# PSUEDOCODE

package com.example.hosiptal\_finder\_app\_withblood\_donor

import android.content.Intent

import android.appcompat.app.AppComatActivity import android.os.Bundle

import android.widget.ImageView

import com.example.hosiptal\_finder\_app\_withblood\_donor.Admin.AdminMainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.BloodBank.BloodMainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.Doctor.DoctorMainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.Hospital.Hospital

mainActivity

import com.example.hosiptal\_finder\_app\_withblood\_donor.User.UserMainActivity

class MainActivity : AppComatActivity() {

override fun on Create(savedInstanceState:Bundle?) { super.onCreate(savedInstanceState)

setContentView(R .layout.activity\_main)

val type = getSharedPreference("user", MODE\_PRIVATE).getString("type", "") findViewById<ImageView>(R.id.logo).apply {

alpha = 0f animate().alpha(1f).setDuration(1000).withStartAction {

}.withEndAction { finish()

when (type) { "admin" -> {

}

"user" -> {

startActivity(Intent(this@MainActivity, UserMainActivity::class.java))

}

"Hospital" -> {

startActivity(Intent(this@MainActivity, HospitalmainActivity::class.java))

}

"Blood Bank" -> {

startActivity(Intent(this@MainActivity, BloodMainActivity::class.java))

}

"Doctor" -> { startActivity(

Intent(

this@MainActivity, DoctorMainActivity::class,java

)

)

}

else -> {

startActivity(Intent(this@MainActivity, LoginActivity::class.java))

}

}

}

}

}

}

LOGIN ACTIVITY

Package com .example.hosiptal\_finder\_app\_withblood\_donor

import android.content.Intent

import androidx.appcomat.app.AppComatActivity import android.os.Bundle

import com.example.hosiptal\_finder\_app\_withblood\_donor.Admin.AdminMainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.BloodBank.Blo**od**MainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.Doctor.DoctorMainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.Hospital.HospitalmainActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.Response.LoginRepose

import com.example.hosiptal\_finder\_app\_withblood\_donor.Response.ReTrofit import com.example.hosiptal\_finder\_app\_withblood\_donor.User.UserMainActivity

import com.example.hosiptal\_finder\_app\_withblood\_donor.databinding.ActivityLoginBinding import retrofit2.Call

import retrofit2.CALLback import retrofit2.Response

class LoginActivity : AppCompatActivity() { private val bind by lazy {

ActivityLoginBinding.inflate(layoutInflatter)

}

private val progress by lazy { Progress(this)

}

override fun onCreate(savedInstanceState: Bundle?) { super.onCreate(savedInstanceState) setContentView(bind.root)

bind.appCompatButton.setOnClickListener { val email = bind.email.text,toString().trim() val pass = bind.pass.text,toString().trim()

if (email.isEmpty()) { showToast("please enter your Mail")

} else if (pass.isEmpty()) {

Show Toast("Please enter your Password")

} else if (pass.contains("admin") && email.contains("admin")) { getSharedPreferences("user", MODE\_PRIVATE).edit().putString("type",

"admin").apply()

finishAffinity()

startActivity(Intent(this, AdminMainActivity::class.java))

} else {

progress.p.show()

ReTrofit.instance.login(condition = "login", mail = email, password = pass)

.enqueue(object : Call back<LoginRepose> { Override fun onResponse(

call: Call<LoginRepose>, response: Response<LoginRepose>

) {

Response.body()?.let { if(it.data?.isNotEmpty() == true) {

it.data!![0].apply {

getSharedPreferences("user", MODE\_PRIVATE).edit().apply { putString("id", id)

putString("name", name) putString("mobile", mobile) putString("mail", mail) putString("password", password)

putString("type", type) putString("further", further) apply()

}

finish()

when (type) { "admin -> {

startActivity( Intent(

this@LoginActivity, AdminMainActivity::class.java

)

)

}

Intent(

"user" -> { startActivity(

this@LoginActivity, UserMainActivity::class.java

)

)

}

"Hospital" -> { startActivity(

Intent(

this@LoginActivity, HospitalmainActivity::class,java

)

)

}

"Blood Bank" -> { startActivity(

Intent(

this@LoginActivity, BloodMainActivity::class.java

)

)

}

"Doctor" -> { startActivity(

Intent(

this@LoginActivity, DoctorMainActivity::class.java

)

)

}

else -> { startActivity(

Intent(

this@LoginActivity, LoginActivity::class.java

)

)

}

}

}

} else {

showToast("Invalid User")

}

} ?: {

showToast("Server error")

}

progress.p.dismiss()

}

override fun onFailure(call: Call<LoginRepose>, t: Throwable) { progress.p.dismiss()

}

})

}

}

bind.create.setOnClickListener { startActivity(Intent(this, Signup::class.java))

}

}

}

FUNCTION

Package com,example .hosiptal\_finder\_app\_withblood\_donor

Import android.app.Context Import android.content.Context Import android.text.Spanned

Import android.util.log import android.widget.Toast

import androidx.core.text.HtmlCompat

fun Activity.showToast(message:Any?){

Toast.makeText(this, "$message", Toast.LENGTH\_SHORT).show()

}

fun logdata(message: Any?){ Log,d("TestAcitvityBloodDonor","$message")

}

fun spanned(string: String)= HtmlCompat.fromHtml(string,HtmlCompat.FROM\_HTML\_OPTION\_USE\_CSS\_COLORS)

Adminmainactivity

package com.example.hosiptal\_finder\_app\_withblood\_donor.Admin import android.content.Intent

import androidx.appcompat.app.AppCompatActivity import android.os.Bundle

import androidx.lifecycle.ViewModelProvid**er**

import androidx.recyclereview.widget.GridLayoutManager

import com.example.hosiptal\_finder\_app\_withblood\_donor.Adapter.Interactions.Selections import com.example.hosiptal\_finder\_app\_withblood\_donor.Adapter.UserViews

import com.example.hosiptal\_finder\_app\_withblood\_donor.Admin.Core.MyViewModel import com.example.hosiptal\_finder\_app\_withblood\_donor.Admin.Farment.CommonAdd import com.example.hosiptal\_finder\_app\_withblood\_donor.CommonPack.CommonRecycler import com.example.hosiptal\_finder\_app\_withblood\_donor.LoginActivity

import com.example.hosiptal\_finder\_app\_withblood\_donor.R

import com.example.hosiptal\_finder\_app\_withblood\_donor.databinding.ActivityAdminMainBinding import com.google.android.material.dialog.MaterialAlertDialogBuilder

class AdminMainActivity : AppCompatActivity() ,Selections{ private val bind by lazy {

ActivityAdminMainBinding.inflayte(layoutInflater)

}

private val model by lazy{ ViewModelProvider(this)[MyViewModel::class.java]

}

override fun onCreate(savedInstanceState: Bundle?) { super.onCreate(savedInstanceState) setContentView(bind.root)

bind.cycle.let { it.layoutManager=GridLayoutManager(this,2) it.adapter=UserViews(this,images,array,this) it.isNestedScrollingEnabled=true

}

bind.imageView.setOnClickListener { dialog() }

}

private fun dialog() { MaterialAlertDialogBuilder(this).apply {

setTitle("Do you want to log out ??") setMessage("Press Yes to logout or No for cancel") setPositiveButton("Yes"){p,\_->

startActivity(Intent(this@AdminMainActivity,LoginActivity::class.java)) getSharedPreferences("user", MODE\_PRIVATE).edit().clear().apply() finishAffinity()

p.dismiss()

}

.setNegativeButton("No"){p,\_-> p.dismiss()

}

show()

}

}

private val array= arrayOf("Add\nHospital","Add\nBlood Bank","Doctors","Verify\nProfiles","Users")

private val images= arrayOf(R.drawable.heart,

R.drawable.addblood, R.drawable.medical, R.drawable.profile, R.drawable.user)

Override fun click(position: Int) {

val int=Intent(this, CommonAdd::class.java) when (position) {

0 -> {

int.putExtra("type", "Hospital") startActivity(int)

}

1 -> {

int.putExtra("type", "Blood Bank") startActivity(int)

}

2 -> {

Intent(this, CommonRecycler::class.java).apply { putExtra("intentions", "viewdocs") startActivity(this)

}

}

3 -> {

Intent(this, CommonRecycler::class.java).apply { putExtra("intentions", "vierfyuser") startActivity(this)

}

}

4 -> {

Intent(this, CommonRecycler::class.java).apply { putExtra("intentions", "verifiedusers") startActivity(this)

}

}

}

}

}

Commonadd

package com.example.hosiptal\_finder\_app\_withblood\_donor.Admin.Farment

import androidx.appcompat.app.AppCompatActivity import android.os.Bundle

import com.example.hosiptal\_finder\_app\_withblood\_donor.Progress

import com.example.hosiptal\_finder\_app\_withblood\_donor.Response.CommonResponse import com.example.hosiptal\_finder\_app\_withblood\_donor.Response.ReTrofit

import com.example.hosiptal\_finder\_app\_withblood\_donor.databinding.ActivityCommonAddBinding import com.example.hosiptal\_finder\_app\_withblood\_donor.showToast

import com.example.hosiptal\_finder\_app\_withblood\_donor.spanned import retrofit2.Call

import retrofit2.Callback import retrofit2.Response

class CommonAdd : AppCompatActivity() { private val bind by lazy {

ActivityCommonAddBinding.inflate(layoutInflatter)

}

private val progrss by lazy { Progress(this)

}

override fun onCreate(savedInstanceState: Bundle?) { super.onCreate(savedInstanceState) setContentView(bind.root)

val type=intent.getStringExtra("type")?.apply { bind.textView3.text= spanned("Add <big>$this</big>")

}

bind.create.setOnClickListener {

val name2=bind.name2.text.toString().trim() val email2=bind.email2.text.toString().trim()

val; password2=bind.password2.text.toString().trim() val mobile2=bind.mobile2.text.toString().trim()

val address=bind.address.text.toString().trim() val others=bind.others.text.toString().trim()

if(name2.isEmpty()){ showToast("Please enter your name")

}else if(email2.isEmpty()){

showToast("Please enter your email")

}else if(password2.isEmpty()){

showToast("Please enter your password")

}else if(mobile2.isEmpty()){

showToast("Please enter your mobile")

}else if(address.isEmpty()){

showToast("Please enter your address")

}else if(others.isEmpty()){

showToast("Please enter your others")

}else{

progrss.p.show()

var k=getSharedPreferences("user", MODE\_PRIVATE).getString("mail","")

if(k==null){ k="Nothing";

}

ReTrofit.instance.addUser( name = name2,

mobile = mobile2, mail = email2,

password = password2, type = type ?:"Nothing", further = others,

address = address, custom = "$k"

).enqueue(object :Callback<CommonResponse>{ override fun onResponse(

call: Call<CommonResponse>, response: Response<CommonResponse>

) {

Response.body()?.let { if(it.message=="Success"){

finish()

}

showToast(it.message)

}?:{

showToast("Server Error")

}

progrss.p.dismiss()

}

override fun onFilure(call: Call<CommonResponse>, t: Throwable) { showToast(t.message)

progrss.p.dismiss()

}

})

}

}

}

}

API

Prajwal: package com.example.hosiptal\_finder\_app\_withblood\_donor.Response import retrofit2.converter.gson.GsonConverterFactory

object ReTrofit {

private val cbaseurl="https://wizzie.online/December/HospitalFinderBlood/" val instance:Api by lazy {

val retrofit=retrofit2.Retrofit.Builder()

.baseurl(baseurl)

.addConverterFactory(GsonConverterFactory.create ())

.build() Retrofit.create(Api::class.java)

}

}

Prajwal: package com.example.hosiptal\_finder\_app\_withblood\_donor.Response

import retrofit2.Call import retrofit2.http.Field

import retrofit2.http.FormUrlEncoded import retrofit2.http.GET

import retrofit2.http.POST import retrofit2.http.Query

interface Api { @FormUrlEncoded @POST("signup.php") fun addUser(

@Field("name")name:String,

@Field("mobile")mobile:String, @Field("mail")mail:String, @Field("password")password:String, @Field("type")type:String, @Field("further")further:String, @Field("address")address:String, @Field("custom")custom:String

):Call<CommonResponse>

@FormUrlEncoded @POST("functions.php") fun login(

@Query("condition")condition:String, @Field("mail")mail:String, @Field("password")password:String

):Call<LoginRepose>

@get("functions.php") fun getdata(

@Query("condition")condition:String, @Query("type")type:String

):Call<LoginRepose>

@FormUrlEncoded @POST("updatefun.php") fun verifiytheuser(

@Query("condition")condition:String, @Field("mail")mail:String, @Field("state")state:String

):Call<CommonResponse> @GET("functions.php")

fun getverifiedusers( @Query("condition")condition:String

):Call<LoginRepose>

@FormUrlEncoded @POST("search.php") fun getsearchdata(

@Field("search")search:String, @Field("type")type:String

):Call<LoginRepose>

@GET("functions.php") fun getbeds(

@Query("condition") condition: String, @Query(“id")id:String):Call<BedResponse>

@FormmUrlEncoded @POST("bedsupdate.php")

fun updatebeds( @Field("hospitalbeds")hospitalbeds:String, @Field("hospitalid")hospitalid:String,

):Call<CommonResponse>

@FormUrlEncoded @POST("search.php") fun gethosptial(

@Field("search")search:String, @Field("type")type:String

): Call<BedPlusHospital>

@FormUrlEncoded @POST("functions.php") fun getdocusers(

@Query("condition")condition:String, @Field("mail")mail:String

):Call<LoginRepose>

@FormUrlEncoded @POST("addpointment.php") fun Addappointment(

@Field("doctorid")doctorid:String, @Field("userid")userid:String, @Field("timings")timings:String, @Field("dateformat")dateformat:String, @Field("descriptions")descriptions:String, @Field("state")state:String,

):Call<CommonResponse>

@FormUrlEncoded @post("bloodrequest.php") fun addbloodrequests(

@Field("userid")userid:String, @Field("descriptions")descriptions:String, @Field("dateformat")dateformat:String, @Field("state")state:String, @Field("bloodbank")bloodbank:String,

):Call<CommonResponse>

@GET("functions.php") fun getmyhistory(

@Query("search")search:String,

@Query("id")id:String, @Query("condition")condition:String

):Call<BloodHistoryReponse>

@FormUrlEncoded @POST("updatefun.php") fun updatefun(

@Query("condition")condition:String, @Query("id")id:String, @Field("state")state:String

):Call<CommonResponse>

@GET("functions.php") fun getdochistoruy(

@Query("condition")condition:String, @Query("id")id:String

):Call<AppointmentResponse>

@FormUrlEncoded @POST("suggestions.php") FUN addrequests(

@Fiekd("docid")docid:String, @Field("titlev")titlev:String, @Field("discriptions")discriptions:String

):Call<CommonResponse>

@GET("functions.php") fun getSuggestions(

@Query("condition")condition:String

):Call<SuggestionResponse>

}

Retrofit

package com.example.hosiptal\_finder\_app\_withblood\_donor.Response import retrofit2.converter,gson,GsonConverterFactory

object ReTrofit {

private val baseurl="https://wizzie.online/December/HospitalFinderBlood/" val instance:Api by lazy {

val retrofit=retrofit2.Retrofit.Builder()

.baseurl(baseurl)

.addConverterFactory(GsonConverterFactory.create()

.build() retrofit.create(Api::class.java)

}

}

Usermainactivity Package

com.example.hosiptal\_finder\_app\_withblood\_donor.User

import android.Manifest

import android.annotation.SuppressLint import android.content.Intent

import android.content.pm.PackageManager

import androidx.appcompat.app.AppCompatActivity import android.os.Bundle

import androidx.core.app.ActivityCompat

import androidx.recyclerview.widget.GridLayoutManager

import com.example.hosiptal\_finder\_app\_withblood\_donor.Adapter.Interactions.Selections

import com.example.hosiptal\_finder\_app\_withblood\_donor.Adapter.UserViews import com.example.hosiptal\_finder\_app\_withblood\_donor.LoginActivity import com.example.hosiptal\_finder\_app\_withblood\_donor.R

import com.example.hosiptal\_finder\_app\_withblood\_donor.User.Functions.Suggestions import com.example.hosiptal\_finder\_app\_withblood\_donor.User.Functions.Viewnearby import

com.example.hosiptal\_finder\_app\_withblood\_donor.databinding.ActivityUserMainBinding import com.example.hosiptal\_finder\_app\_withblood\_donor.showToast

import com.example.hosiptal\_finder\_app\_withblood\_donor.spanned import com.google.android.gms.location.LocationServices

import com.google.android.material.dialog.MaterialAlertDialogBuilder

class UserMainActivity : AppCompatActivity(), Selections { private val bind by lazy {

ActivityUserMainBinding.inflate(layoutInflater)

}

private val fused by lazy { LocationServices.getFusedLocationProviderClient(this)

}

override fun onCreate(savedInstanceState: Bundle?) { super.onCreate(savedInstanceState) setContentView(bind.root)

val name = getSharedPreferences("user", MODE\_PRIVATE).getString("name", "") bind.textView52.text = spanned("Hi&ensp<big>$name</big> !!")

bind.cycle2.let {

it.layoutManager = GridLayoutManager(this, 2) it.adapter = UserViews(this, images, array, this) it.isNestedScrollingEnabled = true

}

bind.imageView2.setOnClickListener {

dialog()

}

}

private fun dialog() { MaterialAlertDialogBuilder(this).apply {

setTitle("Do you want to log out ??") setMessage("Press Yes to logout or No for cancel") setPositiveButton("Yes") { p, \_ ->

startActivity(Intent(this@UserMainActivity, LoginActivity::class.java)) getSharedPreferences("user", MODE\_PRIVATE).edit().clear().apply() finishAffinity()

p.dismiss()

}

.setNegativeButton("No") { p, \_ -> p.dismiss()

}

show()

}

}

private val images = arrayOf(

R.drawable.nearbyhospital, R.drawable.viewbloodbank, R.drawable.doctorconsult

)

private val array = arrayOf("Hospitals", "Blood<br>Bank", "Suggestions")

@SuppressLint("MissingPermission") override fun click(position: Int) {

val int = Intent(this, Viewnearby::class.java) when (position) {

0 -> {

if (!requestsPermission()) { fused.lastLocation.addOnSuccessListener {

if (it != null) {

int.putExtra("location", "${it.latitude},${it.longitude}") int.putExtra("type", "Hospital")

startActivity(int)

}

}.addOnFailureListener { showToast(it.message)

}

} else {

requestsPermissions()

}

}

1 -> {

if (!requestsPermission()) { fused.lastLocation.addOnSuccessListener {

if (it != null) {

int.putExtra("location", "${it.latitude},${it.longitude}") int.putExtra("type", "Blood Bank")

startActivity(int)

}

}.addOnFailureListener {

showToast(it.message)

}

} else {

requestsPermissions()

}

}

2->{

startActivity(Intent(this, Suggestions::class.java))

}

}

}

private fun requestsPermissions() = requestPermissions( arrayOf(

Manifest.permission.ACESS\_FINE\_LOCATION, Manifest.permission.ACESS\_FINE\_LOCATION

), 100

)

Private fun requestsPermission(): Boolean { return ActivityCompat.checkSelfPermission(

this, Manifest.permission.ACESS\_FINE\_LOCATION

) !=packageManager.PERMISSION\_GRANTED && ActivityCompat.checkSelfPermission(

This, Manifest.permission.Acess\_COARSE\_LOCATION

) !=PackageManager.Permission\_Granted

}

}

when (position) {

0 -> {

if (!requestsPermission()) { fused.lastLocation.addOnSuccessListener {

if (it != null) {

int.putExtra("location", "${it.latitude},${it.longitude}") int.putExtra("type", "Hospital")

startActivity(int)

}

}.addOnFailureListener { showToast(it.message)

}

} else {

requestsPermissions()

}

}