

SM ProjectOne Version control vivo V2207 app : To CA ES LS Q S G - X

Android app manifests kotlin+java com.example.projectone ui.theme AppDatabase LoginActivity.kt MainActivity.kt RegisterActivity.kt TimeDatabaseHelper.kt TimeLog TimeLogDao TrackActivity.kt User UserDao UserDatabase UserDatabaseHelper com.example.projectone (androidTest) com.example.projectone (test) java (generated) res

UserDao.kt

```
1 package com.example.projectone
2
3 import androidx.room.*
4
5 @Dao
6 interface UserDao {
7
8     @Query("SELECT * FROM user_table WHERE email = :email")
9     suspend fun getUserByEmail(email: String): User?
10
11     @Insert(onConflict = OnConflictStrategy.REPLACE)
12     suspend fun insertUser(user: User)
13
14     @Update
15     suspend fun updateUser(user: User)
16
17     @Delete
18     suspend fun deleteUser(user: User)
19 }
20
```

Run app :

2024-11-14 16:45:41: Launching app on 'vivo V2207'.
Starting: Intent { act=android.intent.action.MAIN cat=[android.intent.category.LAUNCHER] cmp=com.example.projectone/.LoginActivity }

[Open logcat panel for vivo V2207 \(10BCB90AS4001DS\)](#)

Connected to process 19620 on device 'vivo-v2207-10BCB90AS4001DS'.

Sleep-tracking-main > app > src > main > java > com > example > projectone > UserDao 6:11 CRLF UTF-8 4 spaces

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Android app manifests kotlin+java com.example.projectone ui.theme AppDatabase LoginActivity.kt MainActivity.kt RegisterActivity.kt TimeDatabaseHelper.kt TimeLog TimeLogDao TrackActivity.kt User UserDao UserDatabase UserDatabaseHelper com.example.projectone (androidTest) com.example.projectone (test) java (generated) res

UserDatabaseHelper.kt

```
1 package com.example.projectone
2
3 > import ...
4
5
6 class UserDatabaseHelper(context: Context) :
7     SQLiteOpenHelper(context, DATABASE_NAME, factory: null, DATABASE_VERSION) {
8
9     companion object {
10         private const val DATABASE_VERSION = 1
11         private const val DATABASE_NAME = "UserDatabase.db"
12
13         private const val TABLE_NAME = "user_table"
14         private const val COLUMN_ID = "id"
15         private const val COLUMN_FIRST_NAME = "first_name"
16         private const val COLUMN_LAST_NAME = "last_name"
17         private const val COLUMN_EMAIL = "email"
18         private const val COLUMN_PASSWORD = "password"
19     }
20
21     override fun onCreate(db: SQLiteDatabase?) {
22         val createTable = "CREATE TABLE $TABLE_NAME (" +
23             "$COLUMN_ID INTEGER PRIMARY KEY AUTOINCREMENT, " +
24             "$COLUMN_FIRST_NAME TEXT, " +
25             "$COLUMN_LAST_NAME TEXT, " +
26             "$COLUMN_EMAIL TEXT, " +
27             "$COLUMN_PASSWORD TEXT"
28     }
29 }
```

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Sleep-tracking-main > app > src > main > java > com > example > projectone > UserDatabaseHelper > companion object > TABLE_NAME 17:52 CRLF UTF-8 4 spaces

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Android app manifests kotlin+java com.example.projectone ui.theme AppDatabase LoginActivity.kt MainActivity.kt RegisterActivity.kt TimeDatabaseHelper.kt TimeLog TimeLogDao TrackActivity.kt User UserDao UserDatabase UserDatabaseHelper com.example.projectone (androidTest) com.example.projectone (test) java (generated) res

AppDatabase.kt

```
1 package com.example.projectone
2
3 > import ...
7
8 @Database(entities = [TimeLog::class], version = 1, exportSchema = false)
9 abstract class AppDatabase : RoomDatabase() {
10
11     abstract fun timeLogDao(): TimeLogDao
12
13     companion object {
14         private var INSTANCE: AppDatabase? = null
15
16         fun getDatabase(context: Context): AppDatabase {
17             val tempInstance = INSTANCE
18             if (tempInstance != null) {
19                 return tempInstance
20             }
21             synchronized(lock: this) {
22                 val instance = Room.databaseBuilder(
23                     context.applicationContext,
24                     AppDatabase::class.java,
25                     name: "app_database"
26                 ).build()
27             }
28         }
29     }
30 }
```

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TimeDatabaseHelper.kt

```
1 package com.example.projectone
2
3 > import ...
10
11 class TimeLogDatabaseHelper(context: Context) : SQLiteOpenHelper(context, DATABASE_NAME, factory: null, DATABASE_VERSION)
12     companion object {
13         private const val DATABASE_NAME = "timelog.db"
14         private const val DATABASE_VERSION = 1
15         const val TABLE_NAME = "time_logs"
16         private const val COLUMN_ID = "id"
17         const val COLUMN_START_TIME = "start_time"
18         const val COLUMN_END_TIME = "end_time"
19
20         // Database creation SQL statement
21         private const val DATABASE_CREATE =
22             "create table $TABLE_NAME ($COLUMN_ID integer primary key autoincrement, " +
23             "$COLUMN_START_TIME integer not null, $COLUMN_END_TIME integer);"
24     }
25
26     override fun onCreate(db: SQLiteDatabase?) {
27         db?.execSQL(DATABASE_CREATE)
28     }
29 }
```

Run app :

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Sleep-tracking-main > app > src > main > java > com > example > projectone > TimeDatabaseHelper.kt 1:1 CRLF UTF-8 4 spaces

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SM ProjectOne Version control vivo V2207 app : To CA 3

Android app manifests kotlin+java com.example.projectone ui.theme AppDatabase LoginActivity.kt MainActivity.kt RegisterActivity.kt TimeDatabaseHelper.kt TimeLog TimeLogDao TrackActivity.kt User UserDao UserDatabase UserDatabaseHelper com.example.projectone (androidTest) com.example.projectone (test) java (generated) res

MainActivity.kt

```
1 package com.example.projectone
2 > import ...
3
4 </> class MainActivity : ComponentActivity() {
5
6     private lateinit var databaseHelper: TimeLogDatabaseHelper
7
8     override fun onCreate(savedInstanceState: Bundle?) {
9         super.onCreate(savedInstanceState)
10        databaseHelper = TimeLogDatabaseHelper(context: this)
11        databaseHelper.deleteAllData()
12
13        setContent {
14            ProjectOneTheme {
15                // A surface container using the 'background' color from the theme
16                Surface(
17                    modifier = Modifier.fillMaxSize(),
18                    color = MaterialTheme.colors.background
19                ) {
20                    MyScreen(context: this, databaseHelper)
21                }
22            }
23        }
24    }
25
26 }
```

Run app :

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Android app manifests 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="SleepTracking"
        android:supportsRtl="true"
        android:theme="@style/Theme.ProjectOne"
        tools:targetApi="31">

        <activity
            android:name=".TrackActivity"
            android:exported="false"
            android:label="TrackActivity"
            android:theme="@style/Theme.ProjectOne" />

        <activity
            android:name=".MainActivity"
            android:exported="false" />
    
```

Text Merged Manifest

Run app :

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```

Open logcat panel for vivo V2207 (10BCB90AS4001DS)

Connected to process 19620 on device 'vivo-v2207-10BCB90AS4001DS'.

 build.gradle (:app) ×

- You can use the Project Structure dialog to view and edit your project configuration

[Open \(Ctrl+Alt+Shift+S\)](#) Hide notification

Android

- java (generated)
- res
 - drawable
 - ic_launcher_background.xml
 - ic_launcher_foreground.xml (v24)
 - sleep.png (nodpi)
 - sleepicon.png (nodpi)
 - sleeptracking.jpg (nodpi)
 - mipmap
 - values
 - xml
- res (generated)

Gradle Scripts

- build.gradle (Project: ProjectOne)
- build.gradle (Module :app)
- proguard-rules.pro (ProGuard Rules for ":app")
- gradle.properties (Project Properties)
- gradle-wrapper.properties (Gradle Version)
- local.properties (SDK Location)
- settings.gradle (Project Settings)

Run app ×


```
2024-11-14 16:45:41: Launching app on 'vivo V2207'.
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```

[Open logcat panel for vivo V2207 \(10BCB90AS400\)](#)

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□ Sleep-tracking-main > □ app > 🐛 build.gradle

:1 LF UTF-8 4 spaces

- Android
- java (generated)
- res
 - drawable
 - ic_launcher_background.xml
 - ic_launcher_foreground.xml (v24)
 - sleep.png (nodpi)
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 - sleeptracking.jpg (nodpi)
 - mipmap
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 - xml
 - res (generated)
- Gradle Scripts
 - build.gradle (Project: ProjectOne)
 - build.gradle (Module :app) ■
 - proguard-rules.pro (ProGuard Rules for ":app")
 - gradle.properties (Project Properties)
 - gradle-wrapper.properties (Gradle Version)
 - local.properties (SDK Location)
 - settings.gradle (Project Settings)

build.gradle (:app) ×

You can use the Project Structure dialog to view and edit your project configuration

Open (Ctrl+Alt+Shift+S) Hide notification

```
47
48
49 dependencies {
50
51     implementation 'androidx.core:core-ktx:1.7.0'
52     implementation 'androidx.lifecycle:lifecycle-runtime-ktx:2.3.1'
53     implementation 'androidx.activity:activity-compose:1.3.1'
54     implementation "androidx.compose.ui:ui:$compose_ui_version"
55     implementation "androidx.compose.ui:ui-tooling-preview:$compose_ui_version"
56     implementation 'androidx.compose.material:material:1.2.0'
57     implementation 'androidx.room:room-common:2.5.0'
58     implementation 'androidx.room:room-ktx:2.5.0'
59     testImplementation 'junit:junit:4.13.2'
60     androidTestImplementation 'androidx.test.ext:junit:1.1.5'
61     androidTestImplementation 'androidx.test.espresso:espresso-core:3.5.1'
62     androidTestImplementation "androidx.compose.ui:ui-test-junit4:$compose_ui_version"
63     debugImplementation "androidx.compose.ui:ui-tooling:$compose_ui_version"
64     debugImplementation "androidx.compose.ui:ui-test-manifest:$compose_ui_version"
65 }
```