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KIRISH

Hozirda Kompyuter va axborot texnologiyalari jadal sur’atlar bilan yangilanib, rivojlanishi bilan birga kundalik turmushimizning asosiga aylanib bormoqda.

Hozirgi kunda zamоnaviy talablarni hisоbga оlgan hоlda ma`lumоtlar tarmоg’ini tashkil qilishni takоmillashtirish, o`sib kelayotgan yosh avlоdning intellektual ehtiyojlarini qоndirishga, madaniy, ma`naviy-axlоqiy qadriyatlarni saqlab qоlishga yo`naltirilgan printsipial yangi axbоrоt markazlarini barpо etish, shuningdek, ahоlini yanada kengrоq va tizimli axbоrоt bilam ta`minlash uchun zarur shart-sharоitlar yaratish maqsadida O`zbekistоn Respublikasida ta`lim sоhasida quyidagilarni amalga оshirish ko`zda tutilgan:

* ta`lim muassasalari o`quvchilari hamda axоlining zamоnaviy axbоrоt texnоlоgiyalaridan fоydalangan hоlda muntazam ta`lim оlishi va mustaqil ravishda ta`lim оlishiga ko`maklashish;
* yangi axbоrоt texnоlоgiyalari
* asоsida ahоliga axbоrоt xizmati ko`rsatish;
* madaniy, ta`lim, axbоrоt hamda bоshqa dastur va lоyihalarni birgalikda amalga оshirish uchun ta`lim muassasalari, mahalliy o`zini o`zi bоshqarish о`rganlari, milliy madaniyat markazlari bilan xamkоrlikni rivоjlantirish.
* Respublikamizda ta`lim tizimida tub islоhatlar оlib bоrilmоqda. Shulardan yana biri masоfadan turib o`qitish sistemasining jоriy qilinishi. Bunda Respublikamiz оliygоhlarida malakali prоfessоrlarning ma`ruzalarini tinglash, bevоsita muloqat o`rnatish mumkin.
* Masоfaviy ta`lim sistemasining ishlab chiqilishi keyingi yillarda ta`lim xizmatiga bo`lgan talabning keskin o`sishi tufayli hamda uning ijtimоiy ahamiyatiga asоslangan hоlda sоdir bo`ladi. O`zbekistоnda yagоna masоfaviy ta`lim sistemasining tashkil etilishi va faоliyat ko`rsatishi Respublikamizda zarur bo`lgan kadrlar, pedagоgik, ilmiy texnik va ilmiy metоdik pоtentsiallarning mavjudligi tufayli bo`lsa kerak. Bundan tashqari masоfaviy ta`limning yangi texnоlоgiyalari haqida ko`plab tajriba yig`ilgan va ko`plab ishlar amalga оshirilgan.
* Ta`lim sоhasida elektrоn darslik va qo`llanmalarni yaratish uchun quyidagi muxim masalalarni hal qilish kerak bo`ladi.
* Internet texnоlоgiyasi bilan tanishib chiqish ;
* prоgramma vоsitalarini o`rganish, masalan Mobil ilovalarni yaratish va qayta ishlash bo`yicha;
* Mobil ilovalarda har-xil infоrmatsiyalarni tasvirlash uchun usullar va imkоniyatlarni o`rganish va qo`llash;
* Mobil ilovalarni yaratish va qayta ishlashga dоir tavsiyalar va asоsiy qоidalar bilan tanishib chiqish;
* Mobil ilovani strukturasini aniqlash;
* Mobil ilovani qayta ishlash va yaratish uchun maqsadni tanlash;
* Mobil ilovalarni o`qish vоsitalari .

Java, Kotlin, XML va bоshqa prоgramma vоsitalari yordamida tayyorlangan Mobil ilovalarda fоydalanuvchiga tushunarli ko`rinishda tasvirlash uchun maxsus prоgrammalar ishlab chiqilgan bo`lib, bunday prоgrammalar Mobil Operatsion Tizimlar deb ataladi. Hоzirda bir necha shunday prоgrammalar ishlab chiqilgan bo`lib, ular tabiiy ravishda hujjatlarni ko`rishni turlicha tahrir qiladilar. Bular оrasida keng tarqalgan Android, IOS, MKicrosoft prоgrammalaridir. Shunday qilib, Operatsion Tizimlarning asоsiy vazifasi mobil ilovani telefonga o’rnatish va uni fоydalanuvchiga tushunarli ko`rinishda mоnitоr ekranida ko`rsatib berishdir.

# I.Tizimli tahlil

## 1.1 Mobil ilovalarni yaratish usul va texnologiyalari

## 

Android operatsion tizimi Google kompaniyasi tomonidan yaratilgan mobil

OS hisoblanadi. Bu tizim Linux kernel ning modifikatsiyalangan versiyasi asosida

qurilgan bo’lib, asosan touchscreen ya’ni sensorli ekranda boshqarish uchun ishlab

chiqilgan. Masalan smartfonlar, planshetlar, aqlli soatlar va hokazo. Shuningdek,

Google korporatsiyasi, Android tizimini Android TV lar, Android Auto

avtomobillari, Wear OS soatlar va boshqa shu kabi qurilmalar uchun

moslashtirilgan interfeysga ega tizim versiyalarini yaratib kelmoqda. Android turli

xil variantlari o’yin konsollari, raqamli video kameralar, kompyuterlar va boshqa

elektron qurilmalar uchun ham mavjud.

Dastlab, ushbu operatsion tizim Android Inc. firmasi tomonidan yaratilgan

bo’lib, so’ngra uni Google 2005-yilda sotib olgan. Birinchi marta Android 2007-yil

ommaga taqdim qilindi va 2008-yil sentyabr oyida birinchi kommersial Android

qurilma sotuvga chiqarildi. Hozirgi vaqtgacha tizimning ko’plab relizlari ishlab

chiqildi, joriy versiya esa 9 “Pie” 2018-yil avgust oyida paydo bo’ldi. Birinchi

marotaba 2019-yil 13-mart kuni Google Androidning “Android Q beta” sinov

(beta) versiyasi relizini o’zining Pixel smartfonlarida o’rnatishni boshladi.

Android tizimining yadrosi AOSP (Android Open Source Project) bilan mashxur

va Apache License siga ega.

Shu bilan birga Android tizimi Google tomonidan yaratilgan xususiy

dasturiy to’plamga ega. Ular Google Mobile Services (GMS) deb nomlanadi. Bu

paket dasturlar to’plami juda ko’p qurilmalarga o’rnatilgan bo’lib, Google Chrome

web brouzeri, Google Search qidiruv ilovasi, Gmail pochta ilovasi va shuningdek

ilovalar do’koni va raqamli distributiv platforma Google Play ni o’z ichida oladi.

Android 2011-yildan beri dunyoda eng yaxshi sotiladigan smartfonlar va

2013-yildan boshlab eng ko’p sotilgan planshetlar operatsion tizimi hisoblanadi.

2017-yil may oyiga ko’ra oylik aktiv foydalanuvchilar soni ikki mlrd. dan ziyod

operatsion tizim va 2018-yil dekabr oyidan Google Play ilovalar do’konida 2.6

milliondan ortiq ilovalar dasturchilar tomonidan joylashtirilgan.

Tizim interfeysi asosi to’g’ridan-to’g’ri boshqaruv (direct manipulation)

asosida tegish harakatlaridan (touch actions) foydalangan holda, real harakatlarni

amalgan oshirish imkonini beradi. Masalan, surish, chertish, tegish, ushlab turish

orqali obyektlarni boshqarish, virtual klaviatura va shu kabilarni o’ch ichiga oladi.

Boshqaruv interfeysi foydalanuvchiga tez javob qaytarish va bazi hollarda

tebranish orqali foydalanuvchiga boshqaruv haqida xabar berish imkoniyatiga ega.

Ichki qurilmalar, yani accelerometer lar, gidroskoplar, yaqinlik sensorlari va

boshqa ko’plab datchiklar foydalanuvchi harakatlariga javob qaytarish uchun bazi

ilovalar tomonidan ishlatiladi. Masalan, displeyning portrait yoki lanscape

rejimlarini to’g’irlash yoki o’yinlarda obyektning harakatlarini boshqarish va

boshqalar. Ekranning pastki qismida navigatsiya paneli, yuqorida status bar

joylashgan. Status barda vaqt, quvvat, telefon signallari va ilovalar

bildirishnomalari haqida indicator ko’rinishida namoyon bo’ladi.

Ilovalar qurilma imkoniyatlarini kengaytiradi, ular Android Software

Development Kit (SKD) va Java dasturlash tili yordamida yoziladi. Shuningdek

tizim Go dasturlash tilini ham qo’llab-quvvatlaydi, garchi ilovalar interfeyslariga

cheklovlar qo’yilgan bo’lsa ham. 2017-yil may oyida Google Android ilovalarni

ishlab chiqish uchun Kotlin dasturlash tilini qo’llab-quvvatlashini e`lon qildi/

**Android Studio**

Android Studio JetBrains ning IntelliJ IDEA dasturiy loyihasi bo’lib, Google

ning Android operatsion tizimi uchun dasturiy taminot yaratish uchun

mo’ljallangan rasmiy IDE (Integrated Development Environment) si hisoblanadi.

Ushbu dasturlash muhiti macOs, Windows va Linux operatsion tizimlari uchun

mo’ljallangan versiyalari mavjud. Android uchun avvalgi nativ dasturiy muhit

Eclipse Android Development Tools (ADT) o’rnini xozirgi kunga kelib aynan

Android Studio egallagan.

Android Studio 2013-yil, 16-mayda Google I/O konferensiyasida e`lon

qilingan. Eng birinchi versiyasi 0.1 dan boshlangan va 2014-yil iyunda 0.8-beta

versiyasi chiqarilgan. Muqobil 1.0 versiyasi 2014-yil dekabr oyida taqdim

qilingan.

Xususiyatlari

• Gradle-based qurishni qo’llab-quvvatlash

• Android-maxsus kodni refaktrolash va tuzatish

• Lint-tools unumdorlikni oshirish, barqarorlashtirish, versiyalar nazorati va

boshqa muammolarni yechish

• ProGuard integratsiyasi va ilovani (app-signing) identifikatsiya qilish

• Template-based umumiy Android dizaynlarni va komponentlarni yaratish

• Drag and drop orqali komponentlarni boshqarish imkoniga ega bo’lgan va

ko’p ekranlarda ilovaning ko’rinishini ko’rish qobiliyatiga ega layout

tahrirlovchi.

• Android Wear uchun ilovalarni yaratishni qo’llab-quvvatlash

• Google Could Platform uchun qurishni qo’llab-quvvatlash, Firebase Could

Messaging va Google App Engine larni integratsiya qilish imkoniyati

• Android Virtual Device (AVD Emulator) ilovalarni virtual debug qilish

Android Studio IntelliJ ning deyarli barcha dasturlash tillarida ishlay oladi.

Masalan, Java, C++ va boshqa kengaytirilgan tillar, Go kabilar. Android

ning 3.0 versiyasidan boshlab Kotlin dasturlash tili kiritildi. Shuningdek,

Java 7, Java 8 va Java 9 ning bazi xususiyatlaridan foydalanadi.

Java

Java dasturlash tili yuqori darajali obyektga yo’naltirilgan til bo’lib, asosini

klasslar tashkil etadi. Ba’zan uni klasslar tili deb ham atashadi. Dasturchilar

orasida “bir marta yoz, hamma joyda ishga tushir (write once, run anywhere -

WORA)” iborasi mavjud. Chunki, Javada yozilgan kod barcha qurilmalarda va

platformalarda ishlay oladi. Odatda, Java kodlarini Java Virtual Mashina (JVM)

baytkodga aylantiradi va ishga tushiradi. Java dasturlash tilining sintaksisi C va

C++ dasturlash tillariga juda o’xshashdir. 2018-yildan boshlab Java GitHub

platformasida eng ko’p foydalaniladigan tillardan biri hisoblanadi. Xususan, clientserver web ilovalarda 9 milliondan ortiq dasturchilar aynan Java dasturlash tilidan

foydalanadi.

Java James Gosling tomonidan Sun Microsystems (hozirda Oracle)

kompaniyasida yaratilgan. 1995-yilda ilk relizi Sun Microsystems ning

komponenti sifatida Java Platform nomi bilan taqdim qilingan.

Eng oxirgi Java SE 12 versiyasi 2019-yil mart oyida chiqarildi.

Yaratilish prinsplari:

1. U sodda, qulay va obyetga yo’naltirilgan bo’lishi kerak

2. U mustahkam va xafsiz bo’lishi kerak

3. U betaraf yani arxitektura yoki qurilma saylamasligi kerak

4. U yuqori samaradorlik ega bo’lgan holda ishlashi kerak

5. U interpretatsiyalangan, oqimlarni bilan ishlovchi va dinamik bo’lishi

kerak.

Nashrlari (Editions):

1. Java Card - smart kartalar uchun

2. Java Platform, Micro Edition (Java ME) – cheklangan resursli muhitlar

uchun

3. Java Platform, Standart Edition (Java SE) – ishchi muhitlari uchun

4. Java Platform, Enterprise Edition (Java EE) – keng distributivli korxona

yoki internet muhitlari uchun

.

## 1.2 Masalaning qo‘yilishi

Hozirda har bir odam o’ziing salomatligi yuzasidan qayg’uradi, Ayollarda uchrab tradigan ba’zi kasalliklarni aniqlash va unga to’g’ri tashxis qo’yish muhim. Bizning hozirdagi maqsadimiz shu jarayonlarni avtomatlashtirishdir. Bemor kerakli bo’lgan testdan o’tadi va o’zidagi simptomlarni belgilaydi, dastur hamma natijalarni tahlil qilib, bemorga tashxis qo’yib beradi.

**Ushbu kurs ishi esa “Medical Support” mobil ilovasini yaratishga mo'ljallangan bo'lib, mobil ilova tuzish jarayonida quyidagi ishlar amalga oshirilishi lozim:**

- Ilovadan ro’yxatdan o’tish;

- Telefon raqamni tasdiqlash;

- Har bir foydalanuvchi, testlarni yecha olish imkoniyati;

- Test natijalariga qarab tashxis chiqarish.

- Tashxisga mos dori-darmonlarni taklif etish

# II.Asosiy qism.

## 2.1 Mobil ilova yaratish uchun dasturlash muhitini sozlash

Mobil ilova yaratish uchun dasturlash muhitini sozlash uchun quyidagi qadamlarni o'tkazishingiz mumkin:

1. Java JDK (Java Development Kit) o'rnatish: Mobil ilovalarni Android platformasi uchun yaratish uchun Java tilidan foydalaniladi. Ushbu uchun avvalo Java JDKni o'rnatishingiz kerak. JDK, Java tilining barcha loyihalarni ishlab chiqish uchun zarur asosiy vositalarni o'z ichiga oladi.

2. Android Studio o'rnatish: Android ilovalarini yaratish uchun o'zgaruvchilar va kutubxonalardan tashkil topgan Android Studio dasturi talab qilinadi. Bu dastur, Android ilovalarini yaratish uchun muhim vositalarni o'z ichiga oladi, tashqi emulyatorlarni, kod muharriri va interfeys yaratish vositalarini o'z ichiga oladi.

3. SDK (Software Development Kit) yuklash: Android Studio orqali yaratilgan ilovalarni ishga tushirish uchun Android platformasining to'g'ridan-to'g'ri kodni bajargan qismini, ya'ni SDK-ni yuklash kerak. Android Studio o'rnatilganda, SDK manager avtomatik ravishda ishga tushadi, ammo kerakli versiyalarni qo'shish yoki yangilash uchun qo'shimcha sozlashlar kerak bo'lishi mumkin.

4. Emulyator yoki qurilmali asbobni sozlash: Android ilovalarini ishga tushirish uchun dasturini tekshirish va ilovani boshqa qurilmalar ustida ishlatish uchun Android Studio orqali emulyator yoki qurilmali asbobni sozlash kerak. Emulyator yoki qurilmali asbob, ilovani o'zining to'g'ri-kodida bajarish imkonini beradi va interfeysni tekshirishga imkoniyat yaratadi.

5. Kotlin yoki Java tilini tanlash: Android ilovalarini yaratish uchun Kotlin va Java tillaridan foydalanish mumkin. Kotlin, Android Studio tomonidan samarali qo'llab-quvvatlanadi va sodda sintaksisga ega bo'lib, Java bilan moslashuvchan. Java esa Android platformasining asosiy dasturlash tili hisoblanadi. Siz tanlagan tilga qarab dasturlashni davom ettirishingiz kerak.

Dasturlash muhitini sozlash uchun ushbu qadamlarni bajaring va Android ilovalarini yaratishni boshlang. Bu muhit, Android platformasiga moslangan ilovalarni ishlab chiqish va ulardan foydalanish uchun kerakli asosiy vositalarni taqdim etadi.

## 2.2 Java haqida ma’lumot.

**Java dasturlash tili tarixi:**

Java dasturlash tili 1991-yilning oxiri va 1992-yilning boshida James Gosling, Patrick Naughton, Ed Frank, Chris Warth va Mike Sheridan tomonidan ishlab chiqildi. Ushbu tilda "Oak" nomi bilan boshlangan va keyinchalik "Java" deb nomlandirildi. Oak asosan elektronik qurilmalar uchun dasturlash tili sifatida rejalashtirilgan edi, lekin uni Internet va veb dasturlari uchun ham samarali ekanligi kuzatildi.

Java tili strukturasi:

Java dasturlash tili asosan klasslarga asoslangan obyektoriyatliligi yuqori dasturlash tilidir. Obyektlar obyektoriyatli dasturlash paradigmasi bo'yicha ma'lumot va funksiyalarni birlashtiradi. Java tilida barcha dasturlar obyektlar hisoblanadi va barcha obyektlar klasslar orqali yaratiladi.

Java tilida dasturlash quyidagi strukturaga ega:

1. Klasslar: Java dasturlari klasslar yordamida yaratiladi. Klass, ma'lumotlarni saqlash uchun o'z ichiga olgan maydonlar (maydonlar) va boshqa klasslarga oid metodlar (funksiyalar) bilan xarakterizlanadi.

2. Metodlar: Metodlar, klasslarga oid funksiyalardir. Metodlar, belgilangan vazifalarni bajarish uchun dasturlar yozishda ishlatiladi. Java tilida metodlar obyektga oid bo'lishi mumkin (obyektlarga oid metodlar) yoki klassga oid bo'lishi mumkin (statik metodlar).

3. Obyekt ma'lumotlari: Java tilida obyektlar ma'lumotlarni saqlash uchun ishlatiladi. Har bir obyekt klassdan yaratiladi va o'ziga xos xususiyatlarga (maydonlar) va metodlarga (funksiyalar) ega bo'ladi. Obyektlar orqali ma'lumotlarga murojaat qilish va ularni boshqarish mumkin.

4. Paketlar: Java tilida dasturlar funktsional ko'rsatmalarni tartiblash uchun paketlarga bo'linadi. Paketlar bir nechta klasslarni o'z ichiga oladi va bularni tashkil etish, boshqarish va o'zaro aloqalarini aniqlash uchun foydalaniladi.

Java tilida dasturlash misoli:

Quyidagi misol Java tilida "Hello, World!" deb yozilgan dasturni ko'rsatadi:

```java

public class HelloWorld {

public static void main(String[] args) {

System.out.println("Hello, World!");

}

}

```

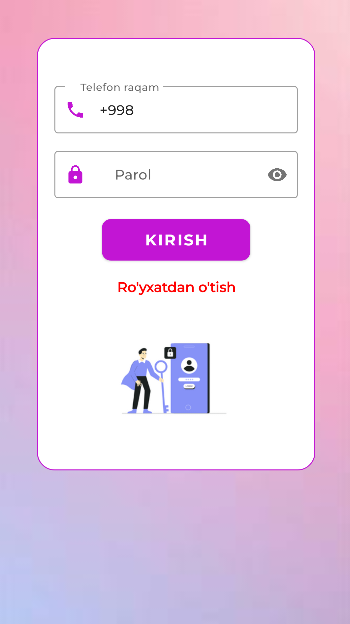
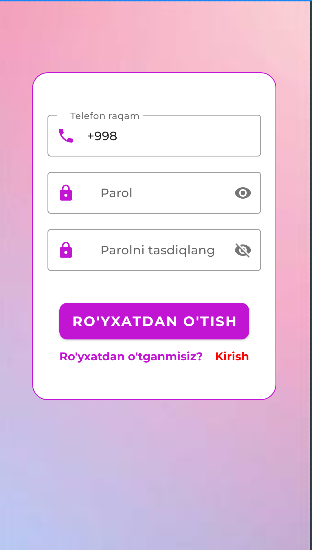
Ushbu kod klassni (`HelloWorld`) va unga oid main` metodini o'z ichiga oladi. `main` metodi dasturning boshqacha ochilish nuqtasidir va dasturni boshqarishga xizmat qiladi. U `System.out.println` bilan "Hello, World!" satrini ekranga chiqaradi.

Ushbu kod dasturini bajarish uchun Java tili o'rnatilgan bo'lishi kerak va bajarilishi uchun dasturni run qilish kerak.

## 2.3 Foydalanuvchi uchun yo‘riqnoma

Dasturdan tfoydalanish uchun oldin ro’yxatdan o’tish lozim.

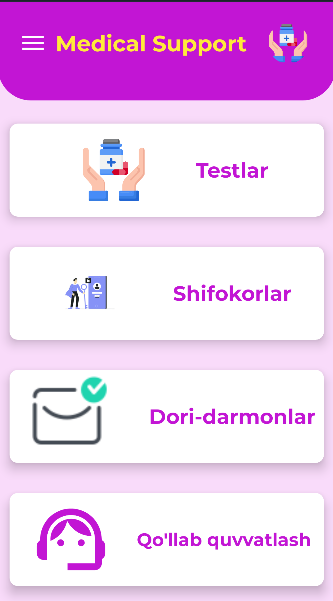
Agar ro’yxatdan o’tgan bo’lsangiz Kirish bo’limi orqali dasturga kirishingiz mumkin

****

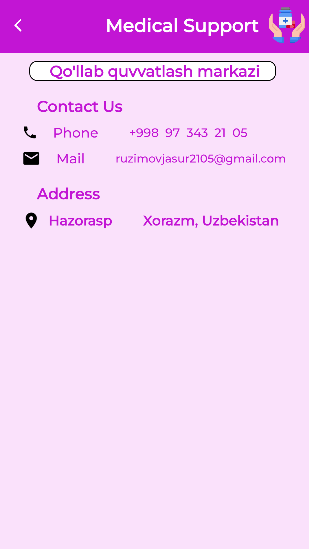
Ro’yxatdan o’tishda telefon raqamni tasdiqlash kerak bo’ladi, telefon raqamingizga kelgan 5 xonali raqamli kodni kiritish orqali siz ro’yxatdan o’tishingiz mumkin.



Asosiy sahifaning ko’rinishi shunday bo’ladi, kerakli bo’limlarni tanlab dasturdan foydalanishingiz mumkin.



Dasturda mijozlarni savollariga javob berish uchun qo’llab quvvtlash markazi ham bor.



# Xulosa

Men quyidagilarni o’rgandim:

1. Mobil ilova dizayni: Medical Support ilovasining dizayn qismini Android Studio da XML da yozdim, dizayn yaratishda ko’pgina komponentalar bilan ishladim, Ilovadagi Ro’yxatdan o’tish va Kirish oynalari va SMS ni tasdiqlah oynasi, SplashScreen, Navigation menular, Asodiy sahifalar va qo’shimcha oynalar dizaynini tayyorladim.

2. API integratsiyasi: MedicalSupport tizimining Backend API-si orqali avtorizatsiyada SMS kod olish uchun, telefon raqamni tasdiqash uchun, va testlar yechish, API-ni olish uchun Javaning HTTP klientlaridan, `Retrofit `dan foydalandim . API-dan ma'lumotlarni olish va ularni Java tizimida yoqilgan modellarga yuklash uchun to'g'ri so'rovlar va ma'lumotlar strukturasi kerak bo'ladi.

# Foydalanilgan adabiyotlar

Internet resurslari

<https://square.github.io/retrofit/>

<https://habr.com/ru/articles/314028/>

<https://www.youtube.com/>

<https://stackoverflow.com/>

[Bing AI - Search](https://www.bing.com/search?q=Bing+AI&showconv=1&FORM=hpcodx)

<https://chat.openai.com/>

# Ilova

**AboutUs\_activity.java fayli**

*package* uz.jasurbekruzimov.medicalsupport;  
  
*import* android.annotation.SuppressLint;  
*import* android.content.Intent;  
*import* android.net.Uri;  
*import* android.os.Bundle;  
*import* android.widget.LinearLayout;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*public class* AboutUs\_activity *extends* AppCompatActivity {  
 LinearLayout backHome;  
 LinearLayout gitHub;  
 LinearLayout telegram;  
 LinearLayout instagram;  
 LinearLayout linkedIn;  
 LinearLayout youtube;  
 LinearLayout twitter;  
 LinearLayout webSite;  
  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_about\_us***);  
  
 backHome = findViewById(R.id.***backHome***);  
 backHome.setOnClickListener(v -> {  
 finish();  
 });  
  
 gitHub = findViewById(R.id.***gitHub***);  
 gitHub.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://github.com/JasurbekRuzimov"));  
 startActivity(intent);  
 });  
  
 telegram = findViewById(R.id.***telegram***);  
 telegram.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://t.me/Ruzimov\_blogs"));  
 startActivity(intent);  
 });  
  
 instagram = findViewById(R.id.***instagram***);  
 instagram.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://www.instagram.com/ruzimov\_01/"));  
 startActivity(intent);  
 });  
  
 linkedIn = findViewById(R.id.***linkedIn***);  
 linkedIn.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://www.linkedin.com/in/jasurbek-ruzimov-b19234213/"));  
 startActivity(intent);  
 });  
  
 youtube = findViewById(R.id.***youTube***);  
 youtube.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://www.youtube.com/channel/UC\_bdw9nB0qDluzjW5BE6x7w"));  
 startActivity(intent);  
 });  
  
 twitter = findViewById(R.id.***twitter***);  
 twitter.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://twitter.com/RuzimovJasurbek"));  
 startActivity(intent);  
 });  
  
 webSite= findViewById(R.id.***WebSites***);  
 webSite.setOnClickListener(v -> {  
 Intent intent = *new* Intent(Intent.***ACTION\_VIEW***, Uri.*parse*("https://jasurbekruzimov.uz"));  
 startActivity(intent);  
 });  
  
  
 }  
}

**SignUp.java**

*package* uz.jasurbekruzimov.medicalsupport;  
  
*import* androidx.annotation.NonNull;  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.annotation.SuppressLint;  
*import* android.content.Intent;  
*import* android.os.Bundle;  
*import* android.widget.Button;  
*import* android.widget.TextView;  
*import* android.widget.Toast;  
  
*import* com.google.android.material.textfield.TextInputEditText;  
  
*import* java.util.Objects;  
  
*import* retrofit2.*Call*;  
*import* retrofit2.*Callback*;  
*import* retrofit2.Response;  
*import* retrofit2.Retrofit;  
*import* retrofit2.converter.gson.GsonConverterFactory;  
*import* uz.jasurbekruzimov.medicalsupport.api.*ApiInterface*;  
  
  
*public class* SignUp *extends* AppCompatActivity {  
  
 TextInputEditText phone, password, confirmPassword;  
 TextView signIn, signIn1;  
 Button signUpBtn;  
 *private ApiInterface* apiInterface;  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_sign\_up***);  
  
 phone = findViewById(R.id.***phoneEditTexId***);  
 password = findViewById(R.id.***passwordEditTextId***);  
 confirmPassword = findViewById(R.id.***confirmPasswordEditTextId***);  
 signIn = findViewById(R.id.***alreadyHaveAnAccount***);  
 signIn1 = findViewById(R.id.***alreadyHaveAnAccount1***);  
 signUpBtn = findViewById(R.id.***signUpBtn***);  
  
  
 signIn.setOnClickListener(v -> {  
 Intent intent = *new* Intent(SignUp.*this*, SignIn.*class*);  
 startActivity(intent);  
 });  
 signIn1.setOnClickListener(v -> {  
 Intent intent = *new* Intent(SignUp.*this*, SignIn.*class*);  
 startActivity(intent);  
 });  
  
  
 signUpBtn.setOnClickListener(v -> {  
 *if* (Objects.*requireNonNull*(phone.getText()).toString().trim().isEmpty() || phone.getText().toString().trim().length() < 13) {  
 phone.setError("Telefon raqam kiriting");  
 } *else if* (Objects.*requireNonNull*(password.getText()).toString().trim().isEmpty() || password.getText().toString().trim().length() < 6) {  
 password.setError("Parolni kiriting");  
 } *else if* (Objects.*requireNonNull*(confirmPassword.getText()).toString().trim().isEmpty() || confirmPassword.getText().toString().trim().length() < 6) {  
 confirmPassword.setError("Parolni tasdiqlang");  
 } *else if* (!Objects.*requireNonNull*(password.getText()).toString().equals(confirmPassword.getText().toString().trim())) {  
 confirmPassword.setError("Parol mos kelmadi");  
 }  
 *else* {  
 Intent intent = *new* Intent(SignUp.*this*, VerifySMS\_Code.*class*);  
 startActivity(intent);  
 }  
 Retrofit retrofit = *new* Retrofit.Builder()  
 .baseUrl("http://google.com")  
 .addConverterFactory(GsonConverterFactory.*create*())  
 .build();  
  
  
 *ApiInterface*.SignUpResponse signUpResponse = *new ApiInterface*.SignUpResponse();  
 signUpResponse.setSuccess(*true*);  
 signUpResponse.setMessage("Muvaffaqiyatli ro'yxatdan o'tdingiz");  
  
 *Call*<*ApiInterface*.SignUpResponse> call = (*Call*<*ApiInterface*.SignUpResponse>) retrofit.create(*ApiInterface*.SignUpResponse.*class*);  
  
 call.enqueue(*new* Callback<*ApiInterface*.SignUpResponse>() {  
 @Override  
 *public void* onResponse(@NonNull *Call*<*ApiInterface*.SignUpResponse> call, @NonNull Response<*ApiInterface*.SignUpResponse> response) {  
  
 *if* (response.isSuccessful()) {  
 *ApiInterface*.SignUpResponse signUpResponse = response.body();  
 *assert* signUpResponse != *null*;  
 *boolean* success = signUpResponse.isSuccess();  
 String message = signUpResponse.getMessage();  
  
  
 *if* (success) {  
 Intent intent = *new* Intent(SignUp.*this*, VerifySMS\_Code.*class*);  
 intent.putExtra("phone", phone.getText().toString());  
 startActivity(intent);  
 finish();  
 } *else* {  
 Toast.*makeText*(SignUp.*this*, message, Toast.***LENGTH\_SHORT***).show();  
 }  
  
 } *else* {  
 Toast.*makeText*(SignUp.*this*, "Server bilan bog'lanishda xatolik", Toast.***LENGTH\_SHORT***).show();  
 }  
  
 }  
  
 @Override  
 *public void* onFailure(@NonNull *Call*<*ApiInterface*.SignUpResponse> call, Throwable t) {  
  
 Toast.*makeText*(SignUp.*this*, t.getMessage(), Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
  
  
 });  
  
  
 }  
}

**VerifySMS\_Code.java**

*package* uz.jasurbekruzimov.medicalsupport;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.annotation.SuppressLint;  
*import* android.content.Intent;  
*import* android.os.Bundle;  
*import* android.text.*Editable*;  
*import* android.text.*TextWatcher*;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.ImageView;  
*import* android.widget.LinearLayout;  
*import* android.widget.TextView;  
*import* android.widget.Toast;  
  
*import* retrofit2.*Call*;  
*import* retrofit2.*Callback*;  
*import* retrofit2.Response;  
*import* retrofit2.Retrofit;  
*import* retrofit2.converter.gson.GsonConverterFactory;  
*import* uz.jasurbekruzimov.medicalsupport.api.*ApiInterface*;  
  
*public class* VerifySMS\_Code *extends* AppCompatActivity {  
 ImageView back;  
 EditText smsCode1 , smsCode2 , smsCode3 , smsCode4 , smsCode5 ;  
 LinearLayout resendCode;  
 Button verifyButton;  
  
  
 *private* String phone;  
 *private* Retrofit retrofit;  
 *private ApiInterface* apiInterface;  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_verify\_sms\_code***);  
  
  
 TextView numberPhone = findViewById(R.id.***numberMobile***);  
*// numberPhone.setText(String.format(  
// "+998 %s", getIntent().getStringExtra("phone")  
// ));* smsCode1 = findViewById(R.id.***firstNumberId1***);  
 smsCode2 = findViewById(R.id.***secondNumberId2***);  
 smsCode3 = findViewById(R.id.***thirdNumberId3***);  
 smsCode4 = findViewById(R.id.***fourthNumberId4***);  
 smsCode5 = findViewById(R.id.***fifthNumberId5***);  
  
 *//Retrofit obyektini yaratish va API interfeysini olish* retrofit = *new* Retrofit.Builder()  
 .baseUrl("https://example.com/api/")  
 .addConverterFactory(GsonConverterFactory.*create*())  
 .build();  
  
 apiInterface = retrofit.create(*ApiInterface*.*class*);  
  
  
  
 setupCodeInputs();  
  
  
 verifyButton = findViewById(R.id.***VerifySMSCodeId***);  
  
 verifyButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
 *//SMS kodini olish* String code = smsCode1.getText().toString().trim() +  
 smsCode2.getText().toString().trim() +  
 smsCode3.getText().toString().trim() +  
 smsCode4.getText().toString().trim() +  
 smsCode5.getText().toString().trim();  
  
 *//SMS kodini tekshirish, agar bo'sh bo'lsa xabar chiqarish  
  
 if* (smsCode1.getText().toString().isEmpty()){  
 smsCode1.setError("");  
 }  
 *if* (smsCode2.getText().toString().trim().isEmpty()){  
 smsCode2.setError("");  
 }  
 *if* (smsCode3.getText().toString().isEmpty()){  
 smsCode3.setError("");  
 }  
 *if* (smsCode4.getText().toString().isEmpty()){  
 smsCode4.setError("");  
 }  
 *if* (smsCode5.getText().toString().isEmpty()){  
 smsCode5.setError("");  
 }  
  
  
 *//Serverga so'rov yuborish uchun Call obyektini yaratish  
 Call*<*ApiInterface*.VerifyResponse> call = apiInterface.verify(phone, code);  
  
 *//So'rovni asinxron tarzda bajarish va javobni qabul qilish* call.enqueue(*new* Callback<*ApiInterface*.VerifyResponse>() {  
 @Override  
 *public void* onResponse(*Call*<*ApiInterface*.VerifyResponse> call, Response<*ApiInterface*.VerifyResponse> response) {  
 *//Javob muvaffaqiyatli bo'lsa, VerifyResponse obyektini olish  
 if* (response.isSuccessful()) {  
 *ApiInterface*.VerifyResponse verifyResponse = response.body();  
  
 *//VerifyResponse obyektidan muvaffaqiyatli bo'lganligi va xabarini olish  
 boolean* success = verifyResponse.isSuccess();  
 String message = verifyResponse.getMessage();  
  
 *//Agar muvaffaqiyatli bo'lsa, ilovaga kirish uchun yangi oyna ochish  
 if* (success) {  
 *//Yangi oynaga o'tish uchun Intent yaratish* Intent intent = *new* Intent(VerifySMS\_Code.*this*, MainActivity.*class*);  
  
 *//Yangi oynani boshlash* startActivity(intent);  
  
 *//Joriy oynani tugatish* finish();  
 }  
  
 *//Agar muvaffaqiyatsiz bo'lsa, xabar chiqarish  
 else* {  
 Toast.*makeText*(VerifySMS\_Code.*this*, message, Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
  
 *//Javob muvaffaqiyatsiz bo'lsa, xatolik chiqarish  
 else* {  
 Toast.*makeText*(VerifySMS\_Code.*this*, "Xatolik yuz berdi", Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
  
 @Override  
 *public void* onFailure(*Call*<*ApiInterface*.VerifyResponse> call, Throwable t) {  
 *//So'rovda xatolik bo'lsa, xatolik chiqarish* Toast.*makeText*(VerifySMS\_Code.*this*, t.getMessage(), Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 }  
 });  
  
  
 back = findViewById(R.id.***backId***);  
 back.setOnClickListener(v -> {  
 onBackPressed();  
 finishActivity(1);  
 });  
  
 resendCode = findViewById(R.id.***ResendSMSCodeId***);  
 resendCode.setOnClickListener(v -> {  
 onBackPressed();  
 });  
 }  
  
 *private void* setupCodeInputs(){  
 smsCode1.addTextChangedListener(*new* TextWatcher(){  
 @Override  
 *public void* beforeTextChanged(*CharSequence* s, *int* start, *int* count, *int* after) {  
 *if*(smsCode1.getText().toString().length() == 1){  
 smsCode2.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* onTextChanged(*CharSequence* s, *int* start, *int* before, *int* count) {  
 *if*(smsCode1.getText().toString().length() == 1){  
 smsCode2.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* afterTextChanged(*Editable* s) {}  
  
 });  
  
 smsCode2.addTextChangedListener(*new* TextWatcher(){  
 @Override  
 *public void* beforeTextChanged(*CharSequence* s, *int* start, *int* count, *int* after) {  
 *if*(smsCode2.getText().toString().length() == 1){  
 smsCode3.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* onTextChanged(*CharSequence* s, *int* start, *int* before, *int* count) {  
 *if*(smsCode2.getText().toString().length() == 1){  
 smsCode3.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* afterTextChanged(*Editable* s) {}  
  
 });  
  
 smsCode3.addTextChangedListener(*new* TextWatcher(){  
 @Override  
 *public void* beforeTextChanged(*CharSequence* s, *int* start, *int* count, *int* after) {  
 *if*(smsCode3.getText().toString().length() == 1){  
 smsCode4.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* onTextChanged(*CharSequence* s, *int* start, *int* before, *int* count) {  
 *if*(smsCode3.getText().toString().length() == 1){  
 smsCode4.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* afterTextChanged(*Editable* s) {}  
  
 });  
  
 smsCode4.addTextChangedListener(*new* TextWatcher(){  
 @Override  
 *public void* beforeTextChanged(*CharSequence* s, *int* start, *int* count, *int* after) {  
 *if*(smsCode4.getText().toString().length() == 1){  
 smsCode5.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* onTextChanged(*CharSequence* s, *int* start, *int* before, *int* count) {  
 *if*(smsCode4.getText().toString().length() == 1){  
 smsCode5.requestFocus();  
 }  
 }  
  
 @Override  
 *public void* afterTextChanged(*Editable* s) {}  
  
 });  
 }  
  
}

**UserModel.java**

*package* uz.jasurbekruzimov.medicalsupport;  
  
*import* androidx.annotation.NonNull;  
  
*public class* UserModel {  
 String name, phone, password;  
  
 *public* UserModel(String name, String phone, String password) {  
 *this*.name = name;  
 *this*.phone = phone;  
 *this*.password = password;  
  
 }  
  
 *public* String getName() {  
 *return* name;  
 }  
  
 *public* String getPhone() {  
 *return* phone;  
 }  
  
 *public* String getPassword() {  
 *return* password;  
 }  
  
 *public void* setName(String name) {  
 *this*.name = name;  
 }  
  
 *public void* setPhone(String phone) {  
 *this*.phone = phone;  
 }  
  
 *public void* setPassword(String password) {  
 *this*.password = password;  
 }  
  
 @NonNull  
 @Override  
 *public* String toString() {  
 *return* "UserModel{" +  
 "name='" + name + '\'' +  
 ", phone='" + phone + '\'' +  
 ", password='" + password + '\'' +  
 '}';  
 }  
  
  
  
  
}

**ApiInterface.java**

*package* uz.jasurbekruzimov.medicalsupport.api;  
  
*import* retrofit2.*Call*;  
*import* retrofit2.Retrofit;  
*import* retrofit2.converter.gson.GsonConverterFactory;  
*import* retrofit2.http.Field;  
*import* retrofit2.http.FormUrlEncoded;  
*import* retrofit2.http.POST;  
*public interface ApiInterface* {  
 *//telefon raqam va parolni serverga yuborish uchun POST so'rov* @FormUrlEncoded  
 @POST("signup")  
 *Call*<SignUpResponse> signUp(@Field("phone") String phone, @Field("password") String password);  
  
 *//SMS kodini serverga yuborish uchun POST so'rov* @FormUrlEncoded  
 @POST("verify")  
 *Call*<VerifyResponse> verify(@Field("phone") String phone, @Field("code") String code);  
  
 *//SignUpResponse va VerifyResponse klasslari serverdan keladigan javoblar uchun modellar  
 public class* SignUpResponse {  
 *private boolean* success; *//ro'yxatdan o'tish muvaffaqiyatli bo'lsa true qiymat qaytaradi  
 private* String message; *//ro'yxatdan o'tish haqida xabar  
  
 //getter va setter metodlari  
 public boolean* isSuccess() {  
 *return* success;  
 }  
  
 *public void* setSuccess(*boolean* success) {  
 *this*.success = success;  
 }  
  
 *public* String getMessage() {  
 *return* message;  
 }  
  
 *public void* setMessage(String message) {  
 *this*.message = message;  
 }  
 }  
  
 *public class* VerifyResponse {  
 *private boolean* success; *//tasdiqlash muvaffaqiyatli bo'lsa true qiymat qaytaradi  
 private* String message; *//tasdiqlash haqida xabar  
  
 //getter va setter metodlari  
 public boolean* isSuccess() {  
 *return* success;  
 }  
  
 *public void* setSuccess(*boolean* success) {  
 *this*.success = success;  
 }  
  
 *public* String getMessage() {  
 *return* message;  
 }  
  
 *public void* setMessage(String message) {  
 *this*.message = message;  
 }  
 }  
}

**Activity\_SignUp**

<?*xml version*="1.0" *encoding*="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout *xmlns:android*="http://schemas.android.com/apk/res/android"  
 *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/bkg\_1"  
 *android:padding*="45dp"  
 *tools:context*=".SignUp">  
  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="430dp"  
 *android:layout\_marginTop*="50dp"  
 *android:layout\_marginBottom*="50dp"  
 *android:background*="@drawable/viewpager\_bkg"  
 *android:padding*="20dp"  
 *app:layout\_constraintBottom\_toBottomOf*="parent"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintHorizontal\_bias*="0.0"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toTopOf*="parent"  
 *app:layout\_constraintVertical\_bias*="0.0">  
  
  
 <com.google.android.material.textfield.TextInputLayout  
 *android:id*="@+id/phoneLayoutId"  
 *style*="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="30dp"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toTopOf*="parent"  
 *app:startIconDrawable*="@drawable/baseline\_phone\_24"  
 *app:startIconTint*="@color/primary"  
 *tools:ignore*="MissingConstraints">  
  
 <com.google.android.material.textfield.TextInputEditText  
 *android:id*="@+id/phoneEditTexId"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:hint*=" Telefon raqam"  
 *android:inputType*="phone"  
 *android:maxLength*="13"  
 *android:text*="+998"  
 *tools:ignore*="HardcodedText" />  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <com.google.android.material.textfield.TextInputLayout  
 *android:id*="@+id/passwordLayoutId"  
 *style*="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginTop*="15dp"  
 *app:endIconTint*="@color/primary"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/phoneLayoutId"  
 *app:passwordToggleEnabled*="true"  
 *app:startIconDrawable*="@drawable/baseline\_lock\_24"  
 *app:startIconTint*="@color/primary"  
 *tools:ignore*="MissingConstraints">  
  
  
 <com.google.android.material.textfield.TextInputEditText  
 *android:id*="@+id/passwordEditTextId"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:hint*=" Parol"  
 *android:inputType*="textPassword"  
 *tools:ignore*="HardcodedText" />  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <com.google.android.material.textfield.TextInputLayout  
 *android:id*="@+id/ConfirmPasswordLayoutId"  
 *style*="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="15dp"  
 *app:endIconTint*="@color/primary"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/passwordLayoutId"  
 *app:passwordToggleEnabled*="true"  
 *app:startIconDrawable*="@drawable/baseline\_lock\_24"  
 *app:startIconTint*="@color/primary"  
 *tools:ignore*="MissingConstraints">  
  
 <com.google.android.material.textfield.TextInputEditText  
 *android:id*="@+id/confirmPasswordEditTextId"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:hint*=" Parolni tasdiqlang"  
 *android:inputType*="textEmailAddress"  
 *tools:ignore*="HardcodedText" />  
  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <Button  
 *android:id*="@+id/signUpBtn"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginTop*="42dp"  
 *android:background*="@drawable/input\_rectangle\_background"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:text*="Ro'yxatdan o'tish"  
 *android:textColor*="@color/white"  
 *android:textSize*="18sp"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintHorizontal\_bias*="0.497"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/ConfirmPasswordLayoutId"  
 *tools:ignore*="HardcodedText,MissingConstraints" />  
  
 <TextView  
 *android:id*="@+id/alreadyHaveAnAccount"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:text*="Kirish"  
 *android:textColor*="@color/red"  
 *android:textSize*="15sp"  
 *app:layout\_constraintBottom\_toBottomOf*="@+id/alreadyHaveAnAccount1"  
 *app:layout\_constraintEnd\_toEndOf*="@+id/signUpBtn"  
 *app:layout\_constraintHorizontal\_bias*="1.0"  
 *app:layout\_constraintStart\_toEndOf*="@+id/alreadyHaveAnAccount1"  
 *app:layout\_constraintTop\_toTopOf*="@+id/alreadyHaveAnAccount1"  
 *tools:ignore*="HardcodedText,MissingConstraints" />  
  
 <TextView  
 *android:id*="@+id/alreadyHaveAnAccount1"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginTop*="12dp"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:text*="Ro'yxatdan o'tganmisiz? "  
 *android:textColor*="@color/primary"  
 *android:textSize*="15sp"  
 *app:layout\_constraintStart\_toStartOf*="@+id/signUpBtn"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/signUpBtn"  
 *tools:ignore*="HardcodedText,MissingConstraints" />  
  
  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_SignIn**

<?*xml version*="1.0" *encoding*="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout *xmlns:android*="http://schemas.android.com/apk/res/android"  
 *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:padding*="45dp"  
 *android:background*="@drawable/bkg\_1"  
 *tools:context*=".SignIn">  
  
 <androidx.constraintlayout.widget.ConstraintLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="500dp"  
 *android:layout\_marginBottom*="50dp"  
 *android:background*="@drawable/viewpager\_bkg"  
 *android:padding*="20dp"  
 *app:layout\_constraintBottom\_toBottomOf*="parent"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintHorizontal\_bias*="0.82"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toTopOf*="parent"  
 *app:layout\_constraintVertical\_bias*="0.0">  
  
 <com.google.android.material.textfield.TextInputLayout  
 *android:id*="@+id/phoneID"  
 *style*="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_marginTop*="30dp"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toTopOf*="parent"  
 *app:startIconDrawable*="@drawable/baseline\_phone\_24"  
 *app:startIconTint*="@color/primary"  
 *tools:ignore*="MissingConstraints">  
  
 <com.google.android.material.textfield.TextInputEditText  
 *android:id*="@+id/phoneLoginId"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="match\_parent"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:hint*=" Telefon raqam"  
 *android:inputType*="phone"  
 *android:maxLength*="13"  
 *android:text*="+998"  
 *tools:ignore*="HardcodedText" />  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <com.google.android.material.textfield.TextInputLayout  
 *android:id*="@+id/password"  
 *style*="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="60dp"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginTop*="15dp"  
 *app:endIconTint*="@color/primary"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/phoneID"  
 *app:passwordToggleEnabled*="true"  
 *app:startIconDrawable*="@drawable/baseline\_lock\_24"  
 *app:startIconTint*="@color/primary"  
 *tools:ignore*="MissingConstraints">  
  
  
 <com.google.android.material.textfield.TextInputEditText  
 *android:id*="@+id/passwordLoginId"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:hint*=" Parol"  
 *android:inputType*="textPassword"  
 *tools:ignore*="HardcodedText" />  
 </com.google.android.material.textfield.TextInputLayout>  
  
 <Button  
 *android:id*="@+id/signInBtn"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginTop*="24dp"  
 *android:background*="@drawable/input\_rectangle\_background"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:text*=" Kirish "  
 *android:textColor*="@color/white"  
 *android:textSize*="18sp"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/password"  
 *tools:ignore*="HardcodedText" />  
  
 <TextView  
 *android:id*="@+id/SingUpPage"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginTop*="20dp"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:text*="Ro'yxatdan o'tish"  
 *android:textColor*="@color/red"  
 *android:textSize*="16sp"  
 *android:textStyle*="bold"  
 *app:layout\_constraintEnd\_toEndOf*="@+id/signInBtn"  
 *app:layout\_constraintHorizontal\_bias*="0.515"  
 *app:layout\_constraintStart\_toStartOf*="@+id/signInBtn"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/signInBtn"  
 *tools:ignore*="HardcodedText" />  
  
 <ImageView  
 *android:id*="@+id/imageView"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="170dp"  
 *android:layout\_marginTop*="12dp"  
 *android:src*="@drawable/loginimg"  
 *app:layout\_constraintEnd\_toEndOf*="parent"  
 *app:layout\_constraintHorizontal\_bias*="0.487"  
 *app:layout\_constraintStart\_toStartOf*="parent"  
 *app:layout\_constraintTop\_toBottomOf*="@+id/SingUpPage" />  
  
  
 </androidx.constraintlayout.widget.ConstraintLayout>  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Activity\_VerifySMS\_Code**

<?*xml version*="1.0" *encoding*="utf-8"?>  
<ScrollView *xmlns:android*="http://schemas.android.com/apk/res/android"  
 *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:overScrollMode*="never"  
 *android:scrollbars*="none"  
 *android:background*="@color/pink"  
 *tools:context*=".VerifySMS\_Code">  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:orientation*="vertical"  
 *android:padding*="5dp">  
  
 <ImageView  
 *android:id*="@+id/backId"  
 *style*="@style/MaterialAlertDialog.Material3"  
 *android:layout\_width*="30dp"  
 *android:layout\_height*="25dp"  
 *android:layout\_gravity*="left"  
 *android:layout\_marginLeft*="20dp"  
 *android:layout\_marginTop*="30dp"  
 *android:defaultFocusHighlightEnabled*="true"  
 *android:src*="@drawable/baseline\_back\_24"  
 *tools:ignore*="ContentDescription,RtlHardcoded,UnusedAttribute" />  
  
 <ImageView  
 *android:layout\_width*="130dp"  
 *android:layout\_height*="130dp"  
 *android:layout\_gravity*="center\_horizontal"  
 *android:layout\_marginTop*="60dp"  
 *android:src*="@drawable/received"  
 *tools:ignore*="ContentDescription" />  
  
 <TextView  
 *android:id*="@+id/numberMobile"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center\_horizontal"  
 *android:layout\_marginTop*="20dp"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:text*="SMS kodni kiriting"  
 *android:textColor*="@color/primary"  
 *android:textSize*="20sp"  
 *tools:ignore*="InvalidId" />  
  
 <TextView  
 *android:id*="@+id/numberMobile2"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center\_horizontal"  
 *android:layout\_marginTop*="20dp"  
 *android:padding*="3dp"  
 *android:baselineAligned*="false"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:text*="(+998) 99 999 99 99"  
 *android:textColor*="@color/primary"  
 *android:textSize*="15sp" />  
  
  
 <TextView  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center\_horizontal"  
 *android:layout\_marginTop*="4dp"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:text*="Sizga SMS orqali yuborilgan kodni kiriting"  
 *android:textColor*="@color/primary"  
 *android:textSize*="15sp" />  
  
 <LinearLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center\_horizontal"  
 *android:layout\_marginTop*="20dp"  
 *android:gravity*="center"  
 *android:orientation*="horizontal">  
  
 <EditText  
 *android:id*="@+id/firstNumberId1"  
 *android:layout\_width*="40dp"  
 *android:layout\_height*="45dp"  
 *android:layout\_margin*="3dp"  
 *android:background*="@drawable/edittext\_bkg"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:gravity*="center"  
 *android:layout\_gravity*="center"  
 *android:imeOptions*="actionNext"  
 *android:importantForAutofill*="no"  
 *android:inputType*="number"  
 *android:maxLength*="1"  
 *android:textColor*="@color/primary"  
 *android:textSize*="20sp"  
 *tools:ignore*="LabelFor" />  
  
 <EditText  
 *android:id*="@+id/secondNumberId2"  
 *android:layout\_width*="40dp"  
 *android:layout\_height*="45dp"  
 *android:layout\_margin*="3dp"  
 *android:background*="@drawable/edittext\_bkg"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:gravity*="center"  
 *android:layout\_gravity*="center"  
 *android:imeOptions*="actionNext"  
 *android:importantForAutofill*="no"  
 *android:inputType*="number"  
 *android:maxLength*="1"  
 *android:textColor*="@color/primary"  
 *android:textSize*="20sp"  
 *tools:ignore*="LabelFor" />  
  
 <EditText  
 *android:id*="@+id/thirdNumberId3"  
 *android:layout\_width*="40dp"  
 *android:layout\_height*="45dp"  
 *android:layout\_margin*="3dp"  
 *android:background*="@drawable/edittext\_bkg"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:gravity*="center"  
 *android:layout\_gravity*="center"  
 *android:imeOptions*="actionNext"  
 *android:importantForAutofill*="no"  
 *android:inputType*="number"  
 *android:maxLength*="1"  
 *android:textColor*="@color/primary"  
 *android:textSize*="20sp"  
 *tools:ignore*="LabelFor" />  
  
 <EditText  
 *android:id*="@+id/fourthNumberId4"  
 *android:layout\_width*="40dp"  
 *android:layout\_height*="45dp"  
 *android:layout\_margin*="3dp"  
 *android:background*="@drawable/edittext\_bkg"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:gravity*="center"  
 *android:layout\_gravity*="center"  
 *android:imeOptions*="actionNext"  
 *android:importantForAutofill*="no"  
 *android:inputType*="number"  
 *android:maxLength*="1"  
 *android:textColor*="@color/primary"  
 *android:textSize*="20sp"  
 *tools:ignore*="LabelFor" />  
  
 <EditText  
 *android:id*="@+id/fifthNumberId5"  
 *android:layout\_width*="40dp"  
 *android:layout\_height*="45dp"  
 *android:layout\_margin*="3dp"  
 *android:background*="@drawable/edittext\_bkg"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:gravity*="center"  
 *android:layout\_gravity*="center"  
 *android:imeOptions*="actionDone"  
 *android:importantForAutofill*="no"  
 *android:inputType*="number"  
 *android:maxLength*="1"  
 *android:textColor*="@color/primary"  
 *android:textSize*="20sp"  
 *tools:ignore*="LabelFor" />  
  
  
 </LinearLayout>  
  
 <Button  
 *android:id*="@+id/VerifySMSCodeId"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center\_horizontal"  
 *android:layout\_marginTop*="20dp"  
 *android:layout\_marginBottom*="20dp"  
 *android:background*="@drawable/input\_rectangle\_background"  
 *android:fontFamily*="@font/montserrat\_bold"  
 *android:text*="Tasdiqlash"  
 *android:textColor*="@color/white"  
 *android:textSize*="16sp" />  
  
 <LinearLayout  
 *android:id*="@+id/ResendSMSCodeId"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginTop*="20dp"  
 *android:gravity*="center"  
 *android:orientation*="horizontal"  
 *android:padding*="6dp"  
 *tools:ignore*="UseCompoundDrawables">  
  
 <TextView  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:fontFamily*="@font/montserrat\_medium"  
 *android:text*="SMS kodni qayta yuborish"  
 *android:textColor*="@color/red"  
 *android:textSize*="19sp" />  
  
 <ImageView  
 *android:layout\_width*="30dp"  
 *android:layout\_height*="30dp"  
 *android:layout\_gravity*="center"  
 *android:layout\_marginLeft*="5dp"  
 *android:src*="@drawable/baseline\_replay\_24"  
 *tools:ignore*="ContentDescription,RtlHardcoded" />  
  
 </LinearLayout>  
  
</LinearLayout>  
  
</ScrollView>