

643020395-9 นายพรภวิชัย ทยมใหม่ IT(ปกติ)

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter Student Information"
        android:textSize="20dp"
        android:layout_margin="15dp"
        android:textColor="@color/black" />

    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="350dp"
        android:layout_height="wrap_content"
        style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
        android:hint="Student ID"
        android:layout_marginLeft="20dp"
        android:layout_marginBottom="10dp">

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/editText_id"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:inputType="text"
            android:textSize="20sp"/>

    </com.google.android.material.textfield.TextInputLayout>

    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="350dp"
        android:layout_height="wrap_content"
        style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
        android:hint="Student Name"
        android:layout_marginLeft="20dp"
        android:layout_marginBottom="10dp">

        <com.google.android.material.textfield.TextInputEditText
            android:id="@+id/editText_name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:inputType="text"
            android:textSize="20dp"
            />

    </com.google.android.material.textfield.TextInputLayout>

    <com.google.android.material.textfield.TextInputLayout
        android:layout_width="350dp"
        android:layout_height="wrap_content"
        style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
```

```

        android:hint="Subject"
        android:layout_margin="20dp"
        android:layout_marginBottom="10dp">
        <AutoCompleteTextView
            android:id="@+id/autoCompleteTextview"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:layout_weight="1"
            android:inputType="none"
            android:textSize="18sp"
            android:text="Select Subject"/>
    </com.google.android.material.textfield.TextInputLayout>
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Class Time"
        android:textSize="20sp"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="20dp"/>
    <androidx.appcompat.widget.AppCompatButton
        android:id="@+id/btn_Time"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Select Time"
        android:layout_marginLeft="20dp"
        android:onClick="showTimePickerDialog"/>
    <androidx.appcompat.widget.AppCompatTextView
        android:id="@+id/text_time"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:textSize="20sp"
        android:text="__ : __"
        android:layout_marginLeft="25dp"/>
    <RelativeLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginLeft="20dp"
        android:layout_marginTop="10dp">
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/btn_show"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="20sp"
            android:padding="10dp"
            android:text="Show Detail"
            android:background="#73EF78"
            android:textAllCaps="false"
            android:onClick="showDetail"/>
        <androidx.appcompat.widget.AppCompatButton
            android:id="@+id/btn_reset"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:textSize="20sp"
            android:text="Reset"
            android:background="#F44336"
            android:layout_toRightOf="@id/btn_show"
            android:textAllCaps="false"

```

```

        android:layout_marginLeft="20dp"
        android:onClick="Reset"/>
    </RelativeLayout>
    <TextView
        android:id="@+id/text_show"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:textSize="20sp"
        android:layout_marginLeft="20dp"
        android:text="Show Detail"/>
</LinearLayout>

```

String.xml

```

<resources>
    <string name="app_name">Lab4UI</string>
    <string-array name="subjectName_array">
        <item>SC362007 Mobile Device Programming</item>
        <item>SC362003 Web Application Programing</item>
        <item>SC362005 Database Analysis and Design</item>
    </string-array>
</resources>

```

Dropdown_item.xml

```

<TextView xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:padding="15dp"
    android:textSize="17sp"
    android:textStyle="bold"
    android:layout_weight="1"
    android:text="TextView"/>

```

MainActivvity.kt

```

package com.example.lab4ui

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.renderscript.ScriptGroup.Binding

```

```

import android.view.LayoutInflater
import android.view.View
import android.widget.AdapterView
import android.widget.Toast
import com.example.lab4ui.databinding.ActivityMainBinding

class MainActivity : AppCompatActivity() {

    private lateinit var binding: ActivityMainBinding
    var subject :String=""

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        binding = ActivityMainBinding.inflate(layoutInflater)
        setContentView(binding.root)
        showDropdown()
    }
    private fun showDropdown() {
        binding.autoCompleteTextview.setText("Select Subject")
        val sub = resources.getStringArray(R.array.subjectName_array)
        val arrayAdapter = ArrayAdapter(this,R.layout.dropdown_item,sub)
        binding.autoCompleteTextview.setAdapter(arrayAdapter)

        binding.autoCompleteTextview.setOnItemClickListener { parent, _,
position, _ ->
            subject = parent.getItemAtPosition(position) as String
            //Show Toast
            Toast.makeText(applicationContext, subject,
Toast.LENGTH_LONG).show()
        }
    }
    fun showTimePickerDailog(v: View){
        val newTimeFragment = TimePickerFragment()
        newTimeFragment.show(supportFragmentManager,"Time Picker")
    }
    fun showDetail(v: View){
        binding.textShow.text = "ID: ${binding.editTextId.text}\n" +
            "Name: ${binding.editTextName.text}\n" +
            "Subject: $subject\nTime: ${binding.textTime.text}"
    }
    fun reset(v: View){
        binding.editTextId.text?.clear()
        binding.editTextName.text?.clear()
        showDropdown()
        binding.autoCompleteTextview.clearFocus()
        binding.textTime.text="_:_:__"
        binding.textShow.text="Show Detail"
    }
}

```

TimePickerFragment.kt

```

package com.example.lab4ui

import android.app.Dialog
import android.app.TimePickerDialog
import android.content.DialogInterface
import android.os.Bundle
import android.widget.TextView
import android.widget.TimePicker
import android.widget.Toast
import androidx.fragment.app.DialogFragment
import java.util.Calendar

class TimePickerFragment :
    DialogFragment(), TimePickerDialog.OnTimeSetListener{
    override fun onCreateDialog(savedInstanceState: Bundle?): Dialog {
        val c = Calendar.getInstance()
        val hour = c.get(Calendar.HOUR_OF_DAY)
        val minute = c.get(Calendar.MINUTE)
        return super.onCreateDialog(savedInstanceState)
    }

    override fun onCancel(dialog: DialogInterface) {
        Toast.makeText(activity, "Please select a
time.", Toast.LENGTH_LONG).show()
        super.onCancel(dialog)
    }

    override fun onTimeSet(view: TimePicker?, hourOfDay: Int, minute: Int) {
        val minuteNew : String = if (minute<10) "0${minute.toString()}" else
minute.toString()
        requireActivity().findViewById<TextView>(R.id.text_time).text =
"$hourOfDay:$minuteNew"
    }
}

```

