# Instructions: VIT-AP UNIVERSITY, ANDHRA PRADESH

Lab Sheet 6: Time picker, Date Picker

Branch/ Class: B. Tech

Academic year: 2021-2022

Semester: Fall

Faculty Name: Dr. K.Rajesh

Date: 21-10-2022

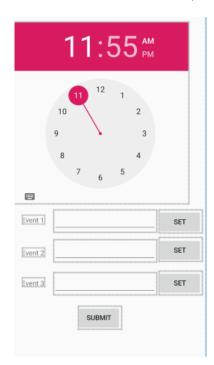
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1.Deagin an app to schedule three events. Add time picker to the App, choose time and when click set, display the time in the respective event.



2. Design an App for a Dialog based TimePicker.

Event 1	SET
Event 2	SET
Event 3	SET

When ever SET button is clicked a timepicker should pop on choosing the date, it should set the date in the EditText and disappear.

Code:

## MainActivity.java:

```
oackage com.example.timepicker;
   TimePicker tp;
   protected void onCreate(Bundle savedInstanceState) {
       tp.setOnTimeChangedListener( new TimePicker.OnTimeChangedListener()
           public void onTimeChanged (TimePicker view, int hourOfDay, int
               date = String.valueOf(hourOfDay).toString() + ":" +
                       String.valueOf(minute).toString();
       timebtn1.setOnClickListener(new View.OnClickListener() {
           public void onClick(View view) {
```

### activity\_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"</pre>
```

```
<TimePicker
<TextView
<EditText
   android:ems="10"
<TextView
   android:fontFamily="sans-serif-black"
```

```
app:layout constraintTop toTopOf="parent" />
<EditText
   android:ems="10"
   android:inputType="textPersonName"
```

#### Gradle:

```
plugins {
    id 'com.android.application'
}

android {
    namespace 'com.example.journaldev.timepicker'
    compileSdk 32

defaultConfig {
        applicationId "com.example.journaldev.timepicker"
        minSdk 21
        targetSdk 32
        versionCode 1
```

```
versionName "1.0"
```

#### output:



### 2. Similarly set 3 dates.

#### Code:

MainActivity.java

```
protected void onCreate(Bundle savedInstanceState) {
        public void onSelectedDayChange (CalendarView view, int year,
            dd = String.valueOf(dayOfMonth);
            yy = String.valueOf(year);
```

activity main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
       android:inputType="textPersonName"
       app:layout constraintTop toTopOf="parent" />
       app:layout constraintTop toTopOf="parent" />
   <TextView
   <EditText
       android:ems="10"
```

```
android:id="@+id/datebtn2
<EditText
   android:ems="10"
<TextView
   app:layout constraintTop toTopOf="parent" />
<CalendarView
```

#### Gradle:

```
plugins {
    id 'com.android.application'
}
android {
    namespace 'com.example.journaldev.timepicker'
    compileSdk 32

    defaultConfig {
        applicationId "com.example.journaldev.timepicker"
        minSdk 21
```

```
targetSdk 32
    versionCode 1
    versionName "1.0"

    testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
}

buildTypes {
    release {
        minifyEnabled false
        proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'), 'proguard-rules.pro'
    }
} compileOptions {
        sourceCompatibility JavaVersion.VERSION_1_8
        targetCompatibility JavaVersion.VERSION_1_8
}
}
dependencies {
    implementation 'androidx.appcompat:appcompat:1.5.1'
    implementation 'com.google.android.material:material:1.6.1'
    implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
    implementation 'androidx.leanback:leanback:1.0.0'
    implementation 'com.google.android.material:material:1.3.0-alpha04'
    testImplementation 'junit:junit:4.13.2'
    androidTestImplementation 'androidx.test.ext:junit:1.1.3'
    androidTestImplementation 'androidx.test.ext:gunit:1.1.3'
androidTestImplementation 'androidx.test.ext:gunit:1.1.3'
androidTestImplementation 'androidx.test.ext.ext:gunit:1.1.3'
```

#### output:

