingStarted/DevelopiOSAppsSwift/>



**Test Scenario**



**UI/UX Test**



**Functional Test**



**Test Passed**



**Certification**

**Make Sure  
Defect Free**

LIVE



Available on the  
App Store



GET IT ON  
Google Play

3.. 2.. 1...  
It's Time to Launch!

thank  
you.





**Bring The Idea**