|  |
| --- |
| User.kt |
|  |  |
|  | import androidx.room.ColumnInfo |
|  | import androidx.room.Entity |
|  | import androidx.room.PrimaryKey |
|  |  |
|  | @Entity(tableName = "user\_table") |
|  | data class User( |
|  | @PrimaryKey(autoGenerate = true) val id: Int?, |
|  | @ColumnInfo(name = "first\_name") val firstName: String?, |
|  | @ColumnInfo(name = "last\_name") val lastName: String?, |
|  | @ColumnInfo(name = "email") val email: String?, |
|  | @ColumnInfo(name = "password") val password: String?, |
|  |  |
|  | ) |
|  |  |

UserDeo.kt

|  |
| --- |
|  |
|  |  |
|  | import androidx.room.\* |
|  |  |
|  | @Dao |
|  | interface UserDao { |
|  |  |
|  | @Query("SELECT \* FROM user\_table WHERE email = :email") |
|  | suspend fun getUserByEmail(email: String): User? |
|  |  |
|  | @Insert(onConflict = OnConflictStrategy.REPLACE) |
|  | suspend fun insertUser(user: User) |
|  |  |
|  | @Update |
|  | suspend fun updateUser(user: User) |
|  |  |
|  | @Delete |
|  | suspend fun deleteUser(user: User) |
|  | } |

|  |
| --- |
|  |
|  | RegisterActivity.kt |
|  | import android.content.Context |
|  | import android.content.Intent |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.material.\* |
|  | import androidx.compose.runtime.\* |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.layout.ContentScale |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.text.font.FontFamily |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.input.PasswordVisualTransformation |
|  | import androidx.compose.ui.tooling.preview.Preview |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  | import androidx.core.content.ContextCompat |
|  | import com.example.owlapplication.ui.theme.OwlApplicationTheme |
|  |  |
|  | class RegisterActivity : ComponentActivity() { |
|  | private lateinit var databaseHelper: UserDatabaseHelper |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | databaseHelper = UserDatabaseHelper(this) |
|  | setContent { |
|  | RegistrationScreen(this, databaseHelper) |
|  | } |
|  | } |
|  | } |
|  |  |
|  | @Composable |
|  | fun RegistrationScreen(context: Context, databaseHelper: UserDatabaseHelper) { |
|  |  |
|  | var username by remember { mutableStateOf("") } |
|  | var password by remember { mutableStateOf("") } |
|  | var email by remember { mutableStateOf("") } |
|  | var error by remember { mutableStateOf("") } |
|  |  |
|  | Column( |
|  | modifier = Modifier.fillMaxSize().background(Color.White), |
|  | horizontalAlignment = Alignment.CenterHorizontally, |
|  | verticalArrangement = Arrangement.Center |
|  | ) { |
|  |  |
|  | Image(painterResource(id = R.drawable.study\_signup), contentDescription = "") |
|  |  |
|  | Text( |
|  | fontSize = 36.sp, |
|  | fontWeight = FontWeight.ExtraBold, |
|  | fontFamily = FontFamily.Cursive, |
|  | text = "Register" |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(10.dp)) |
|  | TextField( |
|  | value = username, |
|  | onValueChange = { username = it }, |
|  | label = { Text("Username") }, |
|  | modifier = Modifier |
|  | .padding(10.dp) |
|  | .width(280.dp) |
|  |  |
|  | ) |
|  |  |
|  | TextField( |
|  | value = email, |
|  | onValueChange = { email = it }, |
|  | label = { Text("Email") }, |
|  | modifier = Modifier |
|  | .padding(10.dp) |
|  | .width(280.dp) |
|  | ) |
|  |  |
|  | TextField( |
|  | value = password, |
|  | onValueChange = { password = it }, |
|  | label = { Text("Password") }, |
|  | visualTransformation = PasswordVisualTransformation(), |
|  | modifier = Modifier |
|  | .padding(10.dp) |
|  | .width(280.dp) |
|  | ) |
|  |  |
|  |  |
|  | if (error.isNotEmpty()) { |
|  | Text( |
|  | text = error, |
|  | color = MaterialTheme.colors.error, |
|  | modifier = Modifier.padding(vertical = 16.dp) |
|  | ) |
|  | } |
|  |  |
|  | Button( |
|  | onClick = { |
|  | if (username.isNotEmpty() && password.isNotEmpty() && email.isNotEmpty()) { |
|  | val user = User( |
|  | id = null, |
|  | firstName = username, |
|  | lastName = null, |
|  | email = email, |
|  | password = password |
|  | ) |
|  | databaseHelper.insertUser(user) |
|  | error = "User registered successfully" |
|  | // Start LoginActivity using the current context |
|  | context.startActivity( |
|  | Intent( |
|  | context, |
|  | LoginActivity::class.java |
|  | ) |
|  | ) |
|  |  |
|  | } else { |
|  | error = "Please fill all fields" |
|  | } |
|  | }, |
|  | modifier = Modifier.padding(top = 16.dp) |
|  | ) { |
|  | Text(text = "Register") |
|  | } |
|  | Spacer(modifier = Modifier.width(10.dp)) |
|  | Spacer(modifier = Modifier.height(10.dp)) |
|  |  |
|  | Row() { |
|  | Text( |
|  | modifier = Modifier.padding(top = 14.dp), text = "Have an account?" |
|  | ) |
|  | TextButton(onClick = { |
|  | context.startActivity( |
|  | Intent( |
|  | context, |
|  | LoginActivity::class.java |
|  | ) |
|  | ) |
|  | }) |
|  |  |
|  | { |
|  | Spacer(modifier = Modifier.width(10.dp)) |
|  | Text(text = "Log in") |
|  | } |
|  | } |
|  | } |
|  | } |
|  | private fun startLoginActivity(context: Context) { |
|  | val intent = Intent(context, LoginActivity::class.java) |
|  | ContextCompat.startActivity(context, intent, null) |
|  | } |

UserDatabaseHelper.kt

es (101 sloc)  4.22 KB

[Raw](https://github.com/smartinternz02/Owl-M-A-Material-Design-Study-App/raw/main/app/src/main/java/com/example/owlapplication/UserDatabaseHelper.kt) [Blame](https://github.com/smartinternz02/Owl-M-A-Material-Design-Study-App/blame/main/app/src/main/java/com/example/owlapplication/UserDatabaseHelper.kt)

Top of Form

Bottom of Form

|  |  |
| --- | --- |
|  | package com.example.owlapplication |
|  |  |
|  | import android.annotation.SuppressLint |
|  | import android.content.ContentValues |
|  | import android.content.Context |
|  | import android.database.Cursor |
|  | import android.database.sqlite.SQLiteDatabase |
|  | import android.database.sqlite.SQLiteOpenHelper |
|  |  |
|  | class UserDatabaseHelper(context: Context) : |
|  | SQLiteOpenHelper(context, DATABASE\_NAME, null, DATABASE\_VERSION) { |
|  |  |
|  | companion object { |
|  | private const val DATABASE\_VERSION = 1 |
|  | private const val DATABASE\_NAME = "UserDatabase.db" |
|  |  |
|  | private const val TABLE\_NAME = "user\_table" |
|  | private const val COLUMN\_ID = "id" |
|  | private const val COLUMN\_FIRST\_NAME = "first\_name" |
|  | private const val COLUMN\_LAST\_NAME = "last\_name" |
|  | private const val COLUMN\_EMAIL = "email" |
|  | private const val COLUMN\_PASSWORD = "password" |
|  | } |
|  |  |
|  | override fun onCreate(db: SQLiteDatabase?) { |
|  | val createTable = "CREATE TABLE $TABLE\_NAME (" + |
|  | "$COLUMN\_ID INTEGER PRIMARY KEY AUTOINCREMENT, " + |
|  | "$COLUMN\_FIRST\_NAME TEXT, " + |
|  | "$COLUMN\_LAST\_NAME TEXT, " + |
|  | "$COLUMN\_EMAIL TEXT, " + |
|  | "$COLUMN\_PASSWORD TEXT" + |
|  | ")" |
|  |  |
|  | db?.execSQL(createTable) |
|  | } |
|  |  |
|  | override fun onUpgrade(db: SQLiteDatabase?, oldVersion: Int, newVersion: Int) { |
|  | db?.execSQL("DROP TABLE IF EXISTS $TABLE\_NAME") |
|  | onCreate(db) |
|  | } |
|  |  |
|  | fun insertUser(user: User) { |
|  | val db = writableDatabase |
|  | val values = ContentValues() |
|  | values.put(COLUMN\_FIRST\_NAME, user.firstName) |
|  | values.put(COLUMN\_LAST\_NAME, user.lastName) |
|  | values.put(COLUMN\_EMAIL, user.email) |
|  | values.put(COLUMN\_PASSWORD, user.password) |
|  | db.insert(TABLE\_NAME, null, values) |
|  | db.close() |
|  | } |
|  |  |
|  | @SuppressLint("Range") |
|  | fun getUserByUsername(username: String): User? { |
|  | val db = readableDatabase |
|  | val cursor: Cursor = db.rawQuery("SELECT \* FROM $TABLE\_NAME WHERE $COLUMN\_FIRST\_NAME = ?", arrayOf(username)) |
|  | var user: User? = null |
|  | if (cursor.moveToFirst()) { |
|  | user = User( |
|  | id = cursor.getInt(cursor.getColumnIndex(COLUMN\_ID)), |
|  | firstName = cursor.getString(cursor.getColumnIndex(COLUMN\_FIRST\_NAME)), |
|  | lastName = cursor.getString(cursor.getColumnIndex(COLUMN\_LAST\_NAME)), |
|  | email = cursor.getString(cursor.getColumnIndex(COLUMN\_EMAIL)), |
|  | password = cursor.getString(cursor.getColumnIndex(COLUMN\_PASSWORD)), |
|  | ) |
|  | } |
|  | cursor.close() |
|  | db.close() |
|  | return user |
|  | } |
|  | @SuppressLint("Range") |
|  | fun getUserById(id: Int): User? { |
|  | val db = readableDatabase |
|  | val cursor: Cursor = db.rawQuery("SELECT \* FROM $TABLE\_NAME WHERE $COLUMN\_ID = ?", arrayOf(id.toString())) |
|  | var user: User? = null |
|  | if (cursor.moveToFirst()) { |
|  | user = User( |
|  | id = cursor.getInt(cursor.getColumnIndex(COLUMN\_ID)), |
|  | firstName = cursor.getString(cursor.getColumnIndex(COLUMN\_FIRST\_NAME)), |
|  | lastName = cursor.getString(cursor.getColumnIndex(COLUMN\_LAST\_NAME)), |
|  | email = cursor.getString(cursor.getColumnIndex(COLUMN\_EMAIL)), |
|  | password = cursor.getString(cursor.getColumnIndex(COLUMN\_PASSWORD)), |
|  | ) |
|  | } |
|  | cursor.close() |
|  | db.close() |
|  | return user |
|  | } |
|  |  |
|  | @SuppressLint("Range") |
|  | fun getAllUsers(): List<User> { |
|  | val users = mutableListOf<User>() |
|  | val db = readableDatabase |
|  | val cursor: Cursor = db.rawQuery("SELECT \* FROM $TABLE\_NAME", null) |
|  | if (cursor.moveToFirst()) { |
|  | do { |
|  | val user = User( |
|  | id = cursor.getInt(cursor.getColumnIndex(COLUMN\_ID)), |
|  | firstName = cursor.getString(cursor.getColumnIndex(COLUMN\_FIRST\_NAME)), |
|  | lastName = cursor.getString(cursor.getColumnIndex(COLUMN\_LAST\_NAME)), |
|  | email = cursor.getString(cursor.getColumnIndex(COLUMN\_EMAIL)), |
|  | password = cursor.getString(cursor.getColumnIndex(COLUMN\_PASSWORD)), |
|  | ) |
|  | users.add(user) |
|  | } while (cursor.moveToNext()) |
|  | } |
|  | cursor.close() |
|  | db.close() |
|  | return users |
|  | } |
|  |  |
|  | } |

LoginActivity.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.content.Context |
|  | import android.content.Intent |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.material.\* |
|  | import androidx.compose.runtime.\* |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.layout.ContentScale |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.text.font.FontFamily |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.input.PasswordVisualTransformation |
|  | import androidx.compose.ui.tooling.preview.Preview |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  | import androidx.core.content.ContextCompat |
|  | import com.example.owlapplication.ui.theme.OwlApplicationTheme |
|  |  |
|  | class LoginActivity : ComponentActivity() { |
|  | private lateinit var databaseHelper: UserDatabaseHelper |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | databaseHelper = UserDatabaseHelper(this) |
|  | setContent { |
|  | LoginScreen(this, databaseHelper) |
|  | } |
|  | } |
|  | } |
|  | @Composable |
|  | fun LoginScreen(context: Context, databaseHelper: UserDatabaseHelper) { |
|  |  |
|  | var username by remember { mutableStateOf("") } |
|  | var password by remember { mutableStateOf("") } |
|  | var error by remember { mutableStateOf("") } |
|  |  |
|  | Column( |
|  | modifier = Modifier.fillMaxSize().background(Color.White), |
|  | horizontalAlignment = Alignment.CenterHorizontally, |
|  | verticalArrangement = Arrangement.Center |
|  | ) { |
|  |  |
|  | Image(painterResource(id = R.drawable.study\_login), contentDescription = "") |
|  |  |
|  | Text( |
|  | fontSize = 36.sp, |
|  | fontWeight = FontWeight.ExtraBold, |
|  | fontFamily = FontFamily.Cursive, |
|  | text = "Login" |
|  | ) |
|  | Spacer(modifier = Modifier.height(10.dp)) |
|  |  |
|  | TextField( |
|  | value = username, |
|  | onValueChange = { username = it }, |
|  | label = { Text("Username") }, |
|  | modifier = Modifier.padding(10.dp) |
|  | .width(280.dp) |
|  | ) |
|  |  |
|  | TextField( |
|  | value = password, |
|  | onValueChange = { password = it }, |
|  | label = { Text("Password") }, |
|  | visualTransformation = PasswordVisualTransformation(), |
|  | modifier = Modifier.padding(10.dp) |
|  | .width(280.dp) |
|  | ) |
|  |  |
|  | if (error.isNotEmpty()) { |
|  | Text( |
|  | text = error, |
|  | color = MaterialTheme.colors.error, |
|  | modifier = Modifier.padding(vertical = 16.dp) |
|  | ) |
|  | } |
|  |  |
|  | Button( |
|  | onClick = { |
|  | if (username.isNotEmpty() && password.isNotEmpty()) { |
|  | val user = databaseHelper.getUserByUsername(username) |
|  | if (user != null && user.password == password) { |
|  | error = "Successfully log in" |
|  | context.startActivity( |
|  | Intent( |
|  | context, |
|  | MainActivity::class.java |
|  | ) |
|  | ) |
|  | //onLoginSuccess() |
|  | } |
|  | else { |
|  | error = "Invalid username or password" |
|  | } |
|  |  |
|  | } else { |
|  | error = "Please fill all fields" |
|  | } |
|  | }, |
|  | modifier = Modifier.padding(top = 16.dp) |
|  | ) { |
|  | Text(text = "Login") |
|  | } |
|  | Row { |
|  | TextButton(onClick = {context.startActivity( |
|  | Intent( |
|  | context, |
|  | RegisterActivity::class.java |
|  | ) |
|  | )} |
|  | ) |
|  | { Text(text = "Register") } |
|  | TextButton(onClick = { |
|  | }) |
|  |  |
|  | { |
|  | Spacer(modifier = Modifier.width(60.dp)) |
|  | Text(text = "Forget password?") |
|  | } |
|  | } |
|  | } |
|  | } |
|  | private fun startMainPage(context: Context) { |
|  | val intent = Intent(context, MainActivity::class.java) |
|  | ContextCompat.startActivity(context, intent, null) |
|  | } |

## RegisterActivity.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.content.Context |
|  | import android.content.Intent |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.material.\* |
|  | import androidx.compose.runtime.\* |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.layout.ContentScale |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.text.font.FontFamily |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.input.PasswordVisualTransformation |
|  | import androidx.compose.ui.tooling.preview.Preview |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  | import androidx.core.content.ContextCompat |
|  | import com.example.owlapplication.ui.theme.OwlApplicationTheme |
|  |  |
|  | class RegisterActivity : ComponentActivity() { |
|  | private lateinit var databaseHelper: UserDatabaseHelper |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | databaseHelper = UserDatabaseHelper(this) |
|  | setContent { |
|  | RegistrationScreen(this, databaseHelper) |
|  | } |
|  | } |
|  | } |
|  |  |
|  | @Composable |
|  | fun RegistrationScreen(context: Context, databaseHelper: UserDatabaseHelper) { |
|  |  |
|  | var username by remember { mutableStateOf("") } |
|  | var password by remember { mutableStateOf("") } |
|  | var email by remember { mutableStateOf("") } |
|  | var error by remember { mutableStateOf("") } |
|  |  |
|  | Column( |
|  | modifier = Modifier.fillMaxSize().background(Color.White), |
|  | horizontalAlignment = Alignment.CenterHorizontally, |
|  | verticalArrangement = Arrangement.Center |
|  | ) { |
|  |  |
|  | Image(painterResource(id = R.drawable.study\_signup), contentDescription = "") |
|  |  |
|  | Text( |
|  | fontSize = 36.sp, |
|  | fontWeight = FontWeight.ExtraBold, |
|  | fontFamily = FontFamily.Cursive, |
|  | text = "Register" |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(10.dp)) |
|  | TextField( |
|  | value = username, |
|  | onValueChange = { username = it }, |
|  | label = { Text("Username") }, |
|  | modifier = Modifier |
|  | .padding(10.dp) |
|  | .width(280.dp) |
|  |  |
|  | ) |
|  |  |
|  | TextField( |
|  | value = email, |
|  | onValueChange = { email = it }, |
|  | label = { Text("Email") }, |
|  | modifier = Modifier |
|  | .padding(10.dp) |
|  | .width(280.dp) |
|  | ) |
|  |  |
|  | TextField( |
|  | value = password, |
|  | onValueChange = { password = it }, |
|  | label = { Text("Password") }, |
|  | visualTransformation = PasswordVisualTransformation(), |
|  | modifier = Modifier |
|  | .padding(10.dp) |
|  | .width(280.dp) |
|  | ) |
|  |  |
|  |  |
|  | if (error.isNotEmpty()) { |
|  | Text( |
|  | text = error, |
|  | color = MaterialTheme.colors.error, |
|  | modifier = Modifier.padding(vertical = 16.dp) |
|  | ) |
|  | } |
|  |  |
|  | Button( |
|  | onClick = { |
|  | if (username.isNotEmpty() && password.isNotEmpty() && email.isNotEmpty()) { |
|  | val user = User( |
|  | id = null, |
|  | firstName = username, |
|  | lastName = null, |
|  | email = email, |
|  | password = password |
|  | ) |
|  | databaseHelper.insertUser(user) |
|  | error = "User registered successfully" |
|  | // Start LoginActivity using the current context |
|  | context.startActivity( |
|  | Intent( |
|  | context, |
|  | LoginActivity::class.java |
|  | ) |
|  | ) |
|  |  |
|  | } else { |
|  | error = "Please fill all fields" |
|  | } |
|  | }, |
|  | modifier = Modifier.padding(top = 16.dp) |
|  | ) { |
|  | Text(text = "Register") |
|  | } |
|  | Spacer(modifier = Modifier.width(10.dp)) |
|  | Spacer(modifier = Modifier.height(10.dp)) |
|  |  |
|  | Row() { |
|  | Text( |
|  | modifier = Modifier.padding(top = 14.dp), text = "Have an account?" |
|  | ) |
|  | TextButton(onClick = { |
|  | context.startActivity( |
|  | Intent( |
|  | context, |
|  | LoginActivity::class.java |
|  | ) |
|  | ) |
|  | }) |
|  |  |
|  | { |
|  | Spacer(modifier = Modifier.width(10.dp)) |
|  | Text(text = "Log in") |
|  | } |
|  | } |
|  | } |
|  | } |
|  | private fun startLoginActivity(context: Context) { |
|  | val intent = Intent(context, LoginActivity::class.java) |
|  | ContextCompat.startActivity(context, intent, null) |
|  | } |

MainActivity.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.content.Context |
|  | import android.content.Intent |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.clickable |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.foundation.rememberScrollState |
|  | import androidx.compose.foundation.verticalScroll |
|  | import androidx.compose.material.Card |
|  | import androidx.compose.material.Text |
|  | import androidx.compose.runtime.Composable |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.draw.scale |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.res.stringResource |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.style.TextAlign |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  |  |
|  | class MainActivity : ComponentActivity() { |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | setContent { |
|  | StudyApp(this) |
|  | } |
|  | } |
|  | } |
|  |  |
|  | @Composable |
|  | fun StudyApp(context: Context) { |
|  |  |
|  | Column( |
|  | modifier = Modifier |
|  | .padding(20.dp) |
|  | .verticalScroll(rememberScrollState()) |
|  |  |
|  | ) { |
|  |  |
|  | Text(text = "Study Material", |
|  | fontSize = 36.sp, |
|  | fontWeight = FontWeight.Bold, |
|  | color = Color(0xFFFFA500), |
|  | modifier = Modifier.align(Alignment.CenterHorizontally)) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  |  |
|  | // 01 |
|  | Card( |
|  | modifier = Modifier |
|  | .fillMaxWidth() |
|  | .height(250.dp) |
|  | .clickable { |
|  | context.startActivity( |
|  | Intent(context, MainActivity2::class.java) |
|  |  |
|  | ) |
|  | }, |
|  | elevation = 8.dp |
|  | ) |
|  | { |
|  | Column( |
|  | horizontalAlignment = Alignment.CenterHorizontally |
|  | ) { |
|  | Image( |
|  | painterResource(id = R.drawable.img\_1), contentDescription = "", |
|  | modifier = Modifier |
|  | .height(150.dp) |
|  | .scale(scaleX = 1.2F, scaleY = 1F) |
|  | ) |
|  | Text(text = stringResource(id = R.string.course1),color = Color(0xFFFFA500), |
|  | fontSize = 16.sp) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic1), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 20.sp, |
|  | textAlign = TextAlign.Center, |
|  | ) |
|  | } |
|  | } |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | // 02 |
|  | Card( |
|  | modifier = Modifier |
|  | .fillMaxWidth() |
|  | .height(250.dp) |
|  | .clickable { |
|  | context.startActivity( |
|  | Intent(context, MainActivity3::class.java) |
|  |  |
|  | ) |
|  | }, |
|  | elevation = 8.dp |
|  | ) |
|  | { |
|  | Column( |
|  | horizontalAlignment = Alignment.CenterHorizontally |
|  | ) { |
|  | Image( |
|  | painterResource(id = R.drawable.img\_2), contentDescription = "", |
|  | modifier = Modifier |
|  | .height(150.dp) |
|  | .scale(scaleX = 1.4F, scaleY = 1F) |
|  | ) |
|  | Text(text = stringResource(id = R.string.course2),color = Color(0xFFFFA500), |
|  | fontSize = 16.sp) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic2), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 20.sp, |
|  | textAlign = TextAlign.Center, |
|  | ) |
|  | } |
|  | } |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | // 03 |
|  | Card( |
|  | modifier = Modifier |
|  | .fillMaxWidth() |
|  | .height(250.dp) |
|  | .clickable { |
|  | context.startActivity( |
|  | Intent(context, MainActivity4::class.java) |
|  |  |
|  | ) |
|  | }, |
|  | elevation = 8.dp |
|  | ) |
|  | { |
|  | Column( |
|  | horizontalAlignment = Alignment.CenterHorizontally |
|  | ) { |
|  | Image( |
|  | painterResource(id = R.drawable.img\_3), contentDescription = "", |
|  | modifier = Modifier |
|  | .height(150.dp) |
|  | .scale(scaleX = 1.2F, scaleY = 1F) |
|  | ) |
|  | Text(text = stringResource(id = R.string.course3),color = Color(0xFFFFA500), |
|  | fontSize = 16.sp) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic3), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 20.sp, |
|  | textAlign = TextAlign.Center, |
|  | ) |
|  | } |
|  | } |
|  |  |
|  |  |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | // 04 |
|  | Card( |
|  | modifier = Modifier |
|  | .fillMaxWidth() |
|  | .height(250.dp) |
|  | .clickable { |
|  | context.startActivity( |
|  | Intent(context, MainActivity5::class.java) |
|  |  |
|  | ) |
|  | }, |
|  | elevation = 8.dp |
|  | ) |
|  | { |
|  | Column( |
|  | horizontalAlignment = Alignment.CenterHorizontally |
|  | ) { |
|  | Image( |
|  | painterResource(id = R.drawable.img\_4), contentDescription = "", |
|  | modifier = Modifier |
|  | .height(150.dp) |
|  | .scale(scaleX = 1.2F, scaleY = 1F) |
|  | ) |
|  | Text(text = stringResource(id = R.string.course4),color = Color(0xFFFFA500), |
|  | fontSize = 16.sp) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic4), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 20.sp, |
|  | textAlign = TextAlign.Center, |
|  | ) |
|  | } |
|  | } |
|  |  |
|  |  |
|  |  |
|  | } |
|  | } |

MainActivity2.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.foundation.rememberScrollState |
|  | import androidx.compose.foundation.verticalScroll |
|  | import androidx.compose.material.Text |
|  | import androidx.compose.runtime.Composable |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.draw.scale |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.res.stringResource |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.style.TextAlign |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  | import com.example.owlapplication.ui.theme.OwlApplicationTheme |
|  |  |
|  | class MainActivity2 : ComponentActivity() { |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | setContent { |
|  | Greeting() |
|  | } |
|  | } |
|  | } |
|  | @Composable |
|  | fun Greeting() { |
|  | Column( |
|  | modifier = Modifier.padding(start = 26.dp, end = 26.dp, bottom = 26.dp) |
|  | .verticalScroll(rememberScrollState()) |
|  | .background(Color.White), |
|  | verticalArrangement = Arrangement.Top |
|  | ) { |
|  |  |
|  | Image( |
|  | painterResource(id = R.drawable.img\_1), |
|  | contentDescription = "", |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | .scale(scaleX = 1.5F, scaleY = 1.5F) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(60.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.course1), |
|  | color = Color(0xFFFFA500), |
|  | fontSize = 16.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic1), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 26.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  |  |
|  | ) |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading1\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text1\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading1\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text1\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  |  |
|  |  |
|  |  |
|  | } |
|  | } |

MainActivity3.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.foundation.rememberScrollState |
|  | import androidx.compose.foundation.verticalScroll |
|  | import androidx.compose.material.Text |
|  | import androidx.compose.runtime.Composable |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.draw.scale |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.res.stringResource |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.style.TextAlign |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  |  |
|  | class MainActivity3 : ComponentActivity() { |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | setContent { |
|  | Greeting1() |
|  | } |
|  | } |
|  | } |
|  | @Composable |
|  | fun Greeting1() { |
|  | Column( |
|  | modifier = Modifier.padding(start = 26.dp, end = 26.dp, bottom = 26.dp) |
|  | .verticalScroll(rememberScrollState()) |
|  | .background(Color.White), |
|  | verticalArrangement = Arrangement.Top |
|  | ) { |
|  |  |
|  | Image( |
|  | painterResource(id = R.drawable.img\_2), |
|  | contentDescription = "", |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | .scale(scaleX = 1.2F, scaleY = 1F) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.course2), |
|  | color = Color(0xFFFFA500), |
|  | fontSize = 16.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic2), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 26.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  |  |
|  | ) |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading2\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text2\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading2\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text2\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  |  |
|  |  |
|  |  |
|  | } |

}

MainActivity5.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.foundation.rememberScrollState |
|  | import androidx.compose.foundation.verticalScroll |
|  | import androidx.compose.material.MaterialTheme |
|  | import androidx.compose.material.Surface |
|  | import androidx.compose.material.Text |
|  | import androidx.compose.runtime.Composable |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.draw.scale |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.res.stringResource |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.style.TextAlign |
|  | import androidx.compose.ui.tooling.preview.Preview |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  | import com.example.owlapplication.ui.theme.OwlApplicationTheme |
|  |  |
|  | class MainActivity4 : ComponentActivity() { |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | setContent { |
|  | Greeting2() |
|  | } |
|  | } |
|  | } |
|  | @Composable |
|  | fun Greeting2() { |
|  | Column( |
|  | modifier = Modifier.padding(start = 26.dp, end = 26.dp, bottom = 26.dp) |
|  | .verticalScroll(rememberScrollState()) |
|  | .background(Color.White), |
|  | verticalArrangement = Arrangement.Top |
|  | ) { |
|  |  |
|  | Image( |
|  | painterResource(id = R.drawable.img\_3), |
|  | contentDescription = "", |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | .scale(scaleX = 1.5F, scaleY = 2F) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(60.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.course3), |
|  | color = Color(0xFFFFA500), |
|  | fontSize = 16.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic3), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 26.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  |  |
|  | ) |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading3\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text3\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading3\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text3\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  |  |
|  |  |
|  |  |
|  | } |
|  | } |

MainActivity5.kt

|  |
| --- |
| package com.example.owlapplication |
|  |  |
|  | import android.os.Bundle |
|  | import androidx.activity.ComponentActivity |
|  | import androidx.activity.compose.setContent |
|  | import androidx.compose.foundation.Image |
|  | import androidx.compose.foundation.background |
|  | import androidx.compose.foundation.layout.\* |
|  | import androidx.compose.foundation.rememberScrollState |
|  | import androidx.compose.foundation.verticalScroll |
|  | import androidx.compose.material.MaterialTheme |
|  | import androidx.compose.material.Surface |
|  | import androidx.compose.material.Text |
|  | import androidx.compose.runtime.Composable |
|  | import androidx.compose.ui.Alignment |
|  | import androidx.compose.ui.Modifier |
|  | import androidx.compose.ui.draw.scale |
|  | import androidx.compose.ui.graphics.Color |
|  | import androidx.compose.ui.res.painterResource |
|  | import androidx.compose.ui.res.stringResource |
|  | import androidx.compose.ui.text.font.FontWeight |
|  | import androidx.compose.ui.text.style.TextAlign |
|  | import androidx.compose.ui.tooling.preview.Preview |
|  | import androidx.compose.ui.unit.dp |
|  | import androidx.compose.ui.unit.sp |
|  | import com.example.owlapplication.ui.theme.OwlApplicationTheme |
|  |  |
|  | class MainActivity4 : ComponentActivity() { |
|  | override fun onCreate(savedInstanceState: Bundle?) { |
|  | super.onCreate(savedInstanceState) |
|  | setContent { |
|  | Greeting2() |
|  | } |
|  | } |
|  | } |
|  | @Composable |
|  | fun Greeting2() { |
|  | Column( |
|  | modifier = Modifier.padding(start = 26.dp, end = 26.dp, bottom = 26.dp) |
|  | .verticalScroll(rememberScrollState()) |
|  | .background(Color.White), |
|  | verticalArrangement = Arrangement.Top |
|  | ) { |
|  |  |
|  | Image( |
|  | painterResource(id = R.drawable.img\_3), |
|  | contentDescription = "", |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | .scale(scaleX = 1.5F, scaleY = 2F) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(60.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.course3), |
|  | color = Color(0xFFFFA500), |
|  | fontSize = 16.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.topic3), |
|  | fontWeight = FontWeight.Bold, |
|  | fontSize = 26.sp, |
|  | modifier = Modifier.align(Alignment.CenterHorizontally) |
|  |  |
|  | ) |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading3\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text3\_1), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  | Text( |
|  | text = stringResource(id = R.string.subheading3\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | fontSize = 20.sp |
|  | ) |
|  |  |
|  | Spacer(modifier = Modifier.height(20.dp)) |
|  |  |
|  | Text( |
|  | text = stringResource(id = R.string.text3\_2), |
|  | modifier = Modifier.align(Alignment.Start), |
|  | textAlign = TextAlign.Justify, |
|  | fontSize = 16.sp |
|  | ) |
|  |  |
|  |  |
|  |  |
|  |  |
|  | } |
|  | } |

AndroidManifest.xml

|  |
| --- |
| <?xml version="1.0" encoding="utf-8"?> |
|  | <manifest  xmlns:android="http://schemas.android.com/apk/res/android" |
|  | xmlns:tools="http://schemas.android.com/tools"> |
|  |  |
|  | <application |
|  | android:allowBackup="true" |
|  | android:dataExtractionRules="@xml/data\_extraction\_rules" |
|  | android:fullBackupContent="@xml/backup\_rules" |
|  | android:icon="@mipmap/ic\_launcher" |
|  | android:label="@string/app\_name" |
|  | android:supportsRtl="true" |
|  | android:theme="@style/Theme.OwlApplication" |
|  | tools:targetApi="31"> |
|  | <activity |
|  | android:name=".RegisterActivity" |
|  | android:exported="false" |
|  | android:label="@string/title\_activity\_register" |
|  | android:theme="@style/Theme.OwlApplication" /> |
|  | <activity |
|  | android:name=".MainActivity" |
|  | android:exported="false" |
|  | android:label="MainActivity" |
|  | android:theme="@style/Theme.OwlApplication" /> |
|  | <activity |
|  | android:name=".MainActivity5" |
|  | android:exported="false" |
|  | android:label="@string/title\_activity\_main5" |
|  | android:theme="@style/Theme.OwlApplication" /> |
|  | <activity |
|  | android:name=".MainActivity4" |
|  | android:exported="false" |
|  | android:label="@string/title\_activity\_main4" |
|  | android:theme="@style/Theme.OwlApplication" /> |
|  | <activity |
|  | android:name=".MainActivity3" |
|  | android:exported="false" |
|  | android:label="@string/title\_activity\_main3" |
|  | android:theme="@style/Theme.OwlApplication" /> |
|  | <activity |
|  | android:name=".MainActivity2" |
|  | android:exported="false" |
|  | android:label="@string/title\_activity\_main2" |
|  | android:theme="@style/Theme.OwlApplication" /> |
|  | <activity |
|  | android:name=".LoginActivity" |
|  | android:exported="true" |
|  | android:label="@string/app\_name" |
|  | android:theme="@style/Theme.OwlApplication"> |
|  | <intent-filter> |
|  | <action android:name="android.intent.action.MAIN" /> |
|  |  |
|  | <category android:name="android.intent.category.LAUNCHER" /> |
|  | </intent-filter> |
|  | </activity> |
|  | </application> |
|  |  |
|  | </manifest> |

https://github.com/smartinternz02/Owl-M-A-Material-Design-Study-App