



Experiment – 3.4

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Subject Name: MAD Lab

UID: 21BCS5712
Section: NTPP_CC-601-A
Subject Code: 21CSH-355

Aim: Create an Android application for user registration that stores the user details in a database table

Objective:- The objective of an Android application for user registration that stores user details in a database table is to create a secure, efficient, and user-friendly registration system. This type of app is commonly developed for services that require user accounts, such as social media platforms, e-commerce applications, or any service where personalized user data needs to be stored.

1. CODE:

XML:-

```
<?xmlversion="1.0" encoding="utf-8"?>
```

```
<LinearLayout
```

```
xmlns:android="http://schemas.android.com/apk/res/and
```

```
roid" xmlns:tools="http://schemas.android.com/tools"
```

```
android:layout_width="match_parent"
```

```
android:layout_height="match_parent"
```

```
android:orientation="vertical"
```

```
tools:context=".MainActivity">
```

```
<!--Edit text to enter course name-->
```



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<EditText

```
    android:id="@+id/idEdtCourseName"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:hint="Enter course Name"
/>
```

<Button

```
    android:id="@+id/idBtnAddCourse"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_margin="10dp"
    android:text="Add Course"
    android:textAllCaps="false" />
```



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</LinearLayout>

```
JavaCode:public class DBHandler extends
SQLiteOpenHelper { private static final String DB_NAME
= "coursedb"; private static final int DB_VERSION = 1;
private static final String TABLE_NAME = "mycourses";
private static final String ID_COL = "id" private static
final String NAME_COL = "name" private static final
String DURATION_COL = "duratio private static final
String DESCRIPTION_COL = "description"; private static
final String TRACKS_COL = "tracks"; public
DBHandler(Context context)
{ super(context, DB_NAME, null,
DB_VERSION)
}
@Override
public void onCreate(SQLiteDatabase db) {
String query = "CREATE TABLE " + TABLE_NAME + " ("
+ ID_COL + " INTEGER PRIMARY KEY AUTOINCREMENT,
"
```



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```
+ NAME_COL + " TEXT," + DURATION_COL + " TEXT,"  
+ DESCRIPTION_COL + " TEXT,"  
+ TRACKS_COL + " TEXT)";  
  
db.execSQL(query);
```

```
public void addNewCourse(String courseName, String courseDuration, String  
courseDescription, String courseTracks) {
```

```
    // as we are writing data in our database.
```

```
    SQLiteDatabase db =
```

```
    this.getWritableDatabase();    ContentValues
```

```
    values = new ContentValues();
```

```
    values.put(NAME_COL, courseName);
```

```
    values.put(DURATION_COL, courseDuration
```

```
    values.put(DESCRIPTION_COL,
```

```
    courseDescription);    values.put(TRACKS_COL,
```

```
    courseTracks); // after adding all values we are
```

```
    passing db.insert(TABLE_NAME, null, values);
```

```
    db.close();
```

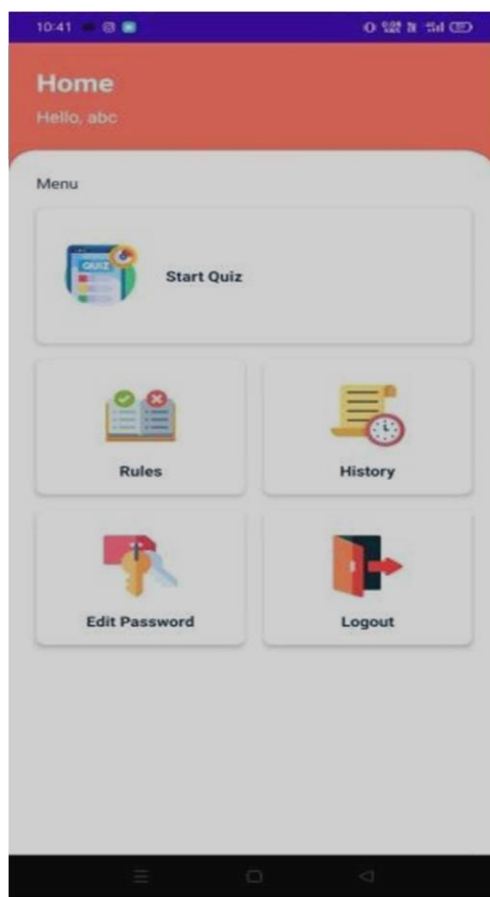
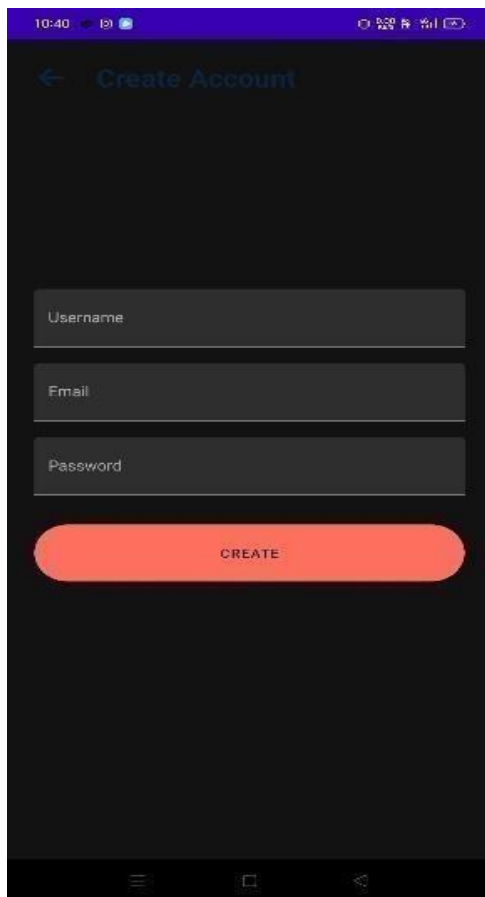
```
}
```

```
@Override
```

```
public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
```

```
// this method is called to check if the table exists  
already. db.execSQL("DROP TABLE IF EXISTS " +  
TABLE_NAME); onCreate(db);  
  
}  
  
}
```

2. OUTPUT:



3. Learning Outcomes:

- Successful USE of your Android development environment.
- Project Workspace.
- Configuration button Completion.
- How to add new layouts