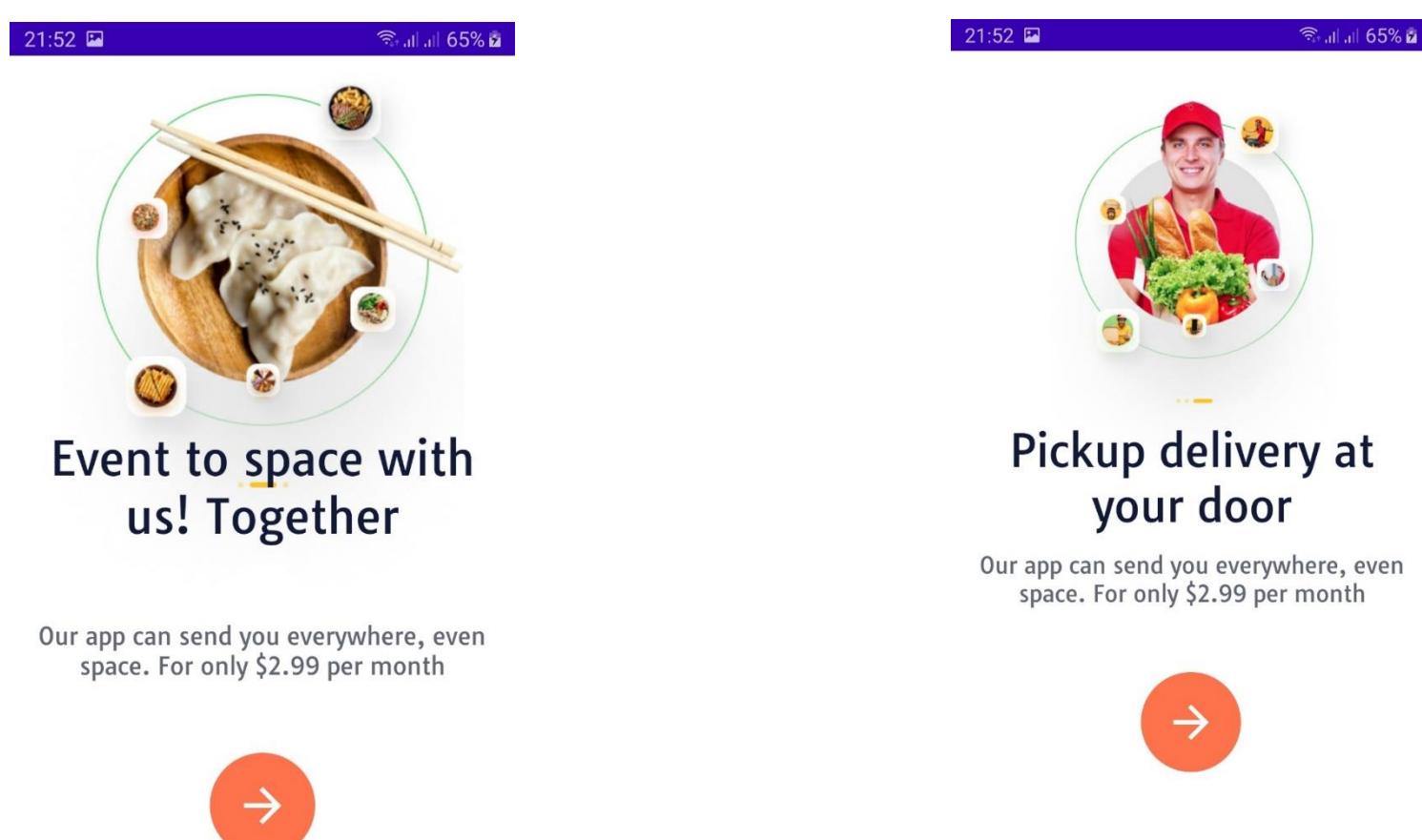
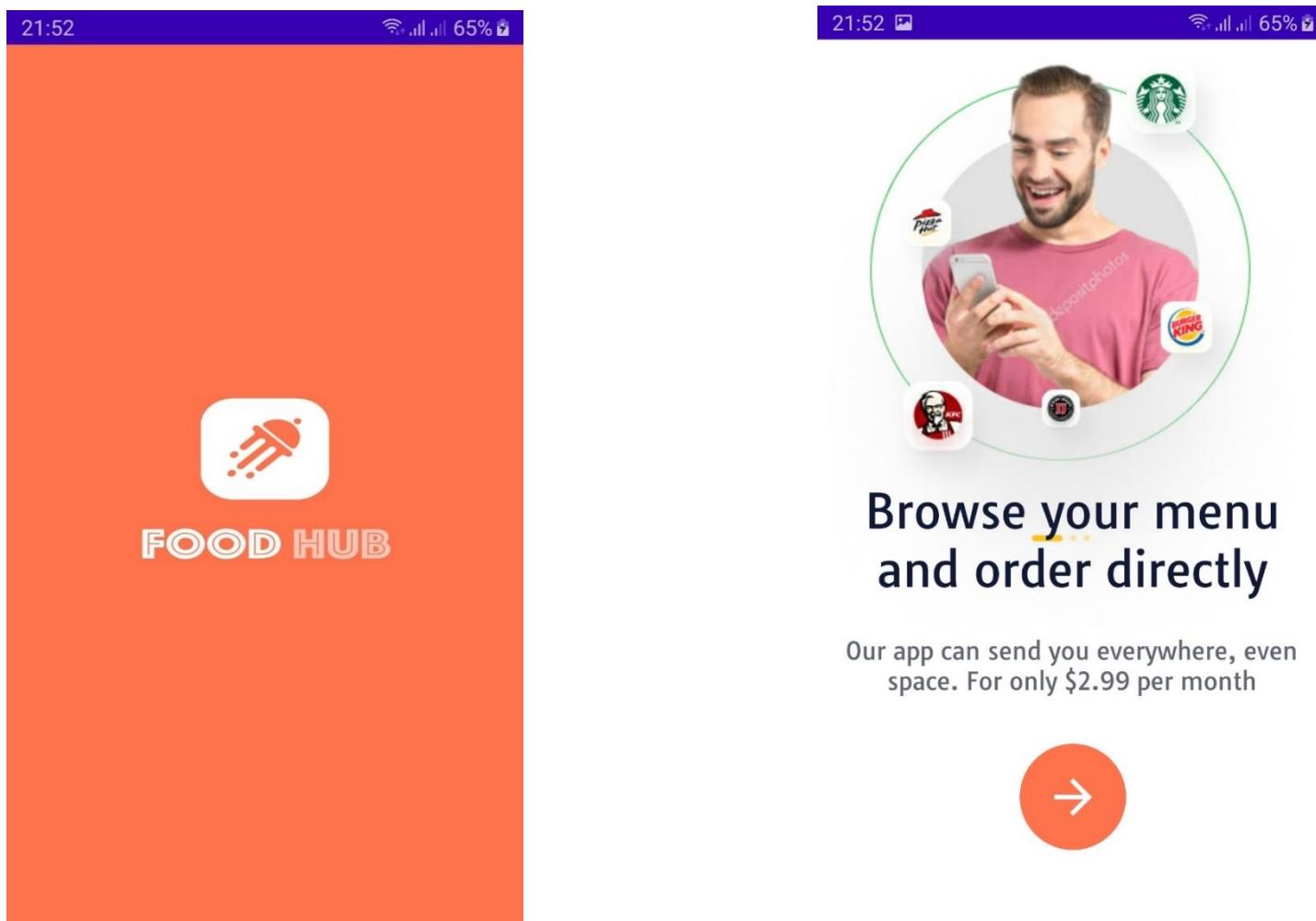


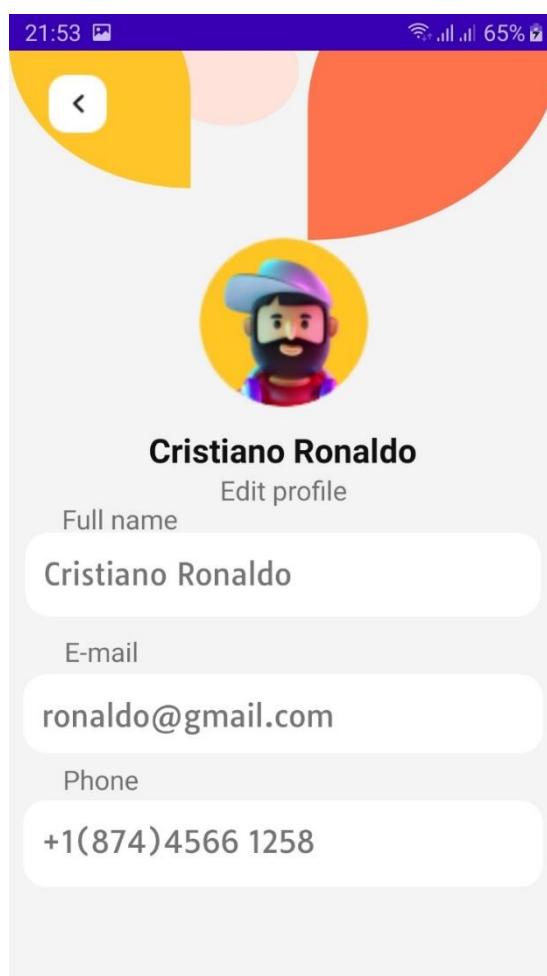
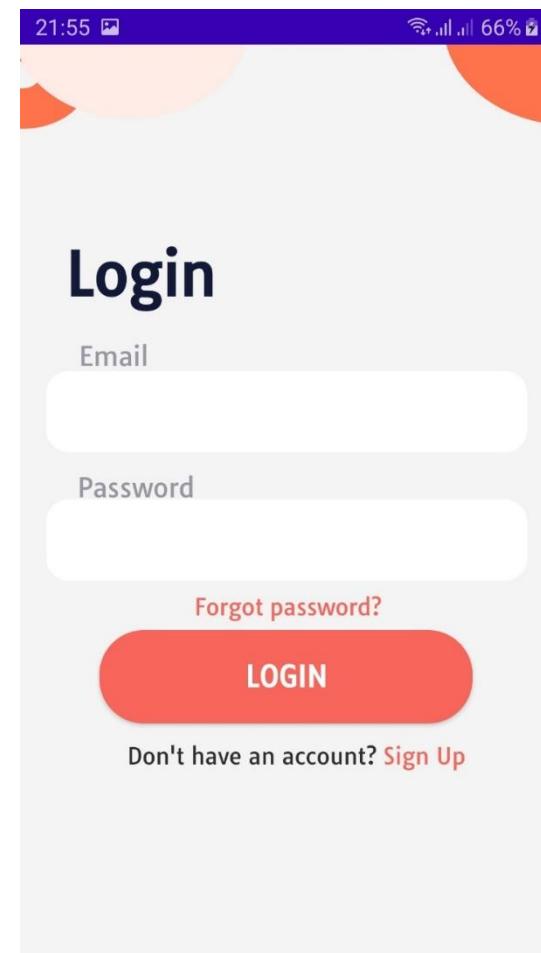
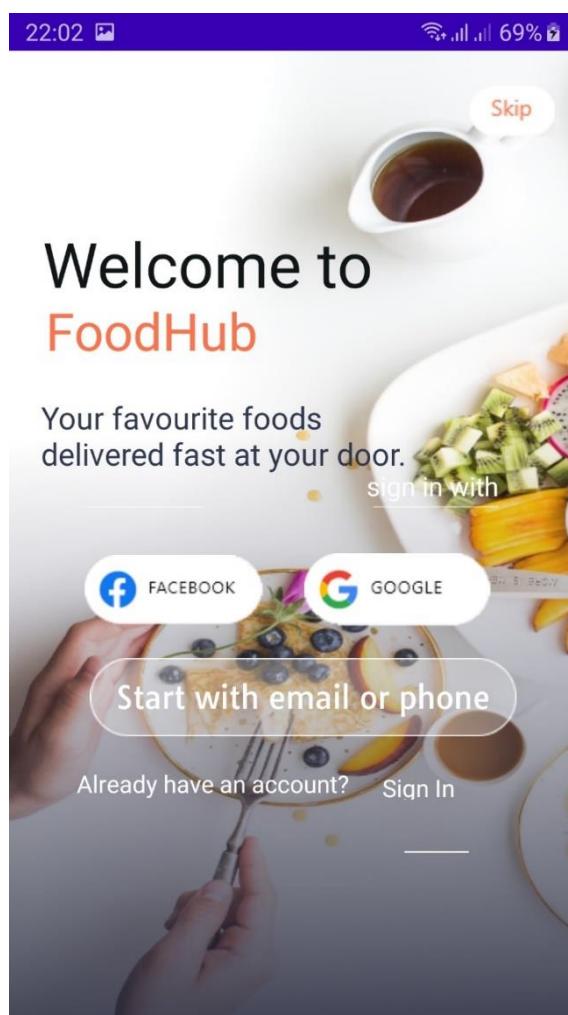
# BÀI BÁO CÁO MÔN LẬP TRÌNH DI ĐỘNG

## ANDROID CHALLENGE WEEK 2

Hình ảnh khi chạy app:

- xuất hiện màn hình màu đỏ in logo của FOODHUB, sau 3 giây delay tự động chuyển đến khung hình tiếp theo. Nhấn biểu tượng mũi tên ở phía dưới để tiếp tục, tương tự với 2 khung hình tiếp theo giới thiệu về ứng dụng. Ta sẽ thấy được màn hình Welcome với các tùy chọn đăng nhập bằng facebook, google, số điện thoại, email hay tài khoản có sẵn. Khi nhấn vào nút Sign in để đăng nhập bằng tài khoản, màn hình sẽ chuyển đến phần Login. Đăng nhập bằng tài khoản [ronaldo@gmail.com/123456](mailto:ronaldo@gmail.com/123456) sẽ chuyển đến profile có sẵn.





## PHẦN CODE

### I. Code kotlin

```
src > main > java > com > example > android_challenge_w2 > MainActivity.kt
```

```
package com.example.android_challenge_w2

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.os.Handler

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        supportActionBar?.hide()

        Handler().postDelayed({
            val intent = Intent(packageContext, Onboarding1::class.java)
            startActivity(intent)
            finish()
        }, delayMillis: 3000)
    }
}
```

```
src > main > java > com > example > android_challenge_w2 > Onboarding1.kt
```

```
package com.example.android_challenge_w2

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.ImageButton

class Onboarding1 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_onboarding1)
        supportActionBar?.hide()

        val button = findViewById<ImageButton>(R.id.button)

        button.setOnClickListener {
            val intent = Intent(packageContext, Onboarding2::class.java)
            startActivity(intent)
        }
    }
}
```

```
src > main > java > com > example > android_challenge_w2 > Onboarding2.kt
```

```
package com.example.android_challenge_w2

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.ImageButton

class Onboarding2 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_onboarding2)
        supportActionBar?.hide()

        val button = findViewById<ImageButton>(R.id.button3)

        button.setOnClickListener {
            val intent = Intent(packageContext, Onboarding3::class.java)
            startActivity(intent)
        }
    }
}
```

```
src > main > java > com > example > android_challenge_w2 > Onboarding3.kt
```

```
package com.example.android_challenge_w2

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.ImageButton

class Onboarding3 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_onboarding3)
        supportActionBar?.hide()

        val button = findViewById<ImageButton>(R.id.button2)

        button.setOnClickListener {
            val intent = Intent(packageContext, Welcome::class.java)
            startActivity(intent)
        }
    }
}
```

```
package com.example.android_challenge_w2

import android.app.AlertDialog
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.LayoutInflater
import android.widget.TextView

class Welcome : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_welcome)
        supportActionBar?.hide()
        val tvSignInWelcome=findViewById<TextView>(R.id.textView28)

        tvSignInWelcome.setOnClickListener{ it: View!
            val intent = Intent( packageName: this, LogIn::class.java)
            startActivity(intent)
        }
    }
}
```

```
package com.example.android_challenge_w2

import android.app.AlertDialog
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.LayoutInflater
import android.widget.Button
import android.widget.ImageView
import android.widget.TextView
import android.widget.*

import kotlinx.android.synthetic.main.main_activity.*
```

```
textView26.setOnClickListener { it: View!
    // Inflate the dialog with custom view
    val mDialogView = LayoutInflater.from( context: this).inflate(R.layout.customdialog, root: null)
    // AlertDialogBuilder
    val mBuilder = AlertDialog.Builder( context: this)
        .setView(mDialogView)
        .setTitle("Edit Profile")
    // show dialog
    val mAlertDialog = mBuilder.show()
    // login button click of custom layout
    mDialogView.dialogLoginBtn.setOnClickListener { it: View!
        // dismiss dialog
        mAlertDialog.dismiss()
        // get text from EditTexts of custom layout
        val name = mDialogView.dialogNameEt.text.toString()
        val email = mDialogView.dialogEmailEt.text.toString()
        val password = mDialogView.dialogPasswEt.text.toString()
        // set the input text in TextView
        // mainInfoTv.setText("Name:" + name + "\nEmail: " + email + "\nPassword: " + password)
        textView25.setText(name)
        textView19.setText(name)
        textView20.setText(email)
        textView21.setText(password)
    }
    // cancel button click of custom layout
}
```

```
textView21.setText(password)

    }
    // cancel button click of custom layout
    mDialogView.dialogCancelBtn.setOnClickListener { it: View!
        // dismiss dialog
        mAlertDialog.dismiss()
    }

    val imageView9=findViewById<ImageView>(R.id.imageView9)
    imageView9.setOnClickListener{ it: View!
        val intent = Intent( packageName: this, LogIn::class.java)
        startActivity(intent)
    }
}
```

```

package com.example.android_challenge_w2

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.EditText

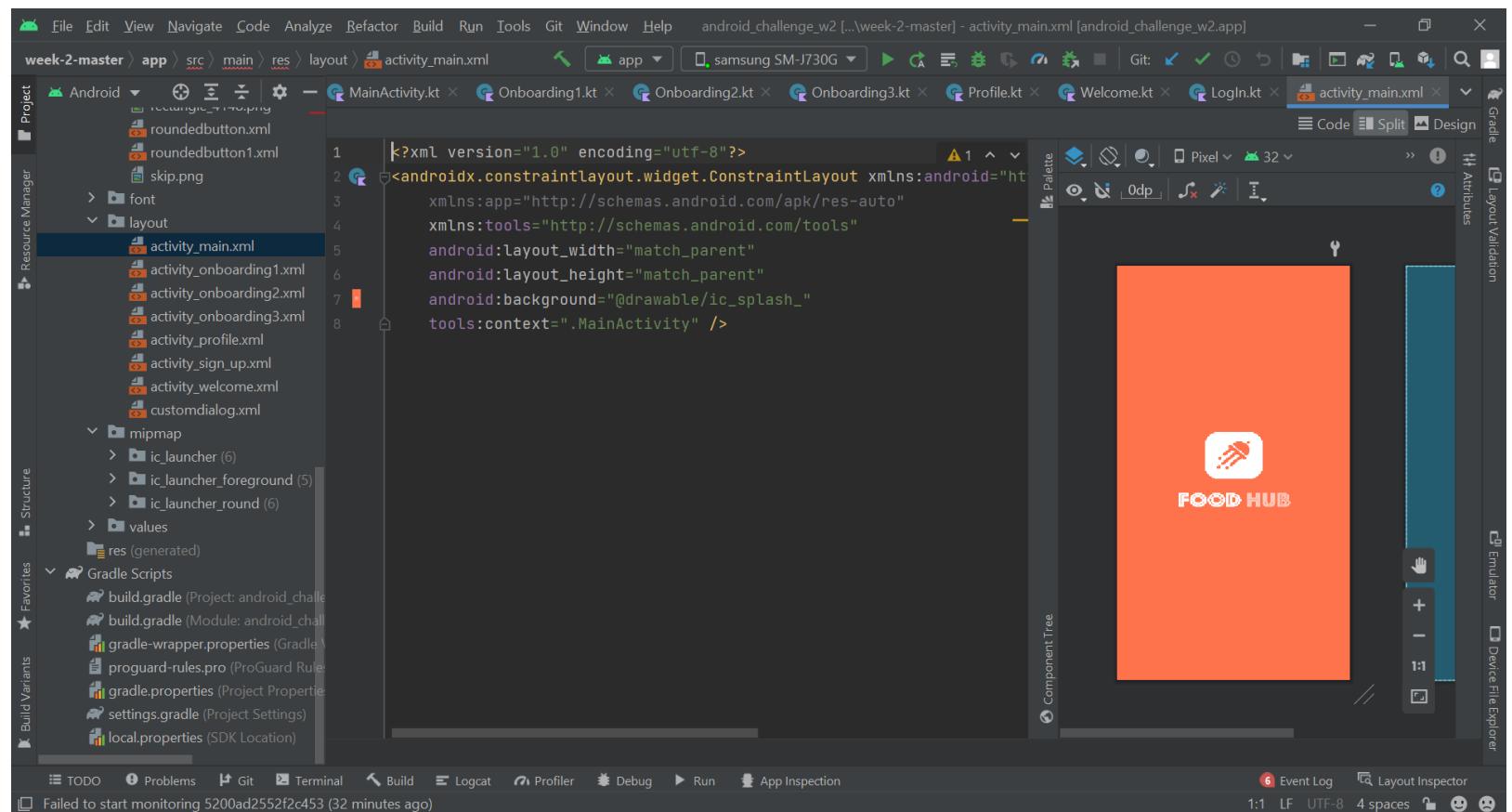
class LogIn : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_sign_up)
        supportActionBar?.hide()

        val button = findViewById<Button>(R.id.button4)
        val email = findViewById<EditText>(R.id.editTextTextEmailAddress)
        val pass = findViewById<EditText>(R.id.editTextTextPassword)
    }
}

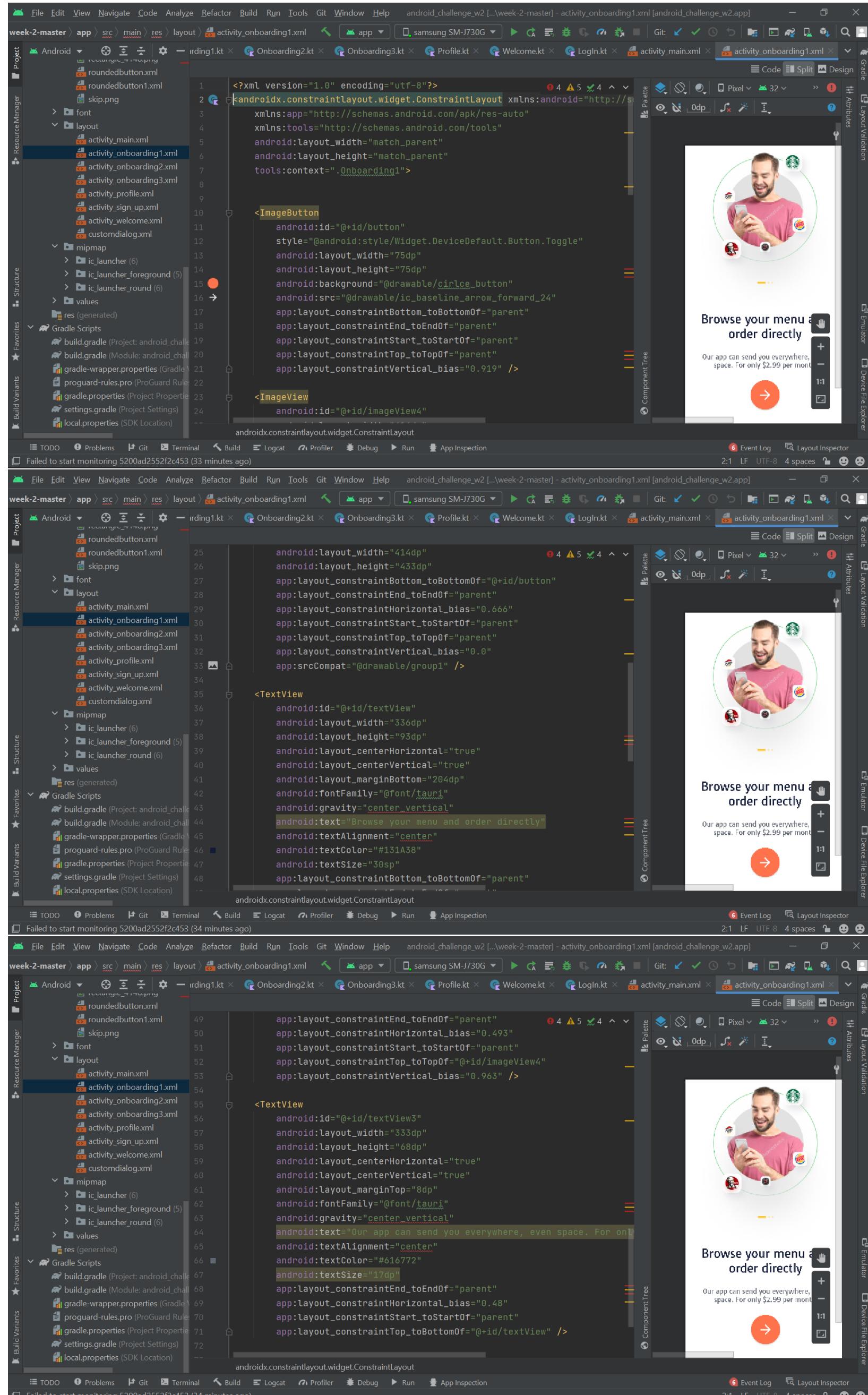
```

## II. Phần code xml

### 1. Activity\_main.xml



## 2. Activity\_acboarding1.xml



The screenshot shows the Android Studio interface with three stacked windows, each displaying the same XML file and its preview.

**XML Code:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Onboarding1">

    <ImageButton
        android:id="@+id/button"
        style="@android:style/Widget.DeviceDefault.Button.Toggle"
        android:layout_width="75dp"
        android:layout_height="75dp"
        android:background="@drawable/circle_button"
        android:src="@drawable/ic_baseline_arrow_forward_24"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.919" />

    <ImageView
        android:id="@+id/imageView4"
        ...>
</androidx.constraintlayout.widget.ConstraintLayout>
```

**Preview:**

The preview shows a circular layout containing a man holding a phone. A green circle highlights the central area, and several small icons (Starbucks, pizza, burger) are scattered around the perimeter. Below the image is a text block: "Browse your menu and order directly".

**Below the preview:**

Our app can send you everywhere, even space. For only \$2.99 per month.

→

### 3. Activity\_onboarding2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Onboarding2">

    <TextView
        android:id="@+id/textView13"
        android:layout_width="337dp"
        android:layout_height="81dp"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:layout_marginBottom="4dp"
        android:fontFamily="@font/tauri"
        android:gravity="center_vertical"
        android:text="Our app can send you everywhere, even space. For only $2.99 per month"
        android:textAlignment="center"
        android:textColor="#616772"
        android:textSize="17dp"
        app:layout_constraintBottom_toTopOf="@+id/button3"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageButton
        android:id="@+id/button3"
        style="@android:style/Widget.DeviceDefault.Button.Toggle"
        android:layout_width="75dp"
        android:layout_height="75dp"
        android:background="@drawable/circle_button"
        android:src="@drawable/ic_baseline_arrow_forward_24"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.919" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

The screenshot shows the Android Studio interface with the XML code for 'activity\_onboarding2.xml'. The code defines a ConstraintLayout containing a TextView and an ImageButton. The TextView has a gravity of 'center vertical' and contains the text 'Event to space with us! Together'. The ImageButton has a background of 'circle\_button' and is positioned centrally. Various layout parameters like width, height, and constraints are used to position the elements. The Android Studio interface includes a Project tree, a code editor, a design preview, and toolbars at the top and bottom.

#### 4. Activity\_onboarding3.xml

The screenshot shows the Android Studio interface with the XML code for `activity_onboarding3.xml` in the main editor. The code defines a `ConstraintLayout` with various views like `ImageButton` and `TextView`. The design preview on the right shows a delivery person holding groceries with the text "Pickup delivery at your door".

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:app="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Onboarding3">

    <ImageButton
        android:id="@+id/button2"
        style="@android:style/Widget.DeviceDefault.Button.Toggle"
        android:layout_width="75dp"
        android:layout_height="75dp"
        android:background="@drawable/circle_button"
        android:src="@drawable/ic_baseline_arrow_forward_24"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.862" />

    <TextView
        android:id="@+id/textView7"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:fontFamily="@font/tauri"
        android:gravity="center_vertical"
        android:text="Our app can send you everywhere, even space. For on"
        android:textAlignment="center"
        android:textColor="#616772"
        android:textSize="17dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.528"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView5"
        app:layout_constraintVertical_bias="0.0" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="343dp"
        android:layout_height="288dp"
        android:layout_centerHorizontal="true"
        android:srcCompat="@drawable/group3"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.676"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.101" />
```

The screenshot shows the Android Studio interface with the XML code for `activity_onboarding3.xml` in the main editor. The code defines a `ConstraintLayout` with various views like `ImageButton` and `TextView`. The design preview on the right shows a delivery person holding groceries with the text "Pickup delivery at your door".

```
        android:layout_width="324dp"
        android:layout_height="55dp"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:fontFamily="@font/tauri"
        android:gravity="center_vertical"
        android:text="Our app can send you everywhere, even space. For on"
        android:textAlignment="center"
        android:textColor="#616772"
        android:textSize="17dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.528"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView5"
        app:layout_constraintVertical_bias="0.0" />

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="343dp"
        android:layout_height="288dp"
        android:layout_centerHorizontal="true"
        android:srcCompat="@drawable/group3"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.676"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.101" />
```

The screenshot shows the Android Studio interface with the XML code for `activity_onboarding3.xml` in the main editor. The code defines a `ConstraintLayout` with various views like `ImageButton` and `TextView`. The design preview on the right shows a delivery person holding groceries with the text "Pickup delivery at your door".

```
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.101"
        app:srcCompat="@drawable/group3" />

    <TextView
        android:id="@+id/textView5"
        android:layout_width="324dp"
        android:layout_height="97dp"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:fontFamily="@font/tauri"
        android:gravity="center_vertical"
        android:text="Pickup delivery at your door"
        android:textAlignment="center"
        android:textColor="#131A38"
        android:textSize="30sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.528"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.525" />
```

#### 5. Activity\_welcome.xml

File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

Project An... Resource Manager Favorites Structure BuildVariants

activity\_welcome.xml customdialog.xml activity\_onboarding2.xml activity\_onboarding3.xml activity\_profile.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/bg"
    tools:context=".Welcome">
```

<View  
    android:id="@+id/view2"  
    android:layout\_width="41dp"  
    android:layout\_height="1dp"  
    android:layout\_marginStart="251dp"  
    android:layout\_marginLeft="251dp"  
    android:layout\_marginTop="1dp"  
    android:layout\_marginEnd="119dp"  
    android:layout\_marginRight="119dp"  
    android:layout\_marginBottom="51dp"  
    android:background="#FFFFFF"  
    android:visibility="visible"  
    app:layout\_constraintBottom\_toBottomOf="parent"  
    app:layout\_constraintEnd\_toEndOf="parent"  
    app:layout\_constraintHorizontal\_bias="0.0"

Component Tree

Event Log Layout Inspector 199:53 LF UTF-8 4 spaces

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File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

Project An... Resource Manager Favorites Structure BuildVariants

activity\_welcome.xml customdialog.xml activity\_onboarding2.xml activity\_onboarding3.xml activity\_profile.xml

```
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toBottomOf="@+id/textView28"  
    app:layout_constraintVertical_bias="0.365"  
    tools:ignore="MissingConstraints" />
```

<TextView  
    android:id="@+id/textView27"  
    android:layout\_width="wrap\_content"  
    android:layout\_height="wrap\_content"  
    android:layout\_marginBottom="140dp"  
    android:text="Already have an account?"  
    android:textColor="#FFFFFF"  
    app:layout\_constraintBottom\_toBottomOf="parent"  
    app:layout\_constraintEnd\_toEndOf="parent"  
    app:layout\_constraintHorizontal\_bias="0.23"  
    app:layout\_constraintStart\_toStartOf="parent" />

<TextView  
    android:id="@+id/textView28"  
    android:layout\_width="68dp"  
    android:layout\_height="18dp"  
    android:layout\_marginStart="21dp"  
    android:layout\_marginLeft="21dp"  
    android:layout\_marginEnd="115dp"

Component Tree

Event Log Layout Inspector 199:53 LF UTF-8 4 spaces

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File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

Project An... Resource Manager Favorites Structure BuildVariants

activity\_welcome.xml customdialog.xml activity\_onboarding2.xml activity\_onboarding3.xml activity\_profile.xml

```
    android:layout_marginRight="115dp"  
    android:layout_marginBottom="140dp"  
    android:text="Sign In"  
    android:textColor="#FFFFFF"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toEndOf="@+id/textView27" />
```

<ImageView  
    android:id="@+id/imageView2"  
    android:layout\_width="271dp"  
    android:layout\_height="51dp"  
    android:layout\_marginStart="59dp"  
    android:layout\_marginLeft="59dp"  
    android:layout\_marginTop="324dp"  
    android:layout\_marginEnd="59dp"  
    android:layout\_marginRight="59dp"  
    android:layout\_marginBottom="19dp"  
    app:layout\_constraintBottom\_toTopOf="@+id/textView27"  
    app:layout\_constraintEnd\_toEndOf="parent"  
    app:layout\_constraintHorizontal\_bias="0.272"  
    app:layout\_constraintStart\_toStartOf="parent"  
    app:layout\_constraintTop\_toTopOf="@+id/textView31"

Component Tree

Event Log Layout Inspector 199:53 LF UTF-8 4 spaces

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File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

Project An... Resource Manager Favorites Structure BuildVariants

activity\_welcome.xml customdialog.xml activity\_onboarding2.xml activity\_onboarding3.xml activity\_profile.xml

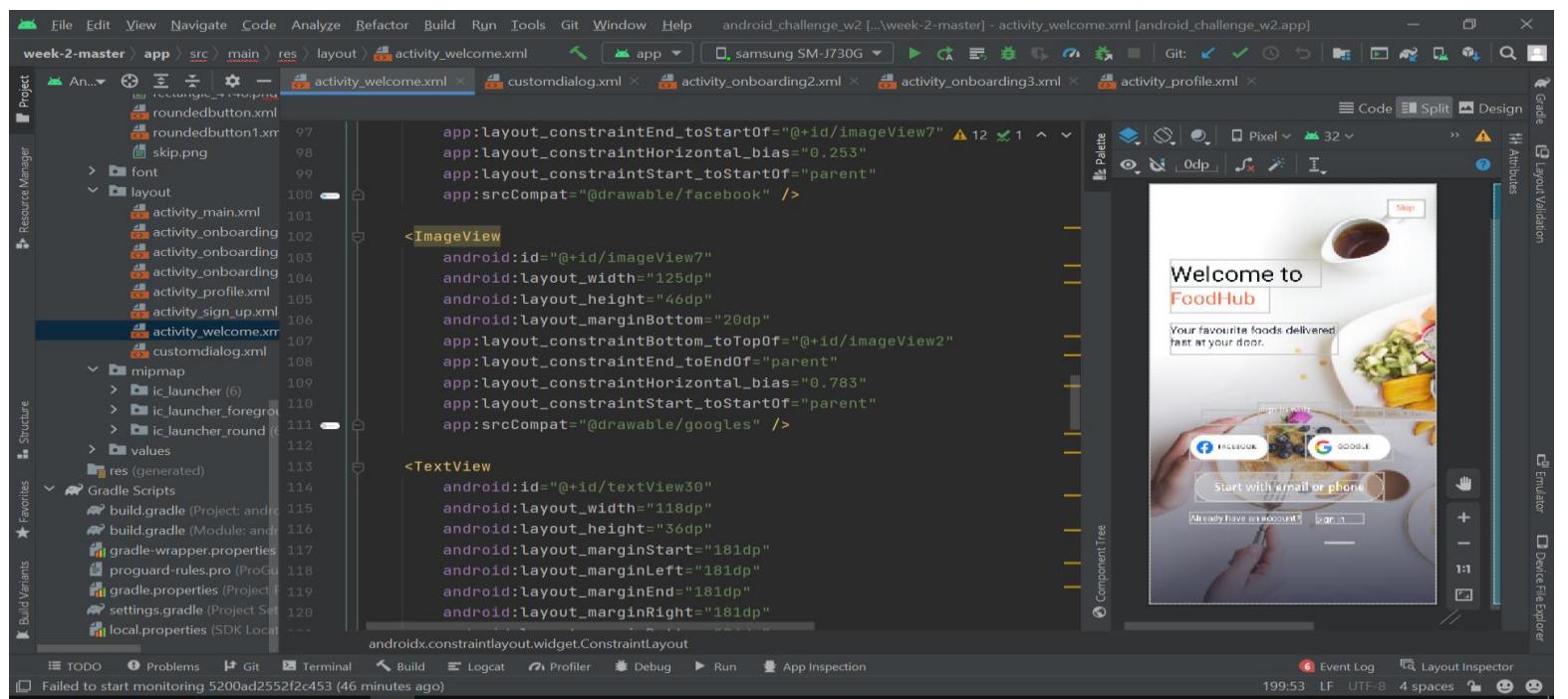
```
    android:layout_marginRight="115dp"  
    android:layout_marginBottom="140dp"  
    android:text="Sign In"  
    android:textColor="#FFFFFF"  
    app:layout_constraintBottom_toBottomOf="parent"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintHorizontal_bias="0.0"  
    app:layout_constraintStart_toEndOf="@+id/textView27" />
```

<ImageView  
    android:id="@+id/imageView2"  
    android:layout\_width="271dp"  
    android:layout\_height="51dp"  
    android:layout\_marginStart="59dp"  
    android:layout\_marginLeft="59dp"  
    android:layout\_marginTop="324dp"  
    android:layout\_marginEnd="59dp"  
    android:layout\_marginRight="59dp"  
    android:layout\_marginBottom="19dp"  
    app:layout\_constraintBottom\_toTopOf="@+id/textView27"  
    app:layout\_constraintEnd\_toEndOf="parent"  
    app:layout\_constraintHorizontal\_bias="0.272"  
    app:layout\_constraintStart\_toStartOf="parent"  
    app:layout\_constraintTop\_toTopOf="@+id/textView31"

Component Tree

Event Log Layout Inspector 199:53 LF UTF-8 4 spaces

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File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

week-2-master > app > src > main > res > layout > activity\_welcome.xml

```
    app:layout_constraintEnd_toStartOf="@+id/imageView7" ▲ 12 ✘ 1
    app:layout_constraintHorizontal_bias="0.253"
    app:layout_constraintStart_toStartOf="parent"
    app:srcCompat="@drawable/facebook" />

<ImageView
    android:id="@+id/imageView7"
    android:layout_width="125dp"
    android:layout_height="46dp"
    android:layout_marginBottom="20dp"
    app:layout_constraintBottom_toTopOf="@+id/imageView2"
    app:layout_constraintHorizontal_bias="0.783"
    app:layout_constraintStart_toStartOf="parent"
    app:srcCompat="@drawable/googles" />

<TextView
    android:id="@+id/textView30"
    android:layout_width="118dp"
    android:layout_height="36dp"
    android:layout_marginStart="181dp"
    android:layout_marginLeft="181dp"
    android:layout_marginEnd="181dp"
    android:layout_marginRight="181dp"
    android:text="Welcome to FoodHub"
    android:textColor="#FFFF00"
    android:textSize="18sp"
    android:typeface="normal"
    android:layout_marginBottom="84dp"
    android:text="Your favourite foods delivered fast at your door."/>
    android:text="sign in with"
    android:textColor="#FFFFFF"
    android:textSize="18sp"
    android:layout_marginBottom="20dp"
    app:layout_constraintBottom_toTopOf="@+id/imageView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.384"
    app:layout_constraintStart_toStartOf="parent" />
```

Component Tree

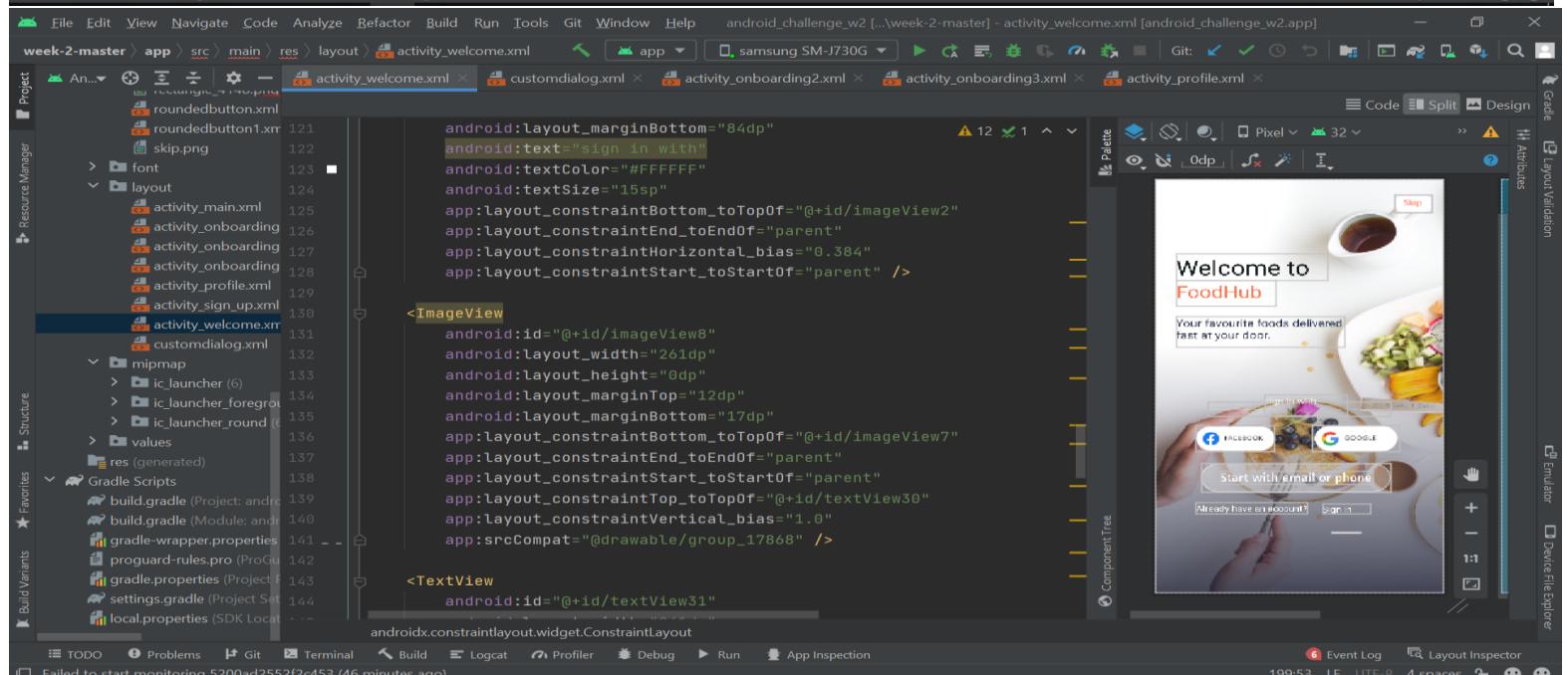
Attributes

Layout Validation

Emulator Device File Explorer

Event Log Layout Inspector

199:53 LF UTF-8 4 spaces



File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

week-2-master > app > src > main > res > layout > activity\_welcome.xml

```
    android:layout_marginBottom="84dp"
    android:text="sign in with"
    android:textColor="#FFFFFF"
    android:textSize="18sp"
    android:layout_marginBottom="20dp"
    app:layout_constraintBottom_toTopOf="@+id/imageView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.384"
    app:layout_constraintStart_toStartOf="parent" />

<ImageView
    android:id="@+id/imageView8"
    android:layout_width="261dp"
    android:layout_height="0dp"
    android:layout_marginTop="12dp"
    android:layout_marginBottom="17dp"
    app:layout_constraintBottom_toTopOf="@+id/imageView7"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="@+id/textView30"
    app:layout_constraintVertical_bias="1.0"
    app:srcCompat="@drawable/group_17868" />

<TextView
    android:id="@+id/textView31"
    android:layout_width="118dp"
    android:layout_height="36dp"
    android:layout_marginStart="181dp"
    android:layout_marginLeft="181dp"
    android:layout_marginEnd="181dp"
    android:layout_marginRight="181dp"
    android:text="Welcome to FoodHub"
    android:textColor="#FFFF00"
    android:textSize="18sp"
    android:typeface="normal"
    android:layout_marginBottom="84dp"
    android:text="Your favourite foods delivered fast at your door."/>
    android:text="sign in with"
    android:textColor="#FFFFFF"
    android:textSize="18sp"
    android:layout_marginBottom="20dp"
    app:layout_constraintBottom_toTopOf="@+id/imageView2"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.384"
    app:layout_constraintStart_toStartOf="parent" />
```

Component Tree

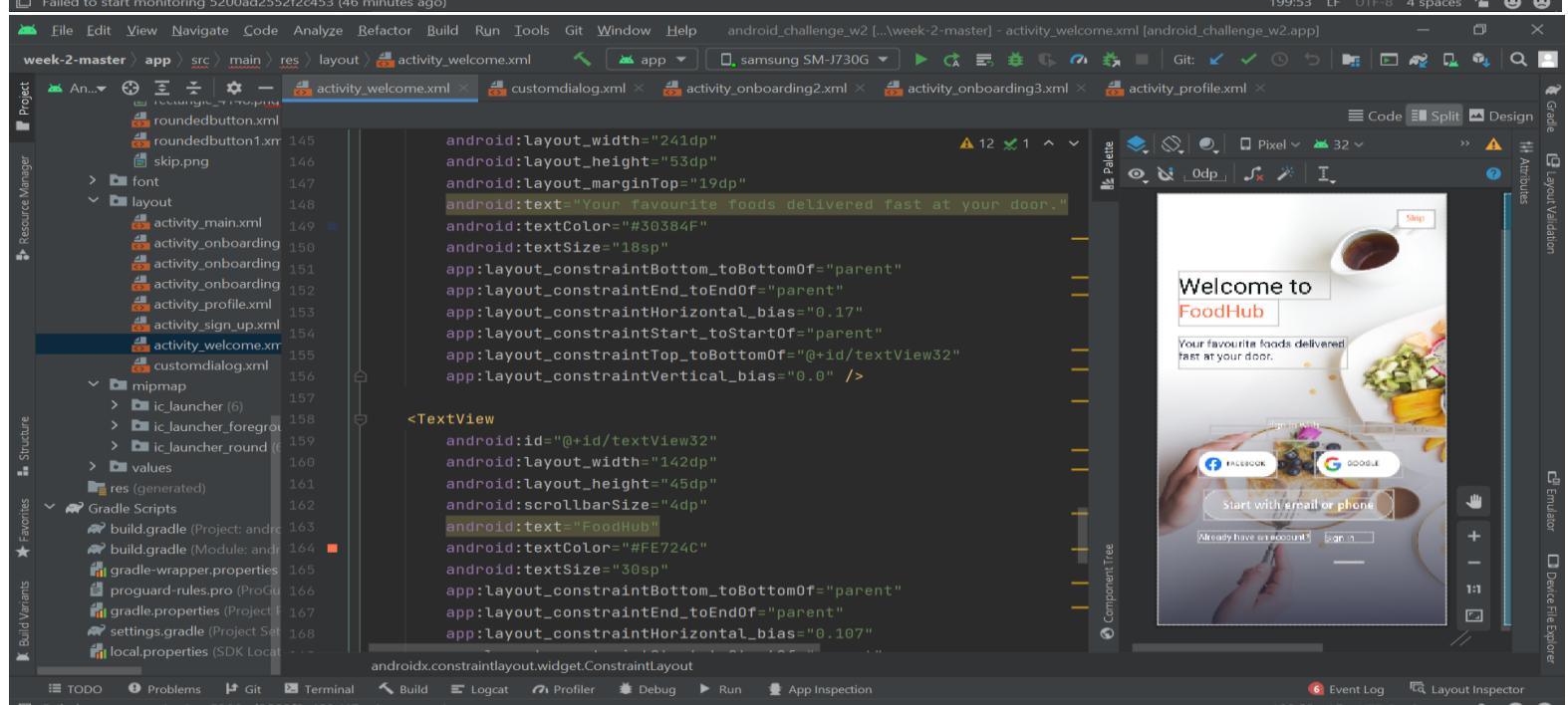
Attributes

Layout Validation

Emulator Device File Explorer

Event Log Layout Inspector

199:53 LF UTF-8 4 spaces



File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

week-2-master > app > src > main > res > layout > activity\_welcome.xml

```
    android:layout_width="241dp"
    android:layout_height="53dp"
    android:layout_marginTop="19dp"
    android:text="Your favourite foods delivered fast at your door."
    android:textColor="#30384F"
    android:textSize="18sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.17"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView32"
    app:layout_constraintVertical_bias="0.0" />

<TextView
    android:id="@+id/textView32"
    android:layout_width="142dp"
    android:layout_height="45dp"
    android:scrollbarSize="4dp"
    android:text="FoodHub"
    android:textColor="#FE724C"
    android:textSize="30sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.107"
    app:layout_constraintStart_toStartOf="parent" />
```

Component Tree

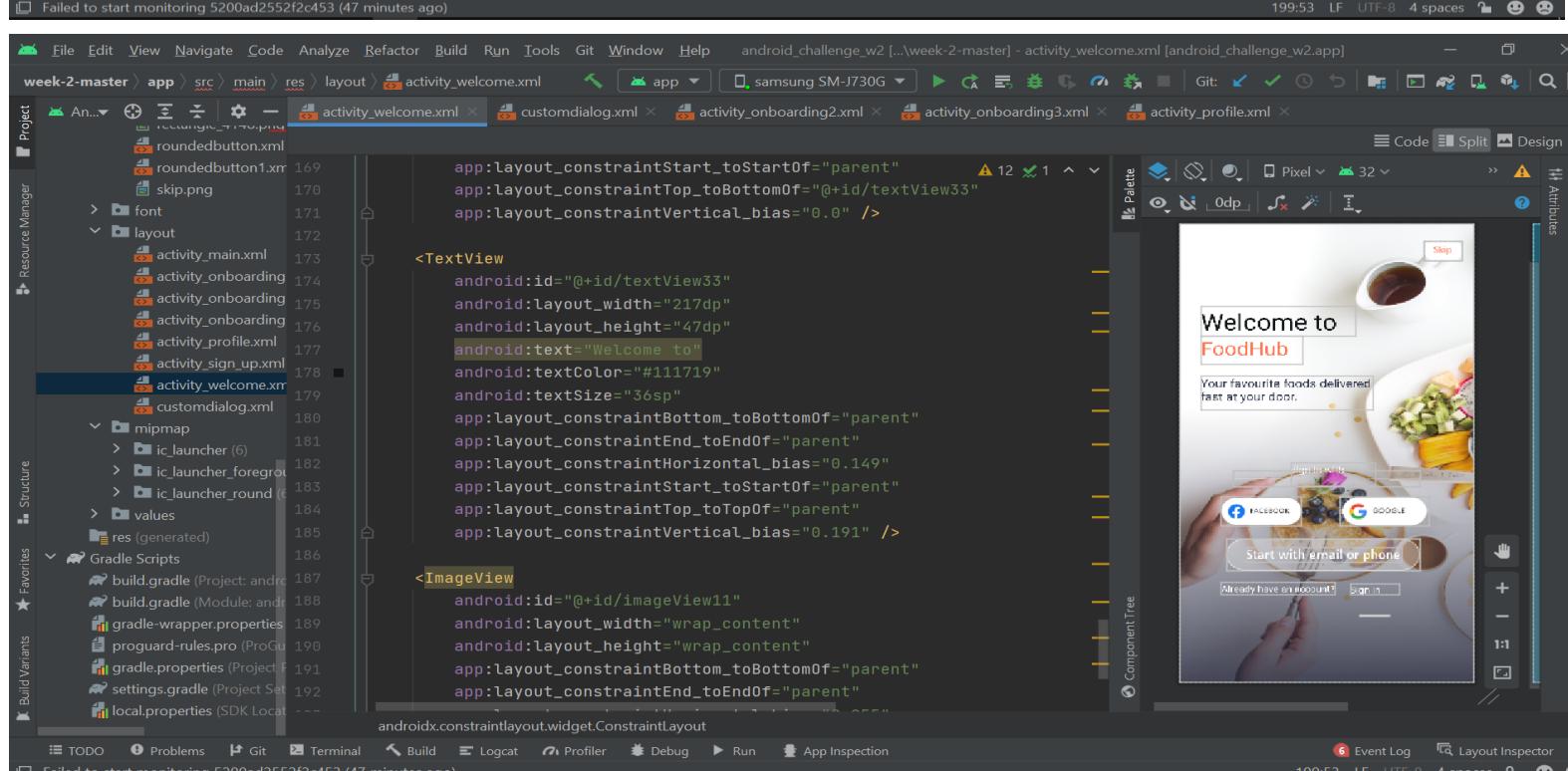
Attributes

Layout Validation

Emulator Device File Explorer

Event Log Layout Inspector

199:53 LF UTF-8 4 spaces



File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android\_challenge\_w2 [..\\week-2-master] - activity\_welcome.xml [android\_challenge\_w2.app]

week-2-master > app > src > main > res > layout > activity\_welcome.xml

```
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView33"
    app:layout_constraintVertical_bias="0.0" />

<TextView
    android:id="@+id/textView33"
    android:layout_width="217dp"
    android:layout_height="47dp"
    android:text="Welcome to"
    android:textColor="#111719"
    android:textSize="36sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.149"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.191" />

<ImageView
    android:id="@+id/imageView11"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
```

Component Tree

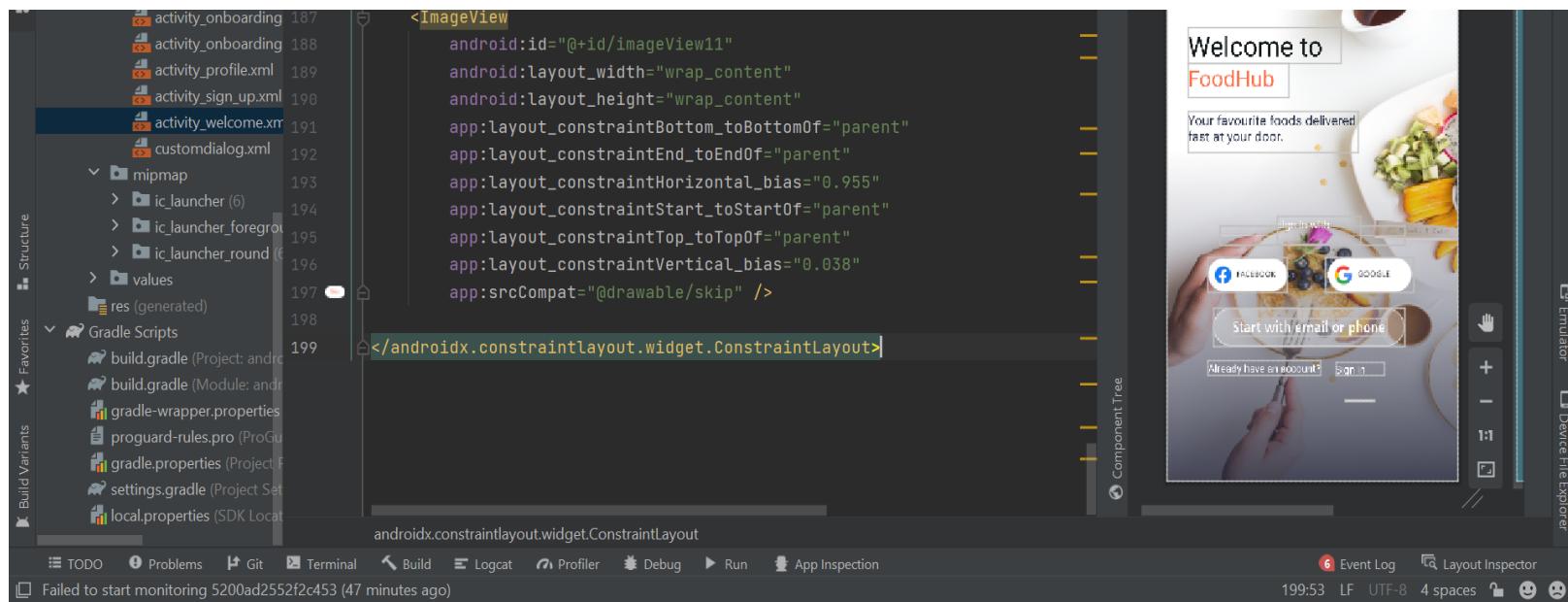
Attributes

Layout Validation

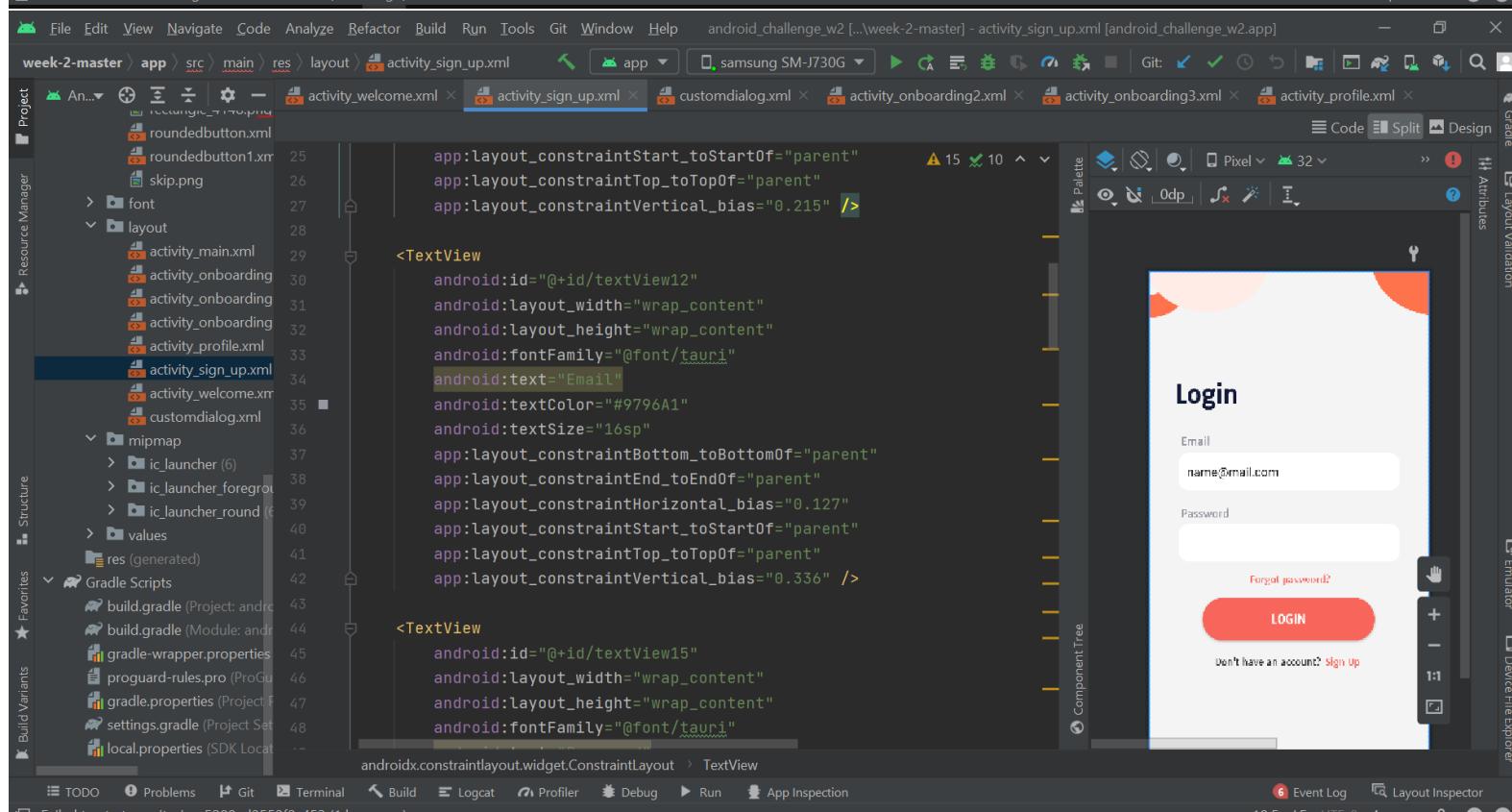
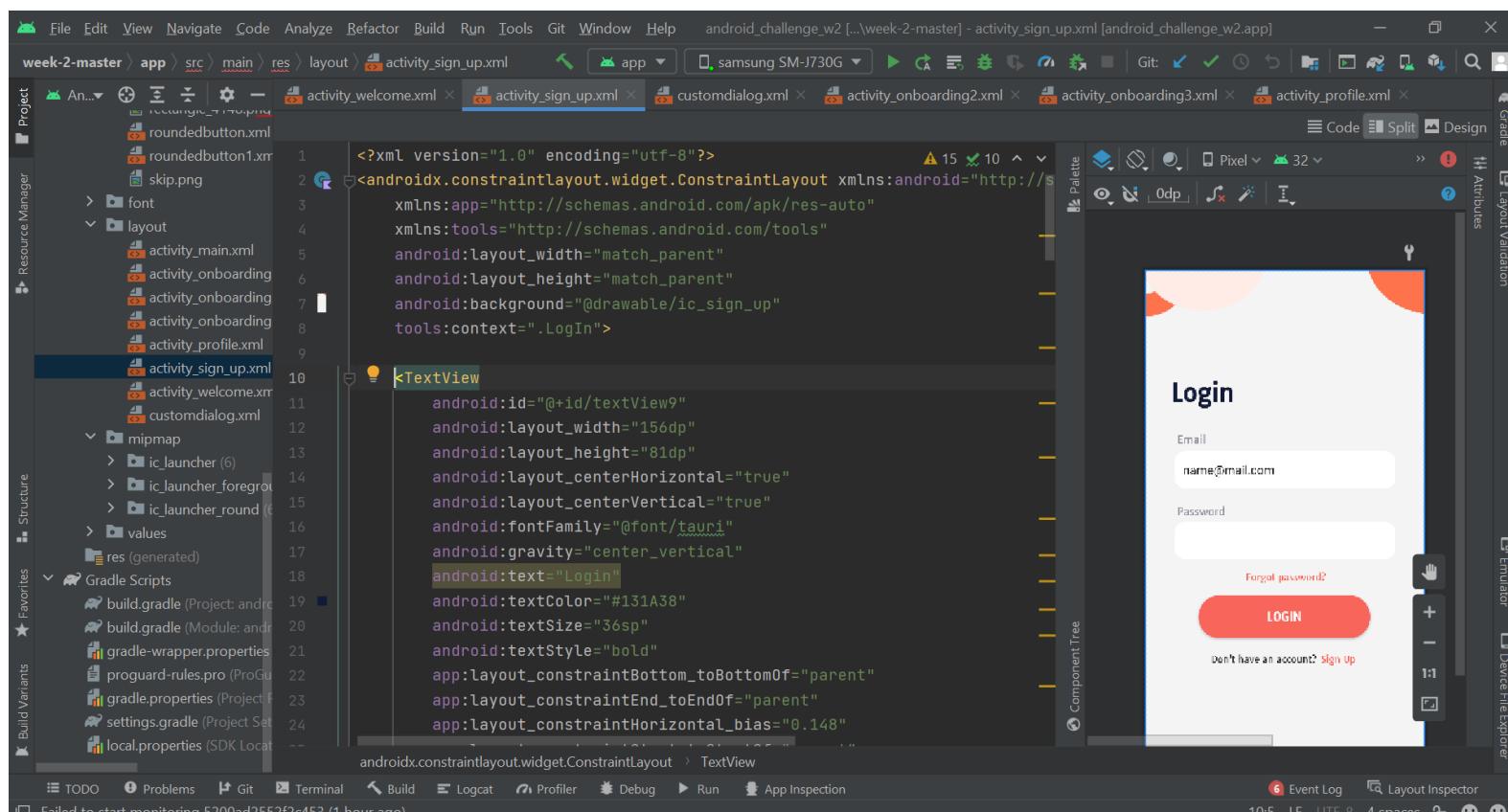
Emulator Device File Explorer

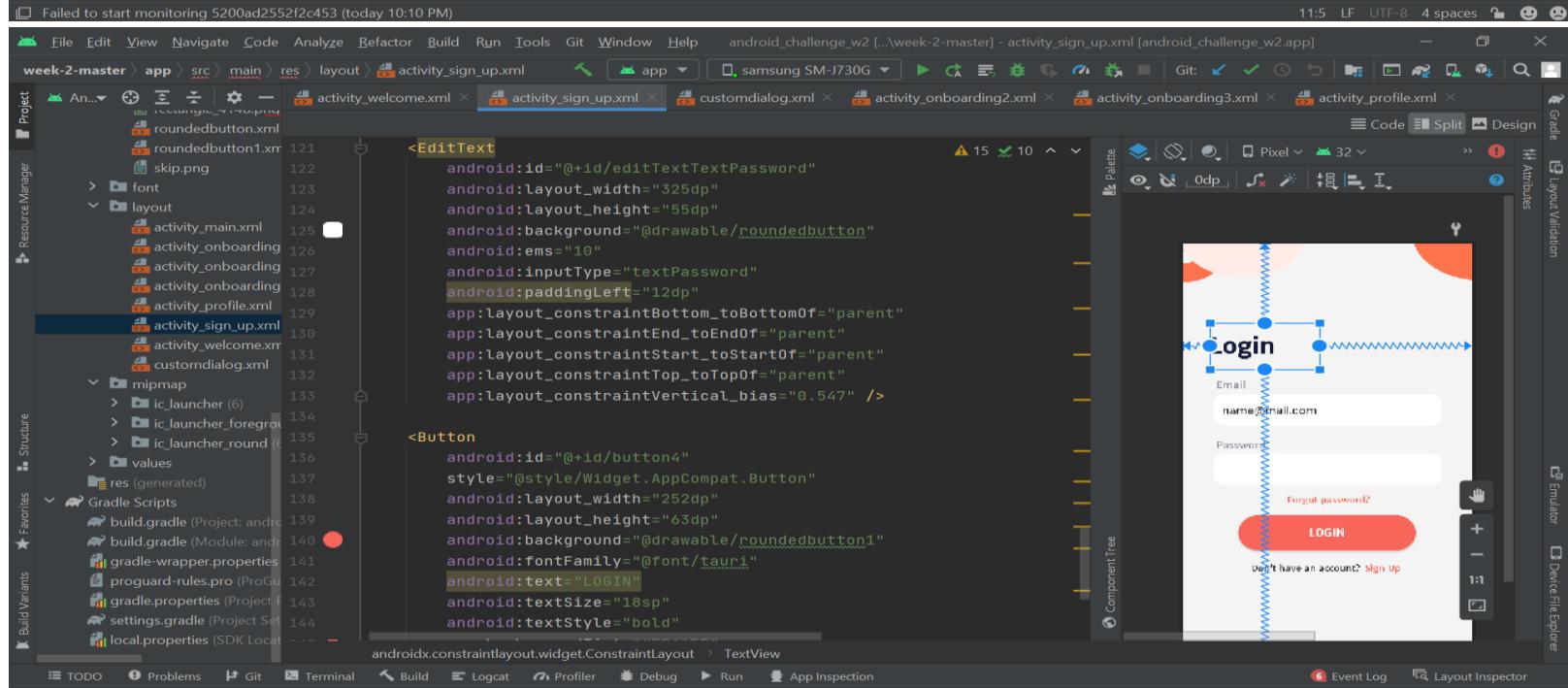
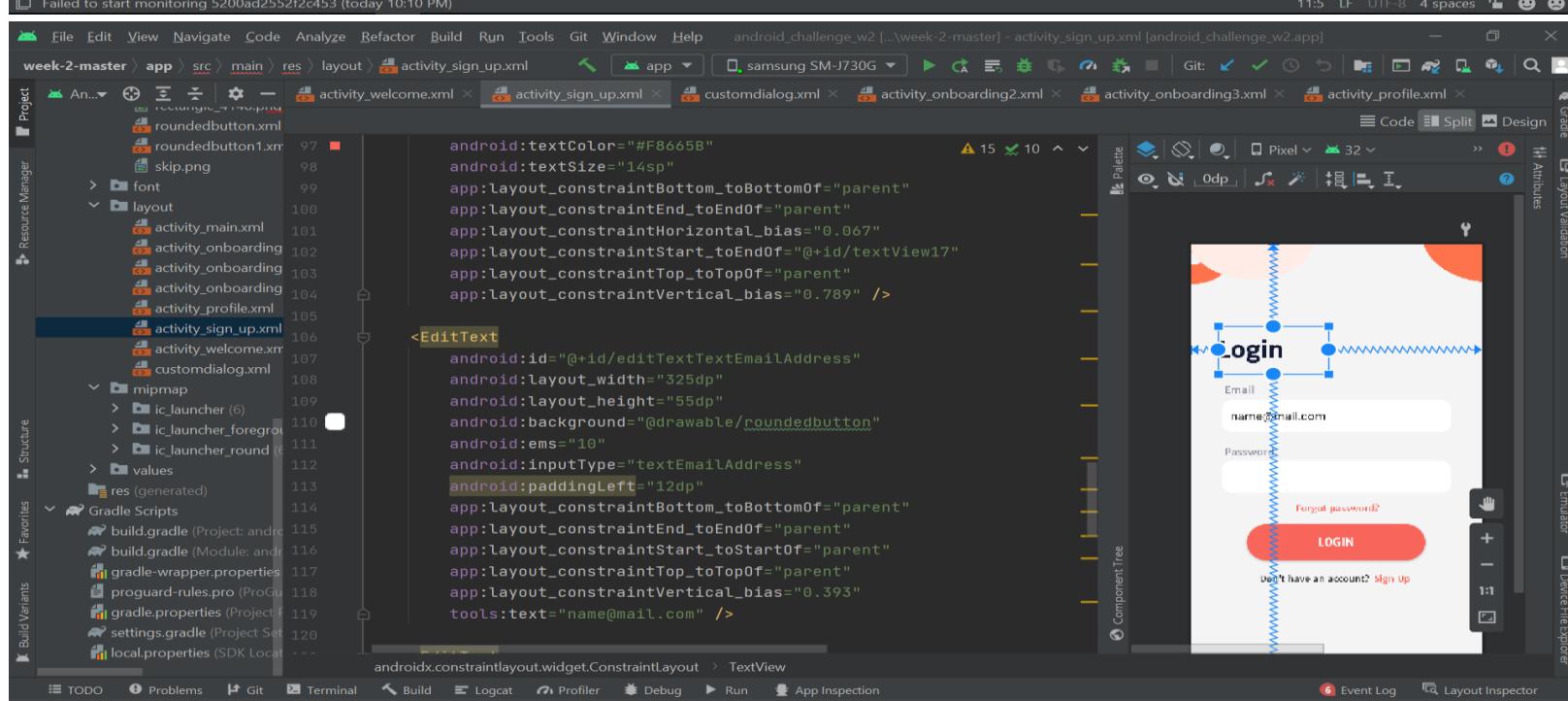
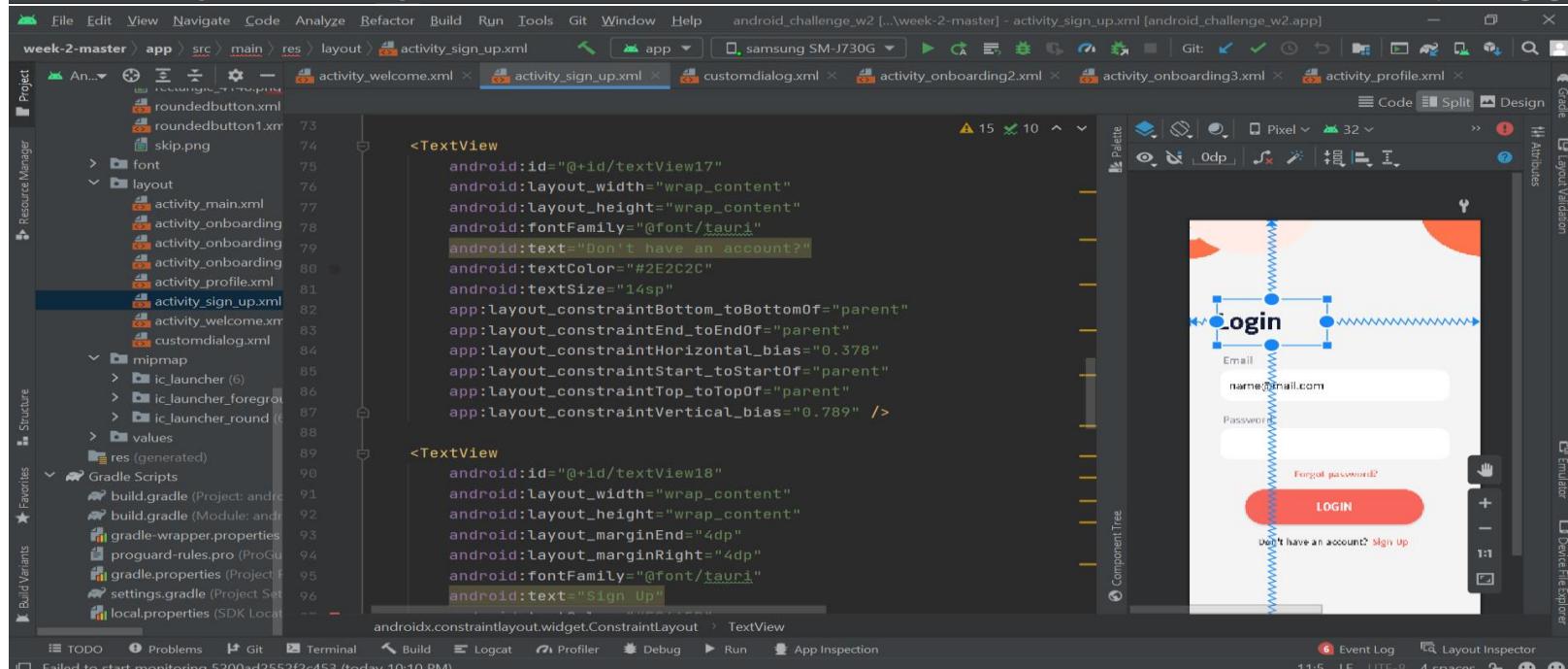
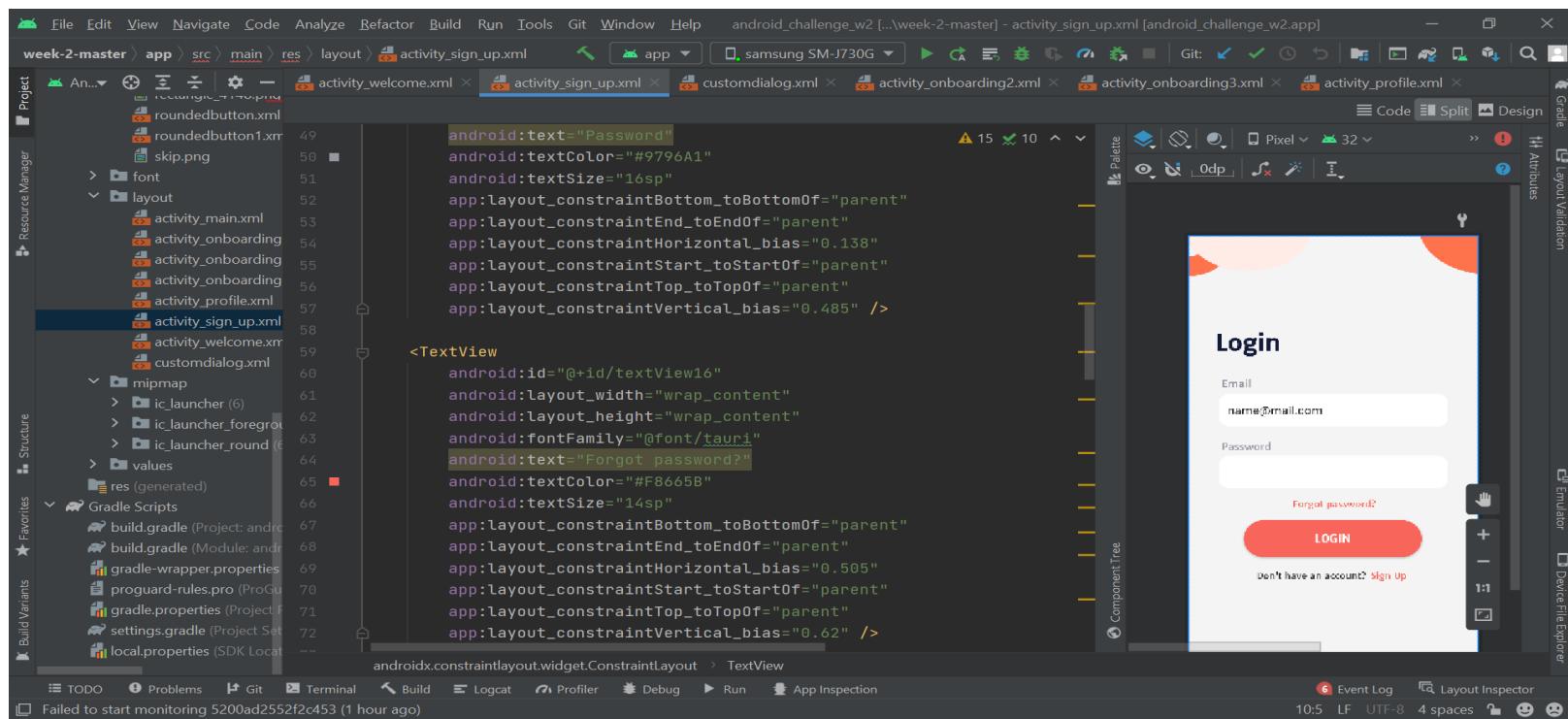
Event Log Layout Inspector

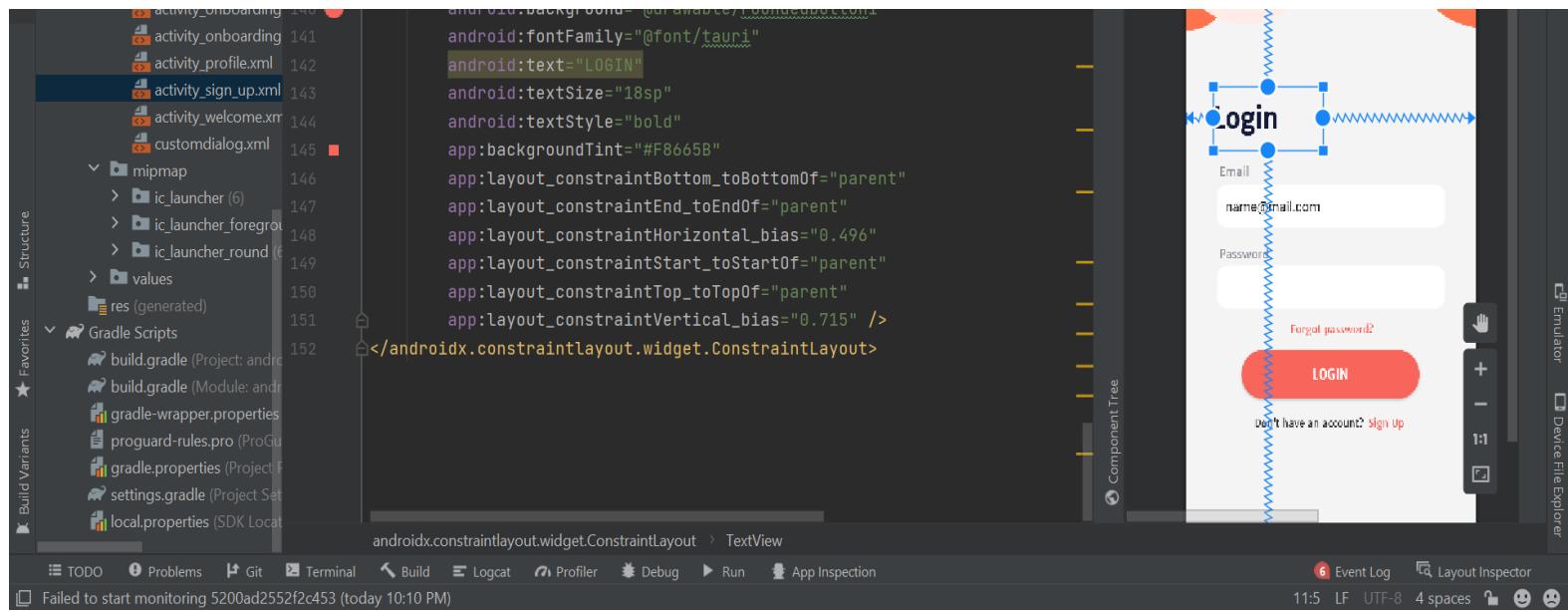
199:53 LF UTF-8 4 spaces



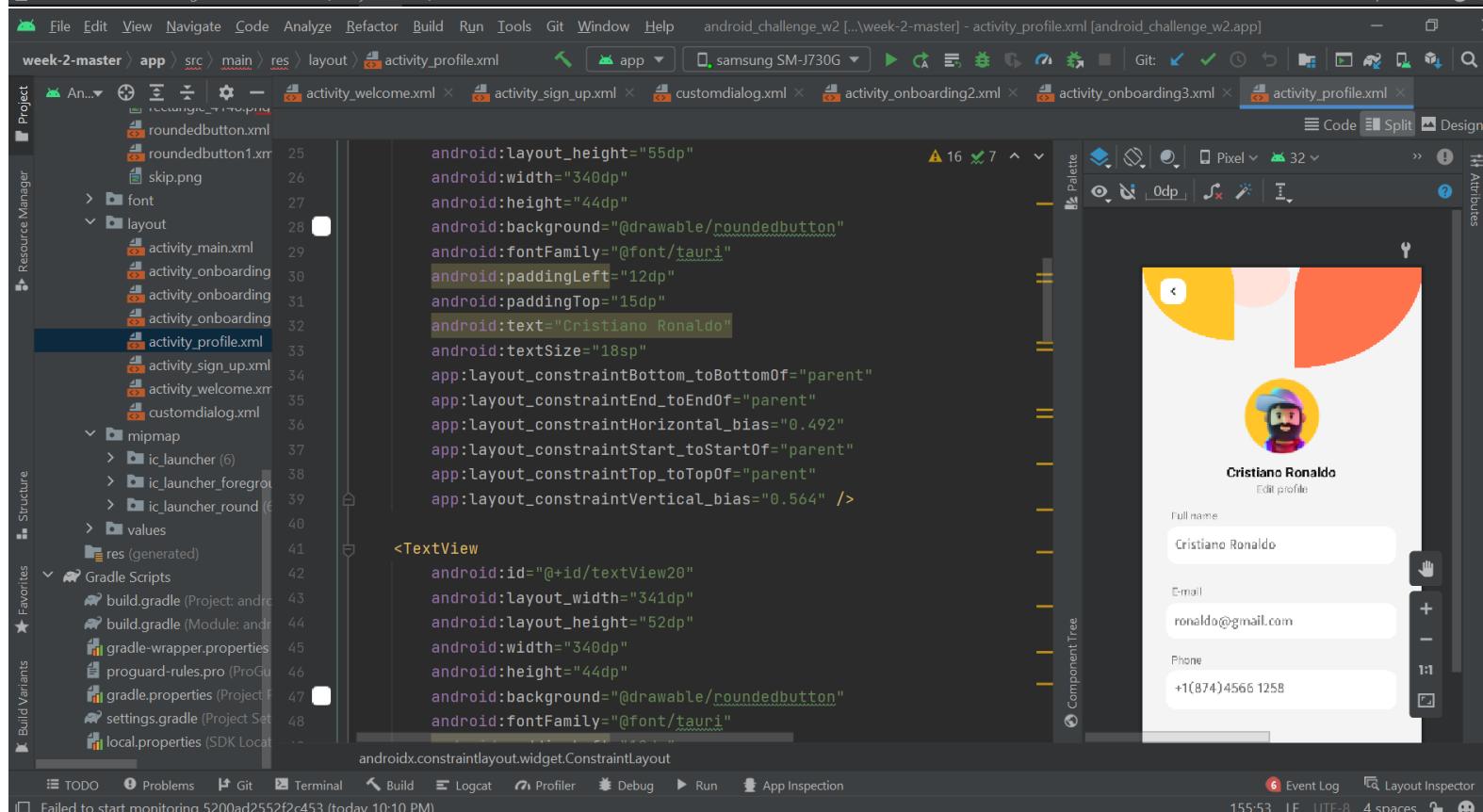
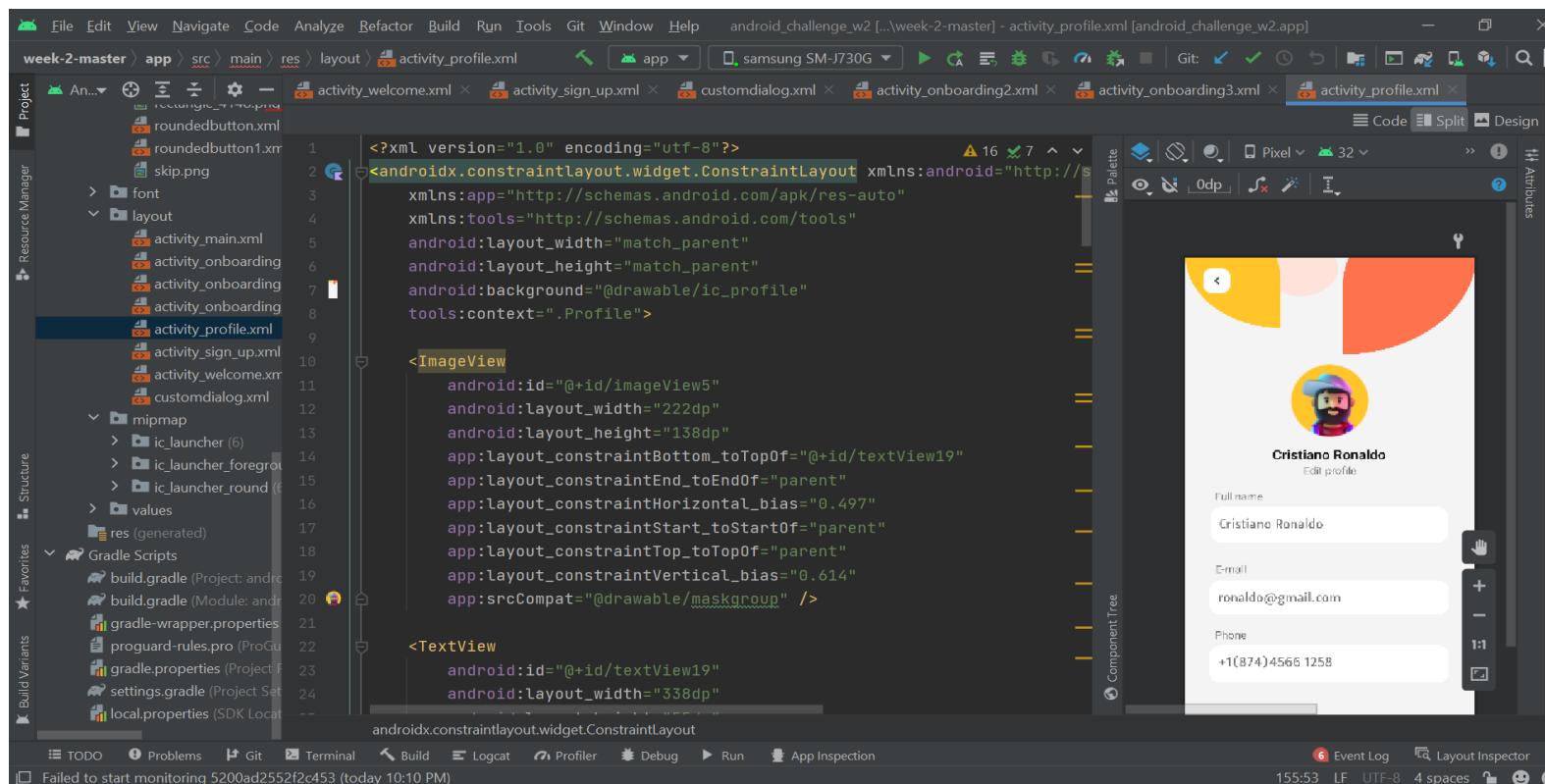
## 6. Activity\_sign\_up.xml







## 7. Activity\_profile.xml



The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project structure with files like roundedbutton.xml, activity\_main.xml, activity\_onboarding, activity\_profile.xml, activity\_sign\_up.xml, activity\_welcome.xml, and customdialog.xml.
- Code Editor:** The main editor displays the XML code for activity\_profile.xml. The code includes constraints for TextViews and a ConstraintLayout.

```
        android:paddingLeft="12dp"
        android:paddingTop="15dp"
        android:text="ronaldo@gmail.com"
        android:textSize="18sp"
        app:layout_constraintBottom_toTopOf="@+id/textView21"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.492"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView19"
        app:layout_constraintVertical_bias="0.553" />

<TextView
    android:id="@+id/textView21"
    android:layout_width="341dp"
    android:layout_height="57dp"
    android:width="340dp"
    android:height="44dp"
    android:background="@drawable/roundedbutton"
    android:fontFamily="@font/tauri"
    android:paddingLeft="12dp"
    android:paddingTop="15dp"
    android:text="+1(874)4566 1258"
    android:textSize="18sp"
    app:layout_constraintBottom_toBottomOf="parent"
    androidx.constraintlayout.widget.ConstraintLayout
```
- Preview:** On the right, a preview window shows a user profile for "Cristiano Ronaldo". The profile picture is a cartoon version of him, and the name is "Cristiano Ronaldo" with an "Edit profile" button. Below the name, there are fields for "Full name" (Cristiano Ronaldo), "Email" (ronaldo@gmail.com), and "Phone" (+1(874)4566 1258).
- Bottom Bar:** The bottom navigation bar includes icons for TODO, Problems, Git, Terminal, Build, Logcat, Profiler, Debug, Run, and App Inspection.

The screenshot shows the Android Studio interface with the following details:

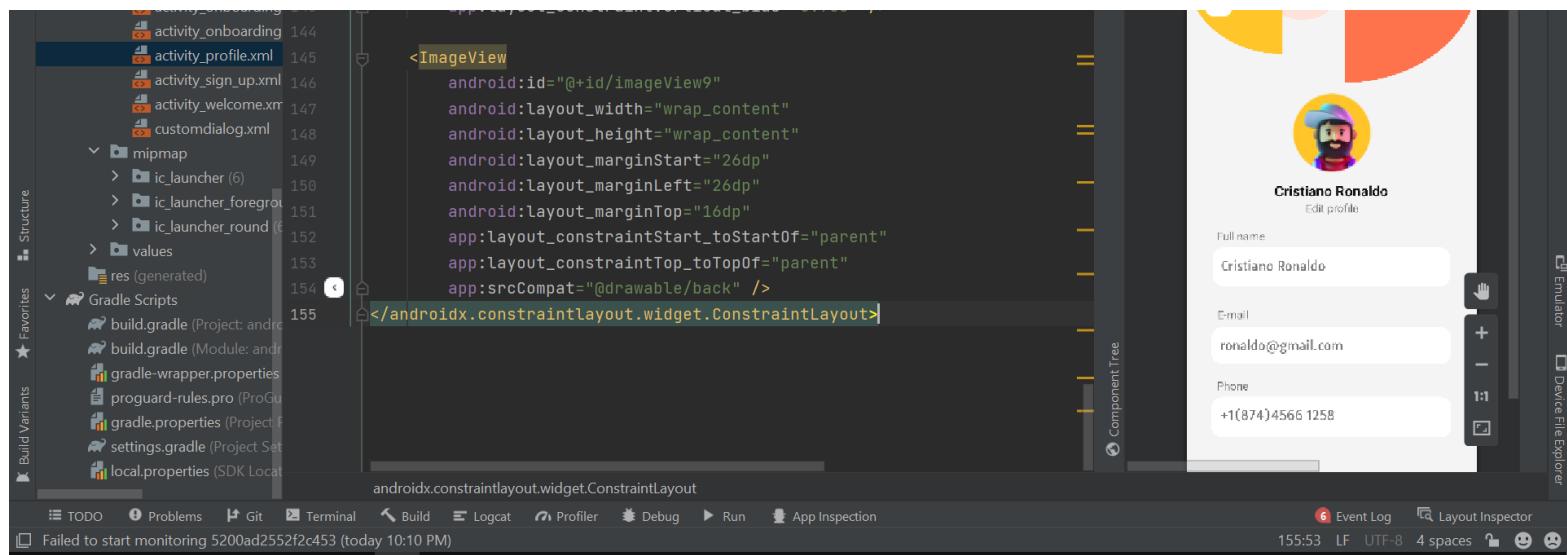
- Project Structure:** The left sidebar shows the project structure with files like activity\_main.xml, activity\_onboarding, activity\_profile.xml, activity\_sign\_up.xml, activity\_welcome.xml, and customdialog.xml.
- Code Editor:** The main editor displays the XML code for the activity\_profile.xml layout. The code includes constraints for a rounded button and two text views, one of which contains the text "Cristiano Ronaldo".
- Preview:** On the right, the design preview shows a circular profile picture of a person with a beard and a blue hat, labeled "Cristiano Ronaldo" with a "Edit profile" button below it. Below the preview is a form with fields for "Full name" (Cristiano Ronaldo), "Email" (ronaldo@gmail.com), and "Phone" (+1(874)4566 1258).
- Toolbars and Bottom Navigation:** The top has standard Android Studio toolbars. The bottom features a navigation bar with icons for TODO, Problems, Git, Terminal, Build, Logcat, Profiler, Debug, Run, and App Inspection. The status bar at the bottom shows "Failed to start monitoring 5200ad2552f2453 (today 10:10 PM)" and "15553 LF LITE-B 4 spaces 2".

The screenshot shows the Android Studio interface with the following details:

- Project Tree:** The project structure is visible on the left, showing files like roundedbutton.xml, activity\_main.xml, activity\_onboarding, activity\_profile.xml, and various resources.
- Code Editor:** The main editor displays the XML code for `activity_profile.xml`. The code includes constraints for a `TextView` and `EditText` to align with other UI elements.
- Preview:** On the right, a preview window shows a user profile screen for "Cristiano Ronaldo". It features a circular profile picture, the name "Cristiano Ronaldo", and fields for "Full name" (Cristiano Ronaldo), "Email" (ronaldo@gmail.com), and "Phone" (+1(874)4566 1258).

The screenshot shows the Android Studio interface with the following details:

- Project Tree:** The left sidebar shows the project structure under `src/main/res/layout`. It includes files like `activity_welcome.xml`, `activity_sign_up.xml`, `customdialog.xml`, `activity_onboarding2.xml`, `activity_onboarding3.xml`, and `activity_profile.xml`.
- Code Editor:** The main editor displays the XML code for `activity_profile.xml`. The code uses ConstraintLayout to position a circular profile picture and some text fields.
- Preview:** On the right, the `Design` tab shows a preview of the user interface. It features a large orange circle at the top, a circular profile picture of a person with a beard and blue hat in the center, and a form below with fields for "Full name" (Cristiano Ronaldo), "Email" (ronaldo@gmail.com), and "Phone" (+1(874)4566 1258).



## 8. Customdialog.xml

