

BÀI BÁO CÁO MÔN LẬP TRÌNH DI ĐỘNG

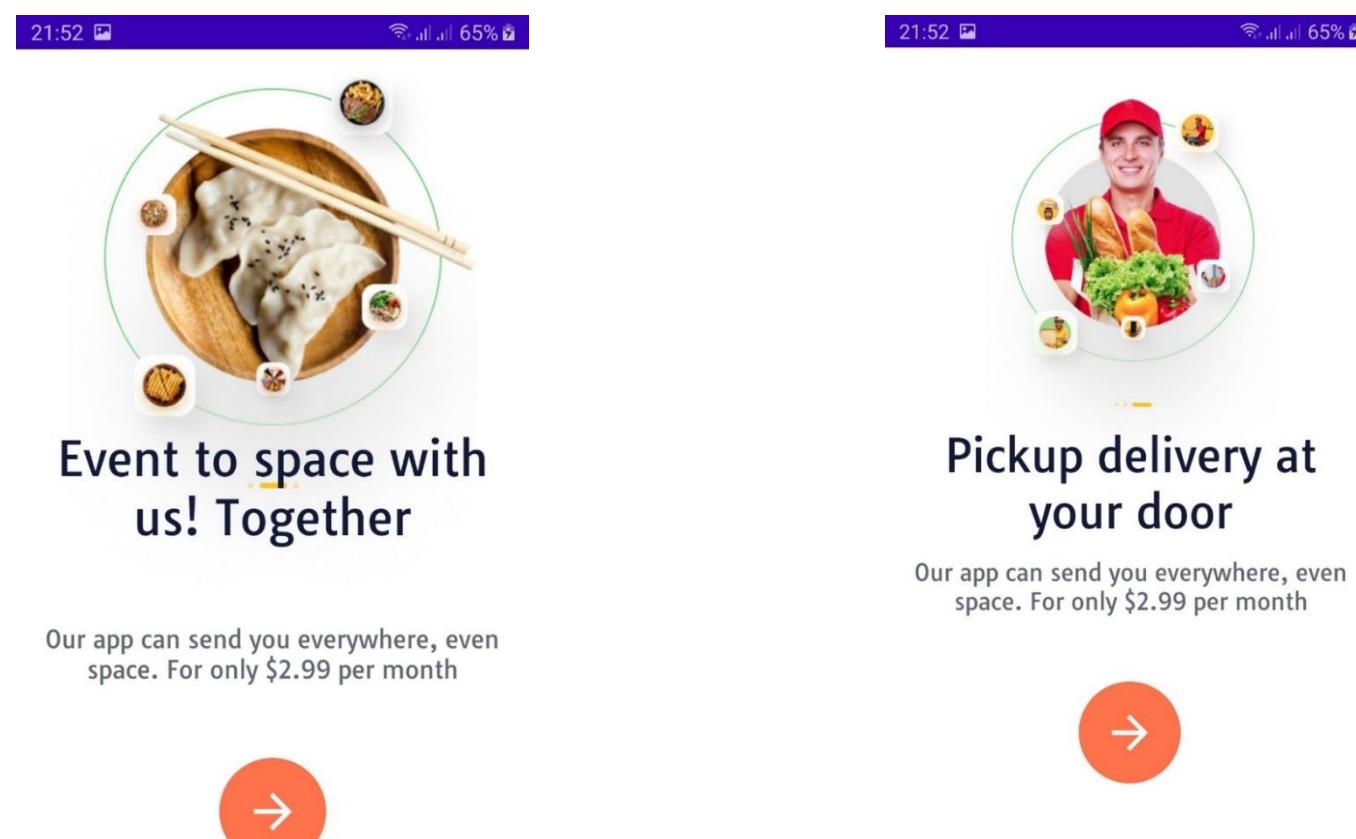
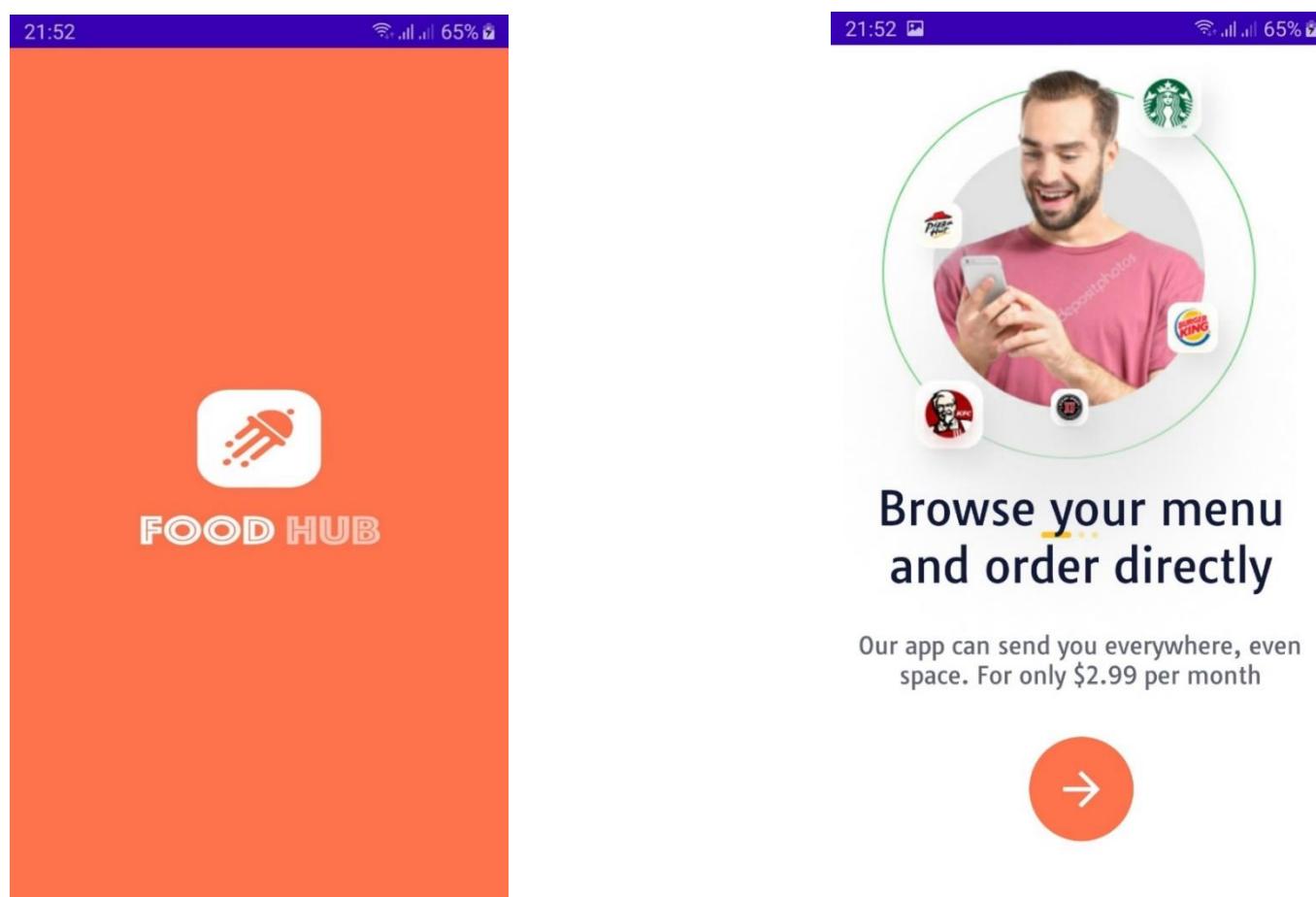
ANDROID CHALLENGE WEEK 2

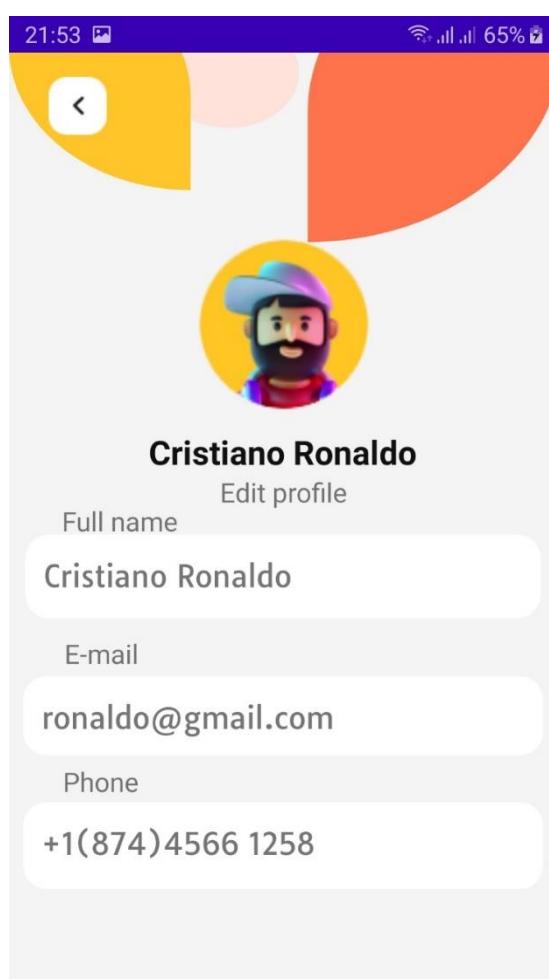
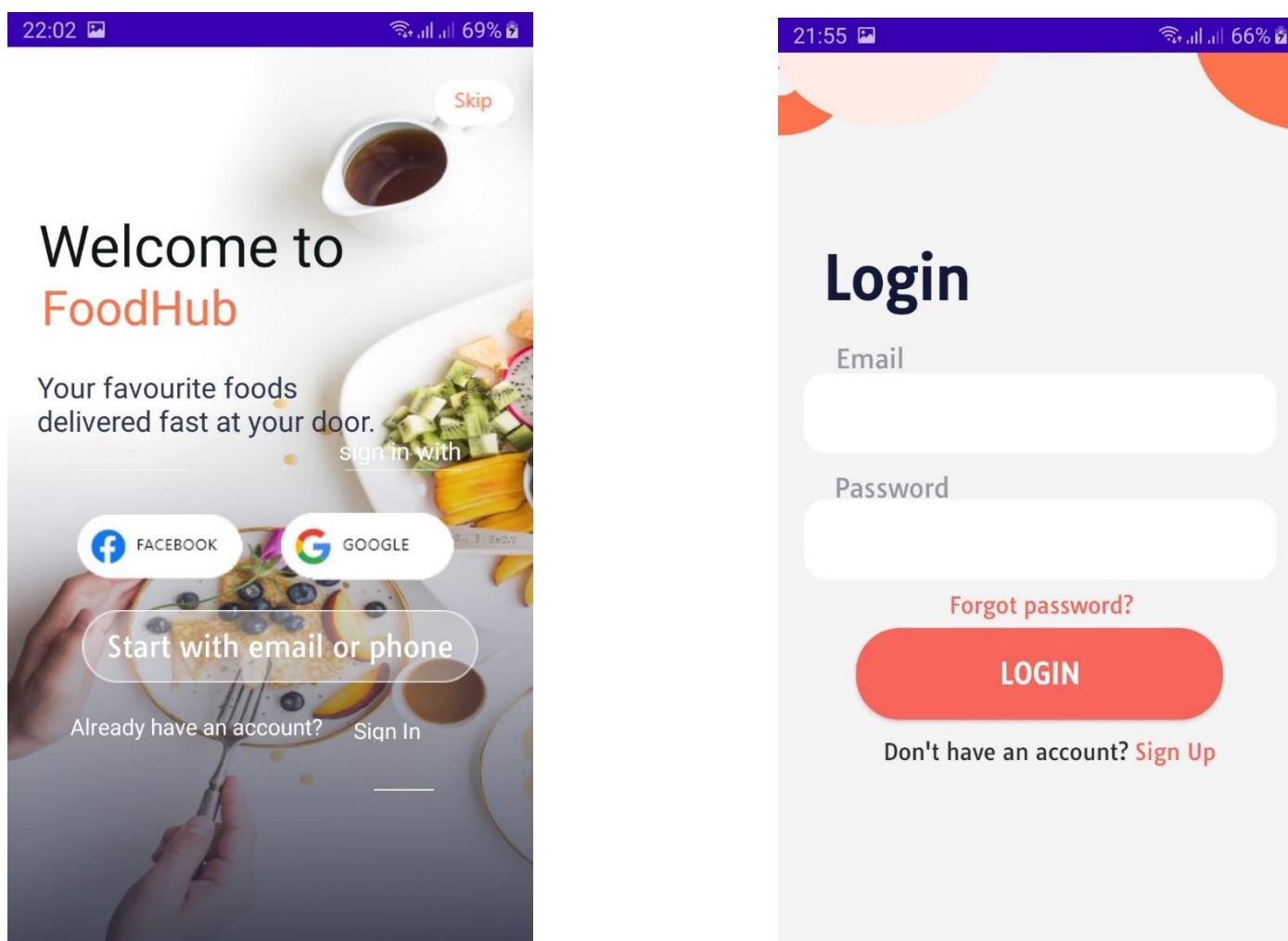
Thành viên:

18200176	Đinh Quang Nam
18200180	Võ Lê Vĩnh Nghĩa
18200190	Bùi Văn Duy Nhất
18200165	Nguyễn Thành Long
1720141	Trần Lê Bảo Long

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 sẽ chuyển đến profile có sẵn.





PHẦN CODE

- I. Code kotlin

File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android_challenge_w2 [..\\week-2-master\\week-2-master] - MainActivity.kt [android_challenge_w2.app]

src > main > java > com > example > android_challenge_w2 > MainActivity

```
activity_welcome.xml MainActivity.kt Profile.kt Login.kt Welcome.kt customdialog.xml activity_onboarding2.xml
```

Android app manifests java com.example.android_challenge Login MainActivity Onboarding1 Onboarding2 Onboarding3 Profile Welcome

Java (generated) res drawable back.png bg.png (v24) circe_button.xml facebook.png (v24) googles.png (v24) group1.jpg group12.png group2.jpg group3.jpg group_17868.png ic_baseline_arrow_forward_24px ic_launcher_background.xml ic_launcher_foreground.xml ic_profile.xml

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: this@MainActivity, Onboarding1::class.java)
            startActivity(intent)
            finish()
        }, delayMillis: 3000)
    }
}
```

Event Log Layout Inspector

Attempt to apply only code changes without restarting anything.

File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android_challenge_w2 [..\\week-2-master\\week-2-master] - Onboarding1.kt [android_challenge_w2.app]

droid_challenge_w2 > Onboarding1 > onCreateView(savedInstanceState: Bundle?)

```
activity_welcome.xml MainActivity.kt Onboarding1.kt Profile.kt Login.kt Welcome.kt customdialog.xml activity_onboarding1.xml
```

Android app manifests java com.example.android_challenge Login MainActivity Onboarding1 Onboarding2 Onboarding3 Profile Welcome

Java (generated) res drawable back.png bg.png (v24) circe_button.xml facebook.png (v24) googles.png (v24) group1.jpg group12.png group2.jpg group3.jpg group_17868.png ic_baseline_arrow_forward_24px ic_launcher_background.xml ic_launcher_foreground.xml ic_profile.xml

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 onCreateView(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_onboarding1)
        supportActionBar?.hide()

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

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

Event Log Layout Inspector

Failed to start monitoring 5200ad2552f2c453 (19 minutes ago)

File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android_challenge_w2 [..\\week-2-master\\week-2-master] - Onboarding2.kt [android_challenge_w2.app]

droid_challenge_w2 > Onboarding2 > onCreateView(savedInstanceState: Bundle?)

```
activity_welcome.xml MainActivity.kt Onboarding1.kt Onboarding2.kt Profile.kt Login.kt Welcome.kt customdialog.xml
```

Android app manifests java com.example.android_challenge Login MainActivity Onboarding1 Onboarding2 Onboarding3 Profile Welcome

Java (generated) res drawable back.png bg.png (v24) circe_button.xml facebook.png (v24) googles.png (v24) group1.jpg group12.png group2.jpg group3.jpg group_17868.png ic_baseline_arrow_forward_24px ic_launcher_background.xml ic_launcher_foreground.xml ic_profile.xml

package com.example.android_challenge_w2

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

class Onboarding2 : AppCompatActivity() {

```
    override fun onCreateView(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_onboarding2)
        supportActionBar?.hide()

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

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

Event Log Layout Inspector

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File Edit View Navigate Code Analyze Refactor Build Run Tools Git Window Help android_challenge_w2 [..\\week-2-master\\week-2-master] - Onboarding3.kt [android_challenge_w2.app]

src > main > java > com > example > android_challenge_w2 > Onboarding3

```
activity_welcome.xml MainActivity.kt Onboarding1.kt Onboarding2.kt Onboarding3.kt Profile.kt Login.kt Welcome.kt
```

Android app manifests java com.example.android_challenge Login MainActivity Onboarding1 Onboarding2 Onboarding3 Profile Welcome

Java (generated) res drawable back.png bg.png (v24) circe_button.xml facebook.png (v24) googles.png (v24) group1.jpg group12.png group2.jpg group3.jpg group_17868.png ic_baseline_arrow_forward_24px ic_launcher_background.xml ic_launcher_foreground.xml ic_profile.xml

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 onCreateView(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_onboarding3)
        supportActionBar?.hide()

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

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

Event Log Layout Inspector

Typo: In word 'Onboarding'

```
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.*
```

```
class Profile : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_profile)
        supportActionBar?.hide()

        val textView26=findViewById<TextView>(R.id.textView26)
        val textView25=findViewById<TextView>(R.id.textView25)
        val textView19=findViewById<TextView>(R.id.textView19)
        val textView20=findViewById<TextView>(R.id.textView20)
        val textView21=findViewById<TextView>(R.id.textView21)

        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)
    }
}
```

```
        imageView9.setOnClickListener{ it: View!
        val intent = Intent( packageName: this, LogIn::class.java)
        startActivity(intent)
    }
}
```

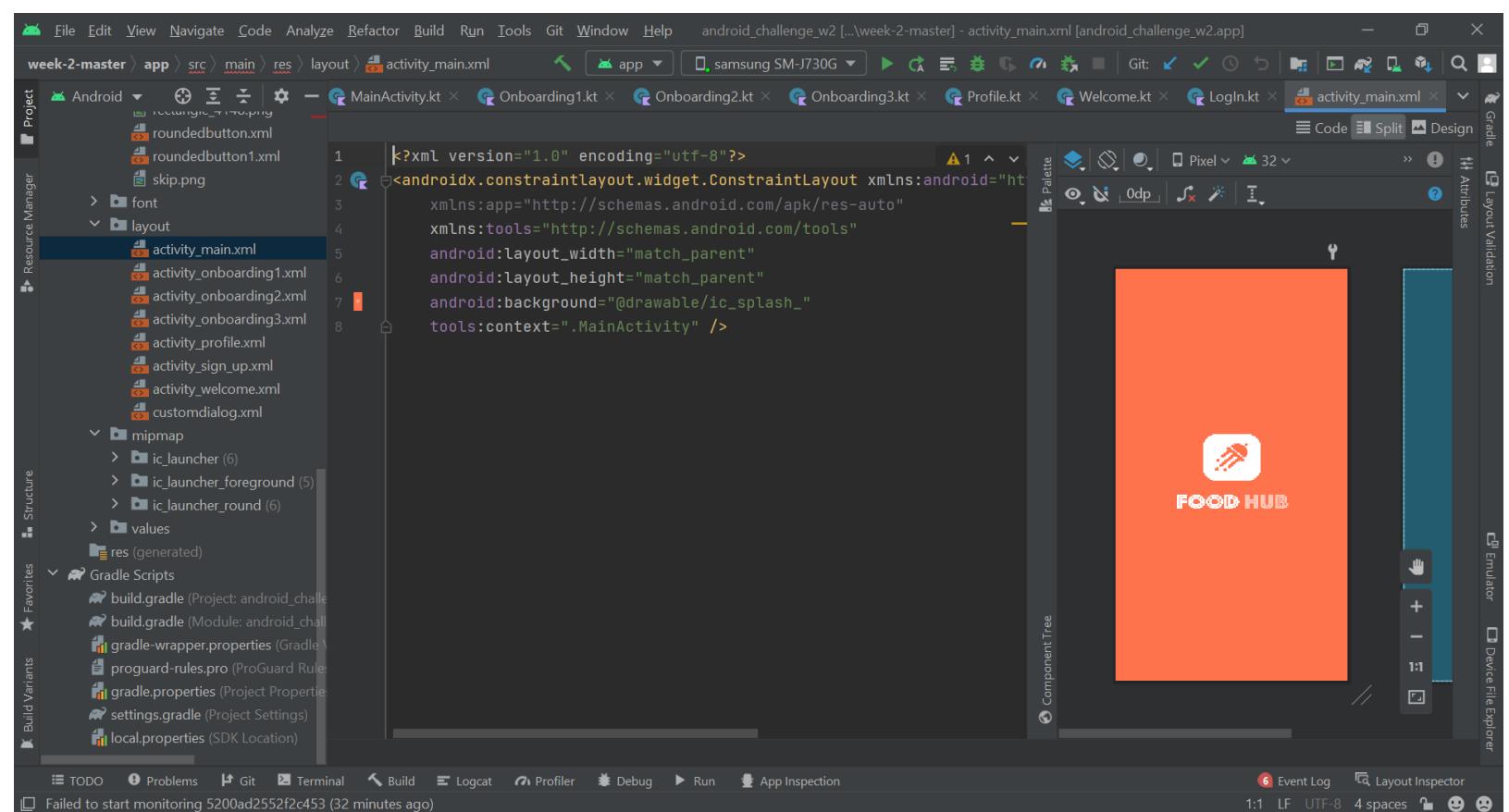
```

1 package com.example.android_challenge_w2
2
3 import android.content.Intent
4 import androidx.appcompat.app.AppCompatActivity
5 import android.os.Bundle
6 import android.widget.Button
7 import android.widget.EditText
8
9 class LogIn : AppCompatActivity() {
10     override fun onCreate(savedInstanceState: Bundle?) {
11         super.onCreate(savedInstanceState)
12         setContentView(R.layout.activity_sign_up)
13         supportActionBar?.hide()
14
15         val button = findViewById<Button>(R.id.button4)
16         val email = findViewById<EditText>(R.id.editTextTextEmailAddress)
17         val pass = findViewById<EditText>(R.id.editTextTextPassword)
18
19         button.setOnClickListener{ it: View! }
20         println("1234")
21         println(email.text)
22         if(email.text.toString() == "ronaldo@gmail.com"){
23             if(pass.text.toString() == "123456") {
24                 val intent = Intent(packageContext: this, Profile::class.java)
25                 startActivity(intent)
26             } else{
27                 email.setText("")
28                 pass.setText("")
29             }
30         } else {
31             email.setText("")
32             pass.setText("")
33         }
34     }
35 }
36

```

II. Phần code xml

1. Activity_main.xml



2. Activity_acboarding1.xml

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

- Project Structure:** The left sidebar shows the project structure under "app".
- Code Editor:** The main editor displays the XML code for `activity_onboarding1.xml`. The code includes declarations for `ConstraintLayout`, `ImageButton`, and `ImageView`.
- Preview:** On the right, the "Design" tab shows a circular onboarding screen with a man holding a phone. Four small circular icons (coffee, burger, coffee cup, and person) are arranged around him.
- Bottom Bar:** The bottom navigation bar includes tabs for "TODO", "Problems", "Git", "Terminal", "Build", "Logcat", "Profiler", "Debug", "Run", and "App Inspection".

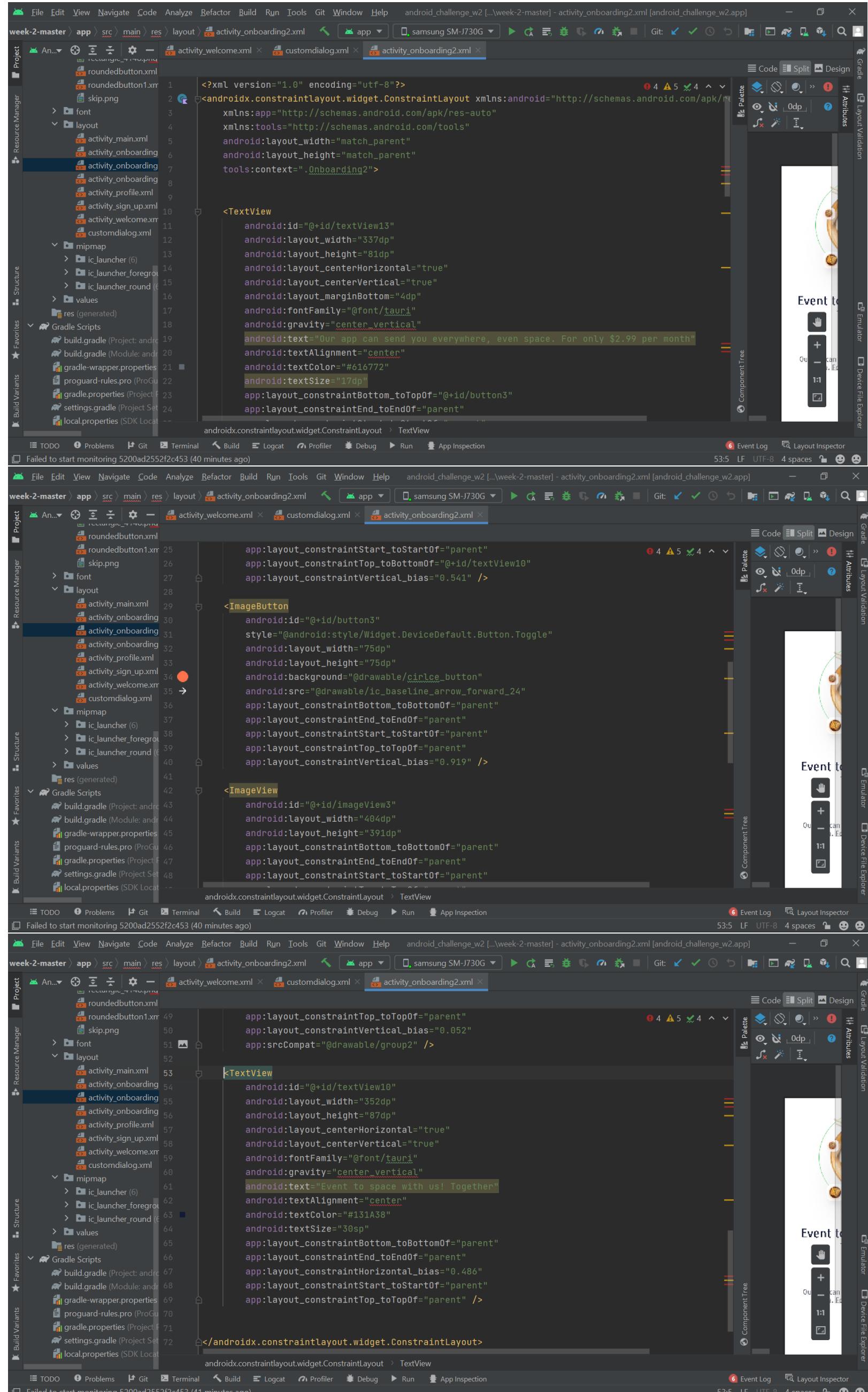
The screenshot shows the Android Studio interface with the following details:

- Project Tree:** The left sidebar shows the project structure under `app/src/main/res/layout`. It includes files like `activity_main.xml`, `activity_onboarding1.xml` (selected), `activity_onboarding2.xml`, `activity_onboarding3.xml`, `activity_profile.xml`, `activity_sign_up.xml`, `activity_welcome.xml`, and `customdialog.xml`.
- Code Editor:** The main editor pane displays the XML code for `activity_onboarding1.xml`. The selected text is `android:text="Browse your menu and order directly"`. A tooltip for `ConstraintLayout` is visible at the bottom.
- Preview:** To the right of the code editor is a preview window showing a circular layout with a man holding a phone and various food items (coffee cup, burger, etc.) around him.
- Bottom Navigation:** The navigation bar at the bottom includes tabs 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 Tree:** The left sidebar shows the project structure under `app/src/main/res/layout`. Files listed include `activity_main.xml`, `activity_onboarding1.xml` (selected), `activity_onboarding2.xml`, `activity_onboarding3.xml`, `activity_profile.xml`, `activity_sign_up.xml`, `activity_welcome.xml`, and `customdialog.xml`.
- Code Editor:** The main area displays the XML code for `activity_onboarding1.xml`. The code includes constraints for a `ConstraintLayout` and a `TextView` with specific gravity, text alignment, and text size.
- Design Preview:** On the right, the preview window shows a circular layout containing a man holding a phone, surrounded by small icons representing different app features.
- Bottom Navigation:** The navigation bar at the bottom includes tabs for `TODO`, `Problems`, `Git`, `Terminal`, `Build`, `Logcat`, `Profiler`, `Debug`, `Run`, and `App Inspection`.

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_constraintVertical_bias="0.541" />

    <ImageButton
        android:id="@+id/button3"
        style="@+id/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>
```

4. Activity_onboarding3.xml

The screenshot shows the Android Studio interface with the XML code for `activity_onboarding3.xml` in the center-left pane and its design preview in the center-right pane.

XML Code:

```
<?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="@+id/button2"
        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="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" />

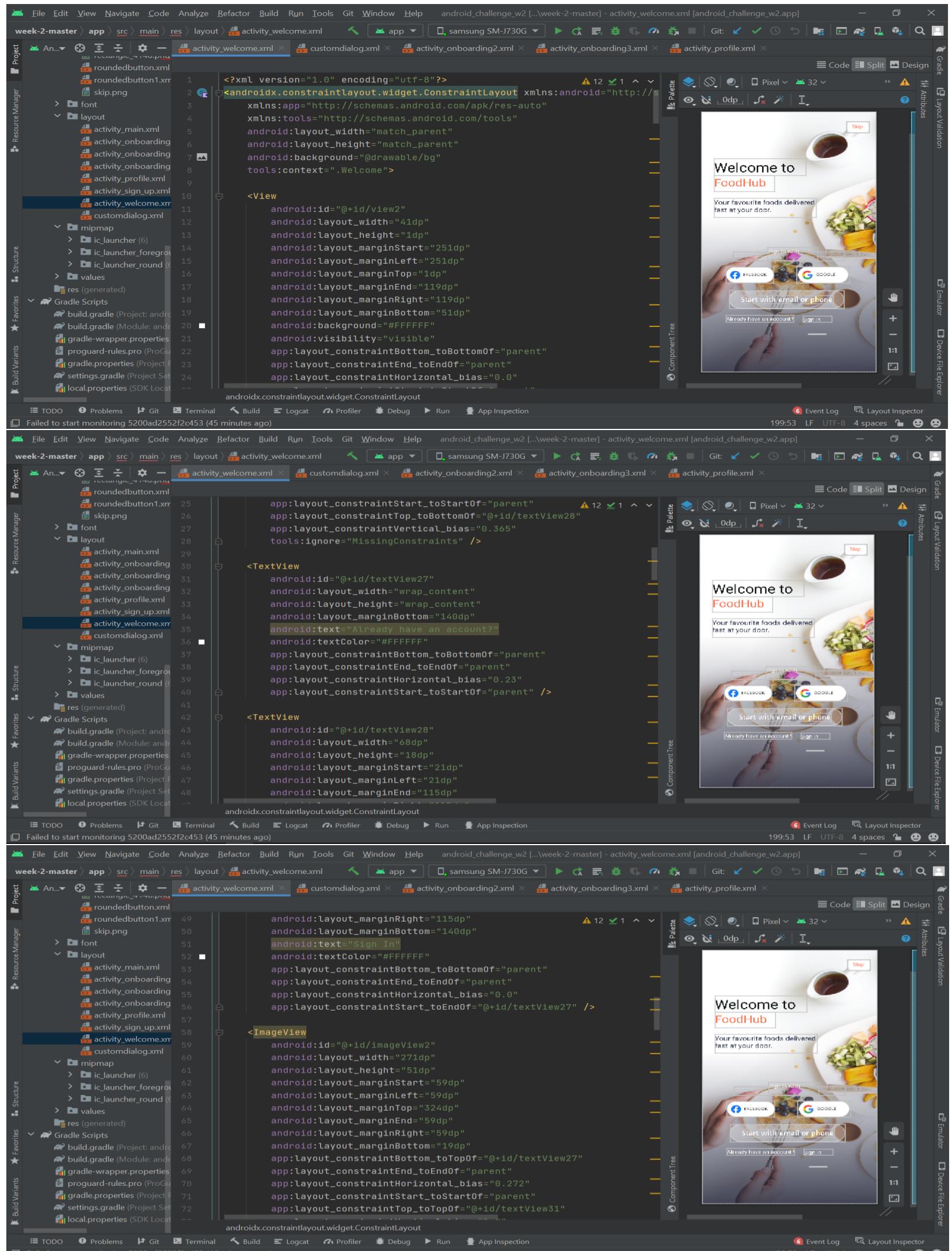
    <ImageView
        android:id="@+id/imageView"
        android:layout_width="343dp"
        android:layout_height="288dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.676"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app: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" />
```

Design Preview:

The design preview shows a circular profile picture of a delivery person holding groceries. Below the image is a text block: "Pickup delivery at your door". Underneath that, smaller text reads: "Our app can send you everywhere, even space. For only \$2.99 per month". A large orange button with a white arrow is located at the bottom right.

5. Activity_welcome.xml



The screenshot shows the Android Studio interface with the XML code for the 'activity_welcome.xml' file. The code defines a ConstraintLayout with various views like TextViews, Buttons, and an ImageView. The preview window on the right shows a welcome screen for 'FoodHub' with a dish image, social login buttons for Facebook and Google, and a sign-in button.

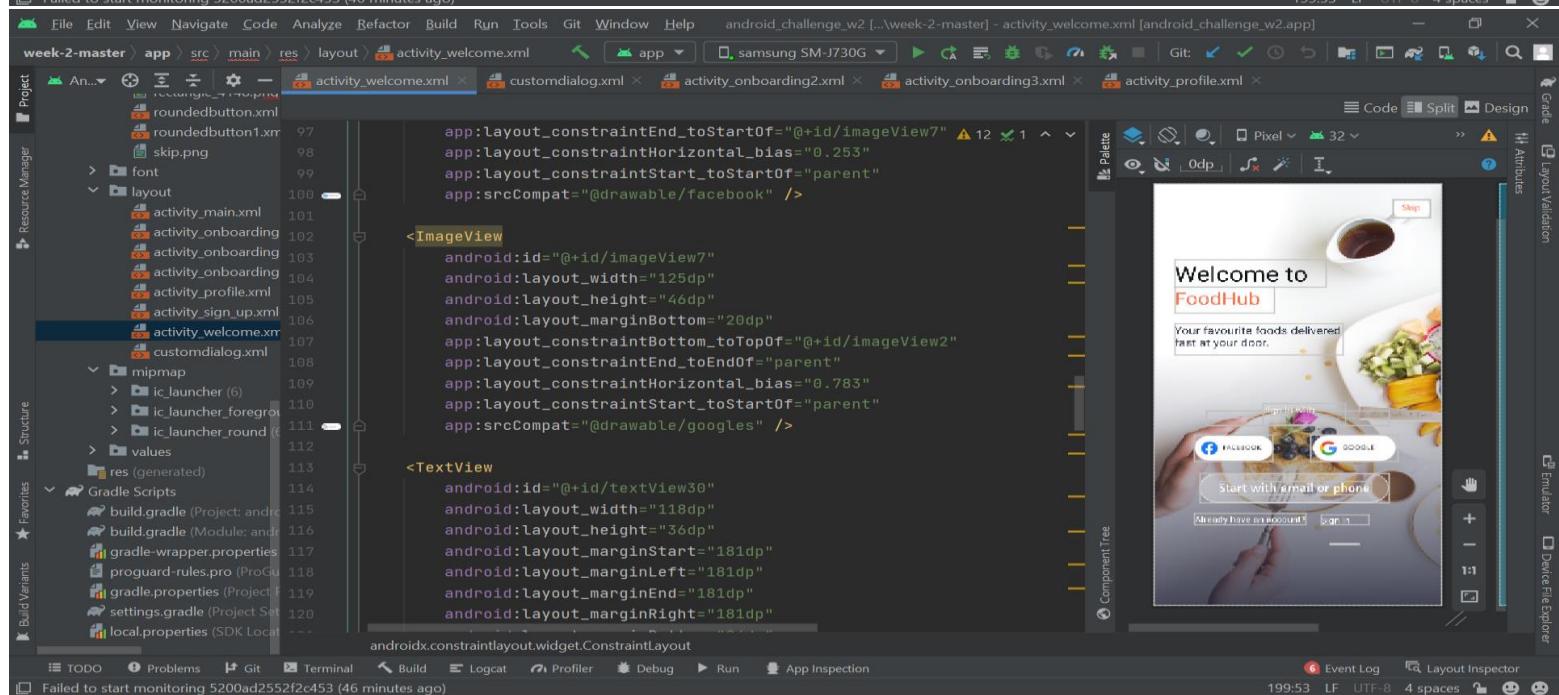
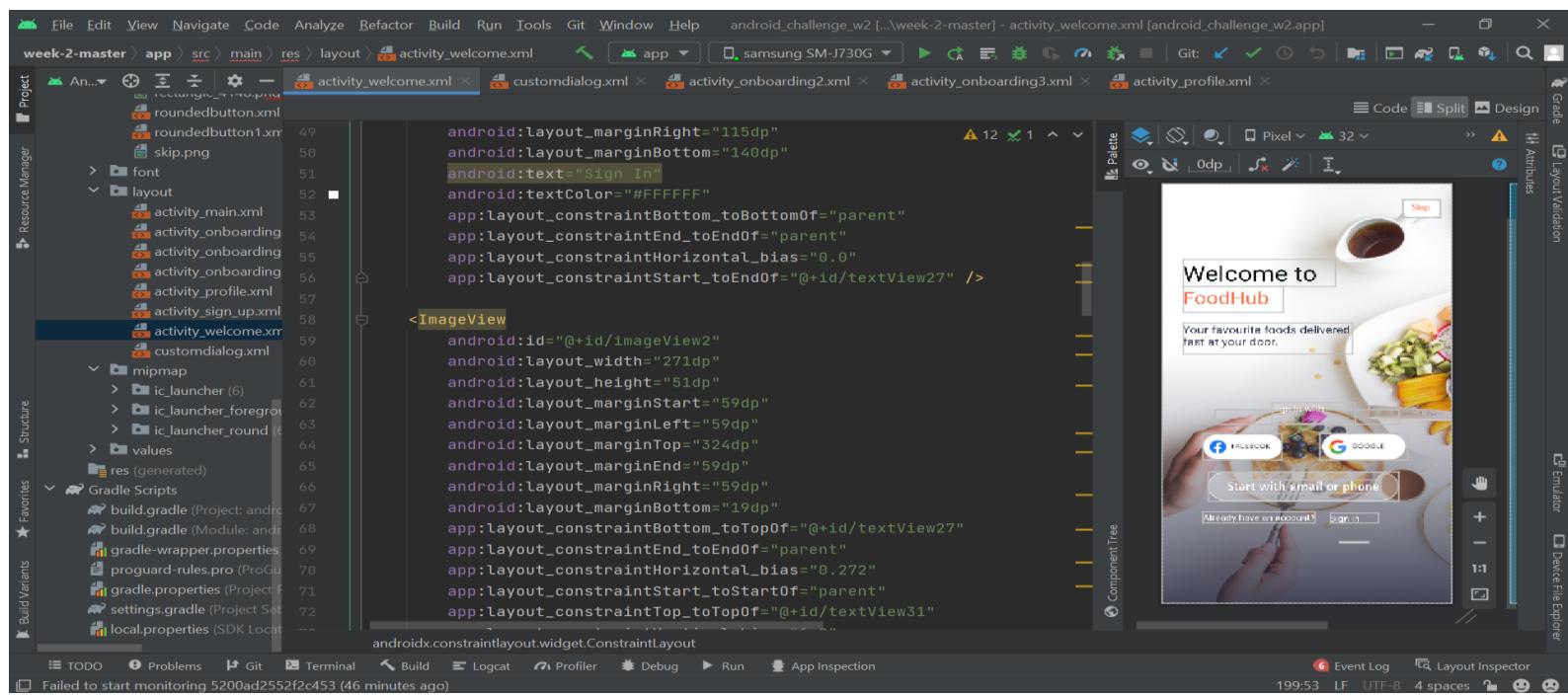
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@drawable/bg"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

    <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"
        android:layout_marginRight="115dp"
        android:text="Sign In"
        android:textColor="#FFFFFF" />

    <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" />
```



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 Resource Manager Favorites Structure Build Variants

activity_main.xml activity_onboarding activity_onboarding activity_onboarding activity_onboarding activity_profile.xml activity_sign_up.xml activity_welcome.xml customdialog.xml

font layout mipmap values res (generated) Gradle Scripts build.gradle (Project: android_challenge_w2) build.gradle (Module: android_challenge_w2) gradle-wrapper.properties proguard-rules.pro (ProGuard Rules) gradle.properties (Project File) settings.gradle (Project Settings) local.properties (SDK Location)

```

    android:layout_marginBottom="84dp"
    android:text="Sign in with"
    android:textColor="#FFFFFF"
    android:textSize="18sp"
    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"
    androidx.constraintlayout.widget.ConstraintLayout

```

Component Tree Attributes Emulator Device File Explorer

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

Failed to start monitoring 5200ad2552f2c453 (46 minutes ago)

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 Resource Manager Favorites Structure Build Variants

activity_onboarding activity_onboarding activity_profile.xml activity_sign_up.xml activity_welcome.xml customdialog.xml

mipmap values res (generated) Gradle Scripts build.gradle (Project: android_challenge_w2) build.gradle (Module: android_challenge_w2) gradle-wrapper.properties proguard-rules.pro (ProGuard Rules) gradle.properties (Project File) settings.gradle (Project Settings) local.properties (SDK Location)

```

<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"
    app:layout_constraintHorizontal_bias="0.955"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.038"
    app:srcCompat="@drawable/skip" />

</androidx.constraintlayout.widget.ConstraintLayout>

```

Component Tree Attributes Emulator Device File Explorer

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

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Project Resource Manager Favorites Structure Build Variants

activity_main.xml activity_onboarding activity_onboarding activity_onboarding activity_onboarding activity_profile.xml activity_sign_up.xml activity_welcome.xml customdialog.xml

font layout mipmap values res (generated) Gradle Scripts build.gradle (Project: android_challenge_w2) build.gradle (Module: android_challenge_w2) gradle-wrapper.properties proguard-rules.pro (ProGuard Rules) gradle.properties (Project File) settings.gradle (Project Settings) local.properties (SDK Location)

```

    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"
    app:layout_constraintVertical_bias="0.0" />

```

Component Tree Attributes Emulator Device File Explorer

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 Resource Manager Favorites Structure Build Variants

activity_main.xml activity_onboarding activity_onboarding activity_onboarding activity_onboarding activity_profile.xml activity_sign_up.xml activity_welcome.xml customdialog.xml

font layout mipmap values res (generated) Gradle Scripts build.gradle (Project: android_challenge_w2) build.gradle (Module: android_challenge_w2) gradle-wrapper.properties proguard-rules.pro (ProGuard Rules) gradle.properties (Project File) settings.gradle (Project Settings) local.properties (SDK Location)

```

        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 Emulator Device File Explorer

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

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6. Activity_sign_up.xml

The screenshot shows three instances of the Android Studio interface, each displaying the XML code for `activity_sign_up.xml` and its corresponding design preview.

Top Screenshot: Shows the XML code for the first part of the sign-up form. The `ConstraintLayout` has the following constraints for the first `TextView`:

```
<?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/ic_sign_up"
    tools:context=".LogIn">

    <TextView
        android:id="@+id/textView9"
        android:layout_width="156dp"
        android:layout_height="81dp"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:fontFamily="@font/tauri"
        android:gravity="center_vertical"
        android:text="Login"
        android:textColor="#131A38"
        android:textSize="36sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.148"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.15" />
```

Middle Screenshot: Shows the XML code for the second part of the sign-up form. The `ConstraintLayout` has the following constraints for the second `TextView`:

```
    <TextView
        android:id="@+id/textView12"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="@font/tauri"
        android:text="Email"
        android:textColor="#9796A1"
        android:textSize="16sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.127"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.336" />
```

Bottom Screenshot: Shows the XML code for the third part of the sign-up form. The `ConstraintLayout` has the following constraints for the third `TextView`:

```
    <TextView
        android:id="@+id/textView15"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:fontFamily="@font/tauri"
        android:text="Password"
        android:textColor="#9796A1"
        android:textSize="16sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.138"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.485" />
```

The design preview shows a white screen with rounded corners at the top. It contains a red header bar with the word "Login". Below it is a "Forgot password?" link. There are two input fields: one for "Email" (placeholder: name@mail.com) and one for "Password". A large red "LOGIN" button is centered below the inputs. At the bottom right, there is a link "Don't have an account? Sign Up".

activity_sign_up.xml

```

<TextView
    android:id="@+id/textView17"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:fontFamily="@font/tauri"
    android:text="Don't have an account?"
    android:textColor="#2E2C2C"
    android:textSize="14sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.378"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.789" />

<TextView
    android:id="@+id/textView18"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginEnd="4dp"
    android:layout_marginRight="4dp"
    android:fontFamily="@font/tauri"
    android:text="Sign Up"
    android:textSize="14sp" />

```

7. Activity_profile.xml

activity_profile.xml

```

<EditText
    android:id="@+id/editTextTextEmailAddress"
    android:layout_width="325dp"
    android:layout_height="55dp"
    android:background="@drawable/roundedbutton"
    android:ems="10"
    android:inputType="textEmailAddress"
    android:paddingLeft="12dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.393"
    tools:text="name@mail.com" />

```

activity_profile.xml

```

<EditText
    android:id="@+id/editTextTextPassword"
    android:layout_width="325dp"
    android:layout_height="55dp"
    android:background="@drawable/roundedbutton"
    android:ems="10"
    android:inputType="textPassword"
    android:paddingLeft="12dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.547" />

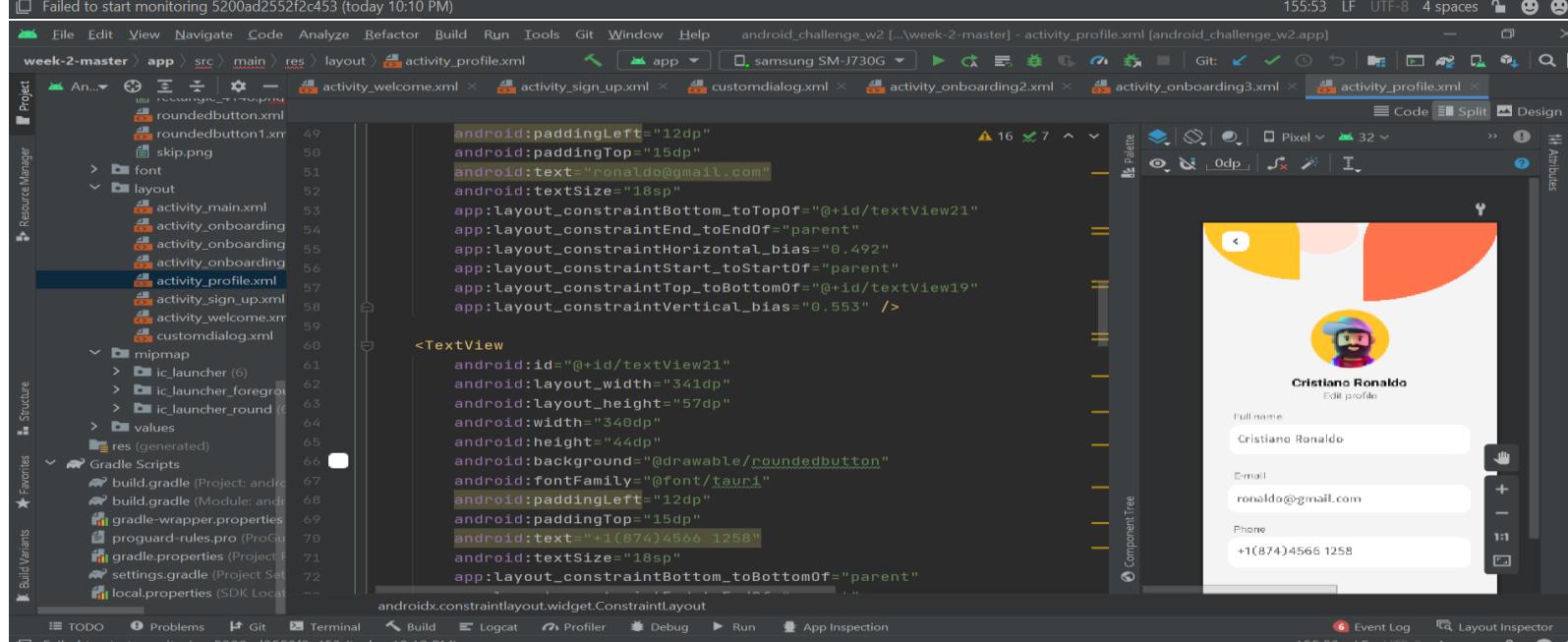
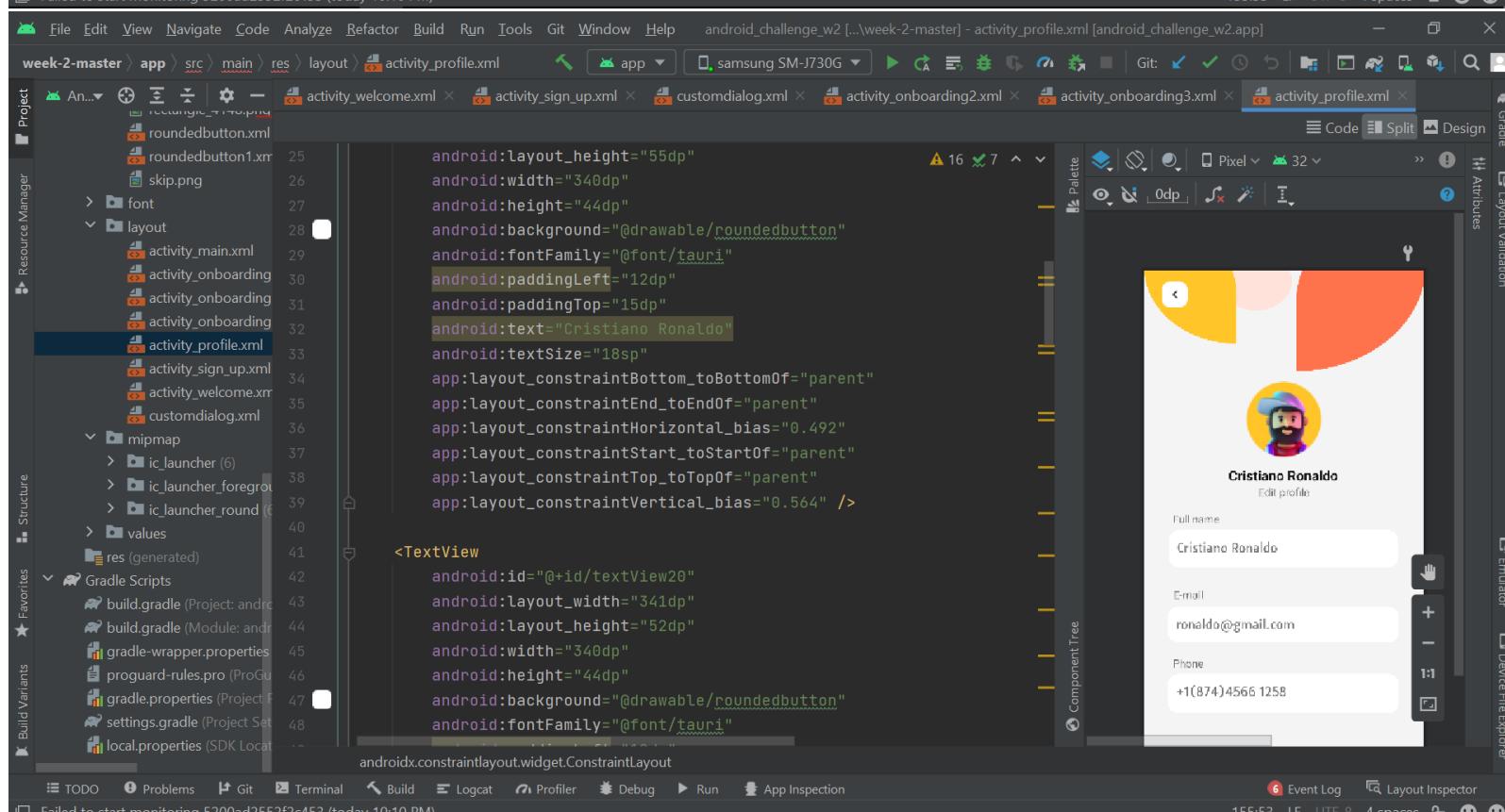
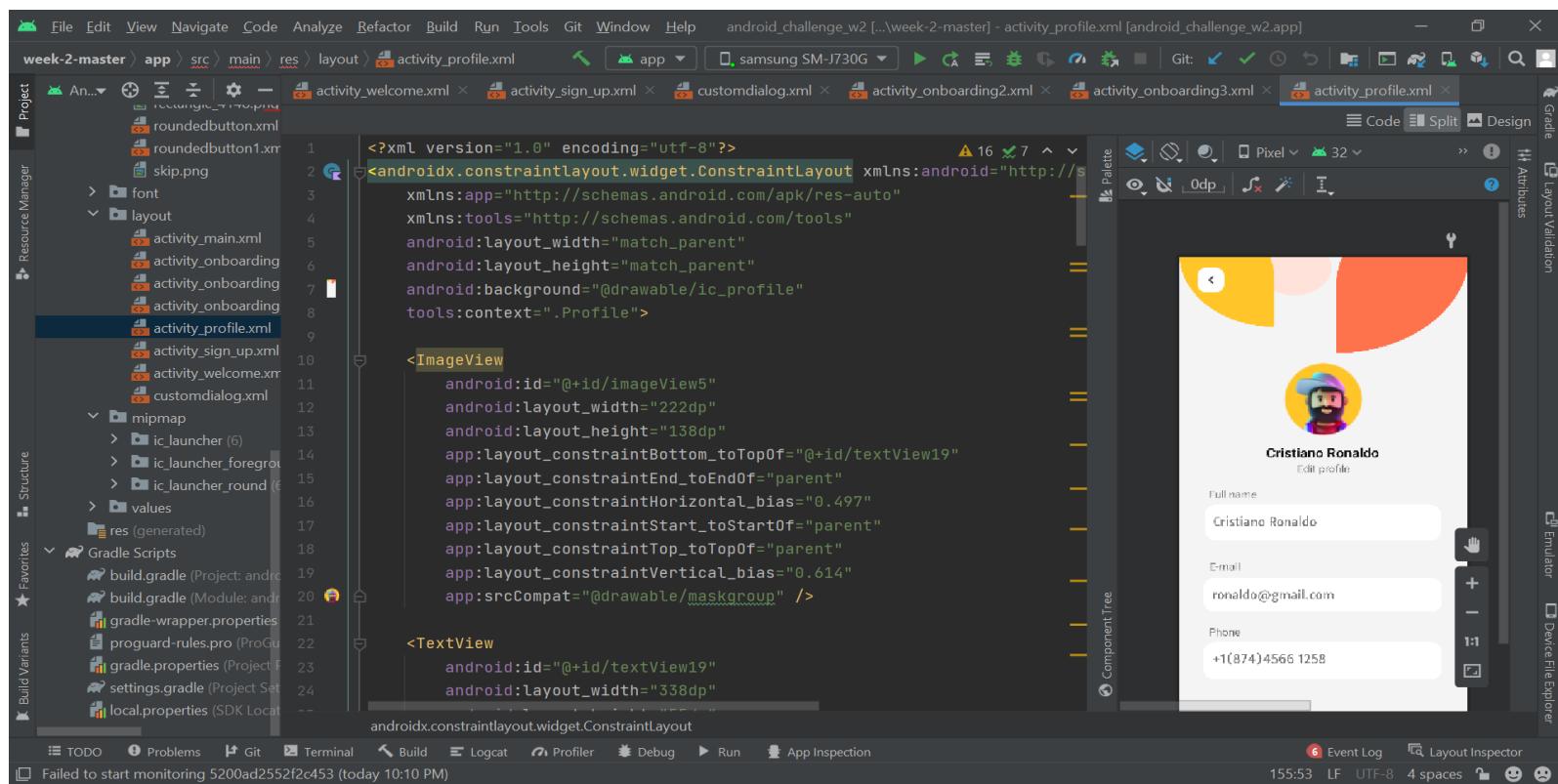
```

activity_profile.xml

```

<Button
    android:id="@+id/button4"
    style="@style/Widget.AppCompat.Button"
    android:layout_width="252dp"
    android:layout_height="65dp"
    android:background="@drawable/roundedbutton1"
    android:fontFamily="@font/tauri"
    android:text="LOGIN"
    android:textSize="18sp"
    android:textStyle="bold" />

```



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Project An... Resource Manager Structure Favorites Build Variants

src/main/res/layout/activity_profile.xml

```

    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.492"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.88" />

<TextView
    android:id="@+id/textView22"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Full name"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.122"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.499" />

<TextView
    android:id="@+id/textView26"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Edit profile"
    android:textSize="16sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.492"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.111" />

```

Component Tree

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Project An... Resource Manager Structure Favorites Build Variants

src/main/res/layout/activity_profile.xml

```

<Imageview
    android:id="@+id/imageView9"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="26dp"
    android:layout_marginLeft="26dp"
    android:layout_marginTop="16dp"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:srcCompat="@drawable/back" />

```

Component Tree

Failed to start monitoring 5200ad2552f2c453 (today 10:10 PM)

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Project An... Resource Manager Structure Favorites Build Variants

src/main/res/layout/activity_profile.xml

```

        android:textSize="16sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textView25"
        app:layout_constraintVertical_bias="0.0" />

<TextView
    android:id="@+id/textView25"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Cristiano Ronaldo"
    android:textColor="#121111"
    android:textSize="20sp"
    android:textStyle="bold"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.497"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/imageView5"
    app:layout_constraintVertical_bias="0.0" />

<TextView
    android:id="@+id/textView23"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Email"
    android:textSize="16sp"
    app:layout_constraintBottom_toTopOf="@+id/textView20"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.117"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView19"
    app:layout_constraintVertical_bias="0.795" />

<TextView
    android:id="@+id/textView24"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Phone"
    android:textSize="16sp"
    app:layout_constraintBottom_toTopOf="@+id/textView21"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.114"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/textView20"
    app:layout_constraintVertical_bias="0.783" />

```

Component Tree

Failed to start monitoring 5200ad2552f2c453 (today 10:10 PM)

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Project An... Resource Manager Structure Favorites Build Variants

src/main/res/layout/activity_profile.xml

8. Customdialog.xml

The screenshot shows three instances of the `customdialog.xml` file from an Android project named `week-2-master`. Each instance is displayed in a separate tab of the code editor, with its preview pane visible on the right.

Top Tab: This tab shows the initial state of the dialog. It consists of a vertical `LinearLayout` containing three `EditText` fields. The first `EditText` has the ID `@+id/dialogNameEt`, the second has `@+id/dialogEmailEt`, and the third has `@+id/dialogPasswEt`. Each `EditText` has a placeholder hint and a specific input type: `textPersonName`, `textEmailAddress`, and `phone` respectively.

Middle Tab: This tab shows the dialog after adding a fourth `EditText` field below the others. The new `EditText` has the ID `@+id/dialogPhoneEt`, a placeholder hint of `Enter phone number`, and an input type of `phone`.

Bottom Tab: This tab shows the dialog after adding two buttons: a `Button` with the ID `@+id/dialogLoginBtn` labeled "OK" and a `Button` with the ID `@+id/dialogCancelBtn` labeled "Cancel". Both buttons have a white background tint.

The code editor interface includes tabs for `Code`, `Split`, and `Design`. The `Design` tab is active in all three instances, displaying the visual representation of the dialog components.

```
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="10dp">
<EditText
    android:id="@+id/dialogNameEt"
    android:hint="Enter Name"
    android:inputType="textPersonName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />
<EditText
    android:id="@+id/dialogEmailEt"
    android:hint="Enter Email"
    android:inputType="textEmailAddress"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />
<EditText
    android:id="@+id/dialogPasswEt"
    android:layout_width="match_parent"
    android:layout_height="wrap_content" />
```

```
        android:layout_height="wrap_content"
        android:hint="Enter phone number"
        android:inputType="phone" />
```

```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:gravity="center">
<Button
    android:id="@+id/dialogLoginBtn"
    style="@style/Base.Widget.AppCompat.Button.Colored"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="OK"
    android:textColor="#FFFFFF"
    app:backgroundTint="#DC0000" />
<Button
    android:id="@+id/dialogCancelBtn"
    style="@style/Base.Widget.AppCompat.Button.Colored"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
```

```
        android:id="@+id/dialogCancelBtn"
        style="@style/Base.Widget.AppCompat.Button.Colored"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Cancel"
        app:backgroundTint="#DC0000" />
```