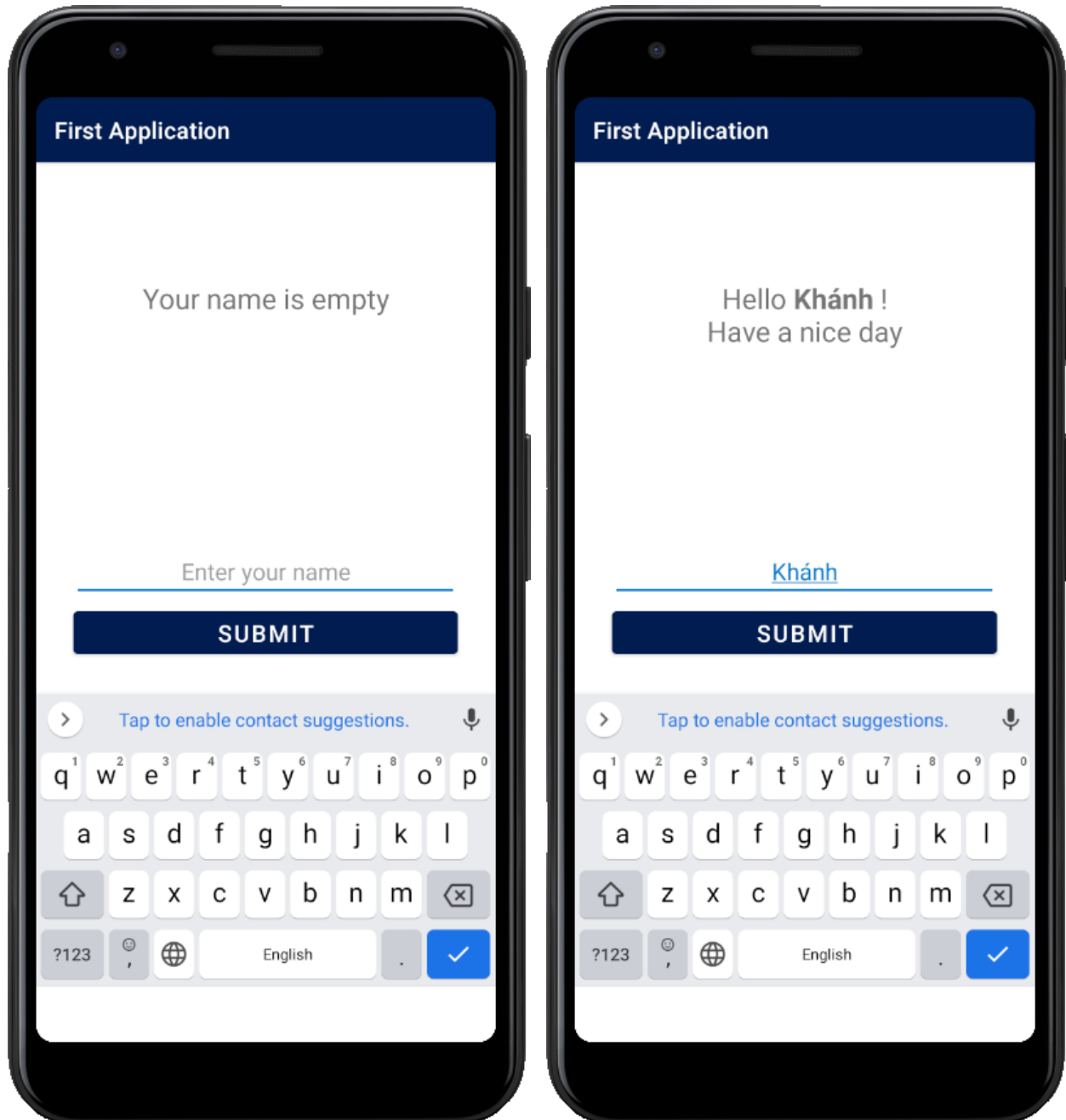


LÂM QUỐC KHÁNH -18110304

Ứng dụng gồm 1 edit text (id là *editTextName*) để nhập tên, 1 button submit (id là *btnSubmit*), 1 textview hiển thị (id là *textViewResult*)

Khi người dùng không nhập tên mà bấm nút submit thì textview hiển thị "Your name is empty", còn khi nhập tên vào thì hiển thị một lời chào và lời chúc trên text view. Do khi dùng hàm setText() cho text view dùng html code để in đậm tên người nhập vào.



Code giao diện

```
<?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">

    <TextView
        android:id="@+id/textViewResult"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="24dp"
        android:layout_marginTop="100dp"
        android:layout_marginEnd="24dp"
        android:textAlignment="center"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        android:textColor="@color/light_blue"
        android:textSize="24sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <EditText
        android:id="@+id/editTextName"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginEnd="32dp"
        android:layout_marginBottom="2dp"
        android:ems="10"
        android:hint="@string/edit_text_name_hint"
        android:inputType="textPersonName"
        android:textAlignment="center"
        android:textAllCaps="false"
        android:textColor="@color/light_blue"
        android:textColorHighlight="@color/dark_blue"
        android:textColorLink="@color/dark_blue"
        android:textCursorDrawable="@color/dark_blue"
        android:textSize="20sp"
        app:layout_constraintBottom_toTopOf="@+id/guideline9"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="1.0"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/btnSubmit"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_marginStart="32dp"
        android:layout_marginTop="2dp"
        android:layout_marginEnd="32dp"
        android:text="@string/btn_submit_content"
        android:textSize="20sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="@+id/guideline9" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guideline9"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.5"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

Code xử lý

```
public class MainActivity extends AppCompatActivity {

    private TextView textViewResult;
    private EditText editTextName;
    private Button buttonSubmit;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        initView();
    }

    void initView() {
        textViewResult = findViewById(R.id.textViewResult);
        editTextName = findViewById(R.id.editTextName);
        buttonSubmit = findViewById(R.id.btnSubmit);

        buttonSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                buttonSubmitOnClick(v);
            }
        });
    }

    void buttonSubmitOnClick(View v) {
        String userInputName = String.valueOf(editTextName.getText()).trim();
        String message = "";
        if (userInputName.isEmpty()) {
            message = getResources().getString(R.string.empty_name_text);
        } else {
            message = getResources().getString(R.string.hello_text)
                + " <b style=\"color: #000;\">" + userInputName + " </b>!<br/>"
                + getResources().getString(R.string.message_text);
        }
        textViewResult.setText(Html.fromHtml(message));
    }
}
```

Thay đổi color của textview trong file xml

```
<TextView
    android:id="@+id/textViewResult"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_marginStart="24dp"
    android:layout_marginTop="100dp"
    android:layout_marginEnd="24dp"
    android:textAlignment="center"
    android:textAppearance="@style/TextAppearance.AppCompat.Display1"
    android:textColor="@color/light_blue"
    android:textSize="24sp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

