

## CSE- 4002 LAB-8 Assignment

Academic year: 2020-2021 Semester: WIN

Faculty Name: Dr. Prabha Selvaraj Mam Date: 9 /11//2021

Student name: Taran Mamidala Reg. no.: 19BCE7346

# Working on chip buttons

Design an app that creates dynamic adding and removing of chip buttons. **CODE:** 

#### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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"
   tools:context=".MainActivity">
  <Button
       android:id="@+id/b1"
       android:layout width="wrap content"
       android: layout height="wrap content"
       android:layout_marginStart="75dp"
       android:layout marginBottom="137dp"
       android:backgroundTint="#25F635"
       android: text="create"
       android:textColor="#4E342E"
       app:layout constraintBottom toBottomOf="parent"
       app:layout constraintStart toStartOf="parent"
       app:rippleColor="#3AA843" />
   <Button
       android:id="@+id/b2"
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:layout_marginEnd="59dp"
       android:backgroundTint="#FA3F2E"
       android: text="delete"
       app:layout constraintBottom toBottomOf="@+id/b1"
       app:layout_constraintEnd_toEndOf="parent"
```



```
app:layout_constraintTop_toTopOf="@+id/b1" />
   <com.google.android.material.chip.ChipGroup</pre>
       android:id="@+id/chipgroup"
       android:layout_width="307dp"
       android:layout height="308dp"
       android:layout marginStart="44dp"
       android:layout marginTop="130dp"
       app:layout constraintStart toStartOf="parent"
       app:layout constraintTop toTopOf="parent">
   </com.google.android.material.chip.ChipGroup>
   <TextView
       android:id="@+id/textView2"
       android:layout width="wrap content"
       android:layout_height="wrap_content"
       android:layout marginStart="166dp"
       android:layout marginTop="44dp"
       android:layout marginEnd="187dp"
       android: text="19BCE7346"
       android: textColor="#FF6F00"
       android: textSize="20sp"
       android:textStyle="bold"
       app:layout constraintEnd toEndOf="parent"
       app:layout_constraintStart_toStartOf="parent"
       app:layout constraintTop toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## MainActivity.java

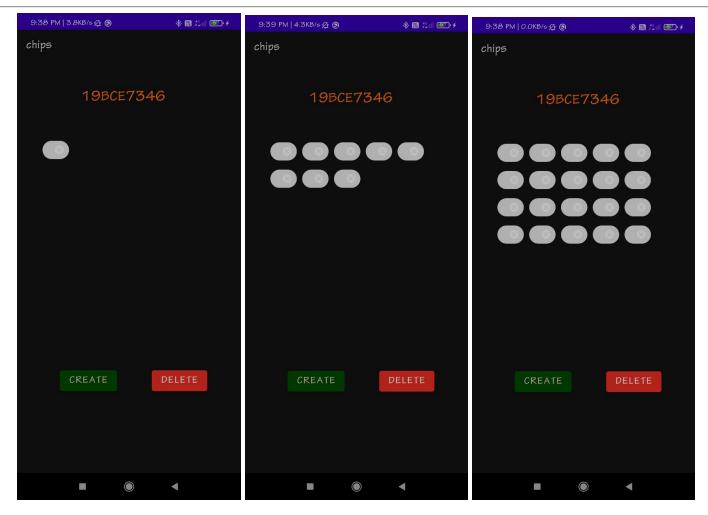
```
package com.example.chips;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import com.google.android.material.chip.Chip;
import com.google.android.material.chip.ChipGroup;
public class MainActivity extends AppCompatActivity {
  Button b1,b2;
   ChipGroup c;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main);
       b1 = findViewById(R.id.b1);
       b2 = findViewById(R.id.b2);
       c = findViewById(R.id.chipgroup);
```



```
b1.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Chip chip = new Chip (MainActivity.this);
            chip.setCloseIconVisible(true);
            c.addView(chip);
            chip.setOnCloseIconClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    c.removeView(chip);
                }
            });
            b2.setOnClickListener(new View.OnClickListener() {
                @Override
                public void onClick(View v) {
                    c.removeView(chip);
                }
            });
        }
    });
}
```

# **Output:**





Design an App for the Gmail header. Whenever the user enters an email in the "To" section create a chip button with a photo and the email. It should also contain a close button to remove the chip button.

#### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"
    tools:context=".MainActivity">

<EditText
    android:id="@+id/from"
    android:layout_width="235dp"</pre>
```



```
android:layout height="46dp"
    android:layout marginTop="68dp"
    android:ems="10"
    android:hint="From"
    android:inputType="textEmailAddress"
    android: textSize="16sp"
    app:layout constraintEnd toEndOf="@+id/to"
    app:layout constraintHorizontal bias="0.0"
    app:layout constraintStart toStartOf="@+id/to"
    app:layout constraintTop toTopOf="parent"
    tools:ignore="TouchTargetSizeCheck" />
<EditText
    android:id="@+id/to"
    android:layout width="186dp"
    android:layout height="46dp"
    android:layout_marginTop="224dp"
    android:layout marginEnd="16dp"
    android: ems = "10"
    android:hint="To"
    android:inputType="textEmailAddress"
    android: textSize="16sp"
    app:layout constraintEnd toStartOf="@+id/b"
    app:layout constraintTop toTopOf="parent"
    tools:ignore="TouchTargetSizeCheck" />
<EditText
    android:id="@+id/subject"
    android:layout width="239dp"
    android:layout height="47dp"
    android:layout marginStart="4dp"
    android:layout marginTop="104dp"
    android:ems="10"
    android:hint="subject"
    android:inputType="textPersonName"
    android:textSize="16sp"
    app:layout constraintStart toStartOf="@+id/to"
    app:layout constraintTop toBottomOf="@+id/to"
    tools:ignore="TouchTargetSizeCheck" />
<Button
    android:id="@+id/b"
    android:layout width="90dp"
    android:layout height="57dp"
    android:layout marginEnd="44dp"
    android:backgroundTint="#FF6F00"
    android:text="Click"
    android: textColor="#0B0A0A"
    app:layout constraintBaseline toBaselineOf="@+id/to"
    app:layout_constraintEnd_toEndOf="parent" />
<com.google.android.material.chip.ChipGroup</pre>
    android:id="@+id/chipgr"
    android:layout width="180dp"
    android:layout height="61dp"
    android:layout marginStart="32dp"
    android:layout marginTop="50dp"
```



```
android:layout_marginBottom="48dp"
       android:background="@color/white"
       app:chipSpacingHorizontal="10dp"
       app:layout constraintBottom toBottomOf="@+id/b"
       app:layout constraintEnd toEndOf="@+id/to"
       app:layout constraintHorizontal bias="1.0"
       app:layout constraintStart toStartOf="@+id/to"
       app:layout constraintTop toBottomOf="@+id/from"
       app:layout constraintVertical bias="0.0">
   </com.google.android.material.chip.ChipGroup>
   <EditText
       android:id="@+id/msg"
       android:layout width="273dp"
       android:layout_height="139dp"
       android:layout_marginStart="102dp"
       android:layout_marginEnd="100dp"
       android:layout marginBottom="140dp"
       android:ems="10"
       android:gravity="start|top"
       android:hint="Message"
       android:inputType="textMultiLine"
       app:layout constraintBottom toBottomOf="parent"
       app:layout constraintEnd toEndOf="parent"
       app:layout constraintStart toStartOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

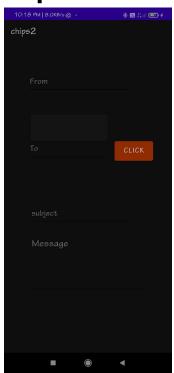
## MainActivity.java

```
package com.example.chips2;
import androidx.annotation.DrawableRes;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import com.google.android.material.chip.Chip;
import com.google.android.material.chip.ChipGroup;
public class MainActivity extends AppCompatActivity {
   Button b1;
   EditText e1,e2,e3,e4;
  private ChipGroup c;
   @Override
  protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main);
       b1 = findViewById(R.id.b);
```



```
e1 = findViewById(R.id.from);
       e2 = findViewById(R.id.to);
       e3 = findViewById(R.id.msg);
       e4 = findViewById(R.id.subject);
       c = findViewById(R.id.chipgr);
       b1.setOnClickListener(new View.OnClickListener() {
           @Override
           public void onClick(View v) {
               Chip chip = new Chip (MainActivity.this);
               c.addView(chip);
               chip.setText(e2.getText());
chip.setChipIcon(getDrawable(android.R.drawable.ic_menu_gallery));
               e2.setText(null);
               chip.setCloseIconVisible(true);
               chip.setOnCloseIconClickListener(new View.OnClickListener() {
                   @Override
                   public void onClick(View v) {
                       c.removeView(chip);
               });
       });
   }
}
```

## **Output:**







### Taran

