EXERCÍCIO 1

CLASSE:

package devandroid.diogoferreira.listadetarefas.model;  
  
public class Tarefa {  
 private String nomeTarefa;  
 private String descricaoTarefa;  
 private String data;  
  
 public Tarefa(String nomeTarefa, String descricaoTarefa, String data) {  
 this.nomeTarefa = nomeTarefa;  
 this.descricaoTarefa = descricaoTarefa;  
 this.data = data;  
 }  
  
 public String getNomeTarefa() {  
 return nomeTarefa;  
 }  
  
 public void setNomeTarefa(String nomeTarefa) {  
 this.nomeTarefa = nomeTarefa;  
 }  
  
 public String getDescricaoTarefa() {  
 return descricaoTarefa;  
 }  
  
 public void setDescricaoTarefa(String descricaoTarefa) {  
 this.descricaoTarefa = descricaoTarefa;  
 }  
  
 public String getData() {  
 return data;  
 }  
  
 public void setData(String data) {  
 this.data = data;  
 }  
  
 @Override  
 public String toString() {  
 return "Tarefa{" +  
 "nomeTarefa='" + nomeTarefa + '\'' +  
 ", descricaoTarefa='" + descricaoTarefa + '\'' +  
 ", data='" + data + '\'' +  
 '}';  
 }  
}

MAIN\_ACTIVITY:

package devandroid.diogoferreira.listadetarefas.view;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.util.Log;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ImageButton;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
  
import devandroid.diogoferreira.listadetarefas.R;  
import devandroid.diogoferreira.listadetarefas.model.Tarefa;  
  
public class MainActivity extends AppCompatActivity {  
 private final ArrayList<Tarefa> tarefas = new ArrayList<>();  
  
 EditText tarefaInput;  
 EditText descricaoInput;  
 EditText dateInput;  
  
 Button salvar;  
 Button limpar;  
 ImageButton encerrarApp;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 tarefaInput = findViewById(R.id.*tarefaInput*);  
 descricaoInput = findViewById(R.id.*descricaoInput*);  
 dateInput = findViewById(R.id.*dateInput*);  
  
 salvar = findViewById(R.id.*salvar*);  
 limpar = findViewById(R.id.*limpar*);  
 encerrarApp = findViewById(R.id.*encerrarApp*);  
  
 limpar.setOnClickListener(view -> clearFields());  
 salvar.setOnClickListener(view -> saveTask());  
 encerrarApp.setOnClickListener(view -> {  
 Toast.*makeText*(MainActivity.this, "Até logo!", Toast.*LENGTH\_LONG*).show();  
 finish();  
 });  
 }  
  
 private void clearFields(){  
 tarefaInput.setText("");  
 descricaoInput.setText("");  
 dateInput.setText("");  
 }  
  
 private void saveTask(){  
 String tarefaInputString = tarefaInput.getText().toString();  
 String descricaoInputString = descricaoInput.getText().toString();  
 String dateInputString = dateInput.getText().toString();  
 Tarefa novaTarefa;  
  
 if(tarefaInputString.equals("") || descricaoInputString.equals("") || dateInputString.equals("")){  
 Toast.*makeText*(MainActivity.this, "Verifique os campos e tente novamente.", Toast.*LENGTH\_LONG*).show();  
 } else {  
 novaTarefa = new Tarefa(tarefaInputString, descricaoInputString, dateInputString);  
 tarefas.add(novaTarefa);  
 clearFields();  
 Toast.*makeText*(MainActivity.this, "Usuário salvo com sucesso!", Toast.*LENGTH\_LONG*).show();  
 }  
  
 Log.*i*("POOAndroid", "Total: " + tarefas.size());  
 }  
}

TELA:

<?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"  
 android:background="#FFFFFF"  
 tools:context=".view.MainActivity">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fillViewport="true"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 tools:layout\_editor\_absoluteX="0dp">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <ImageButton  
 android:id="@+id/encerrarApp"  
 android:layout\_width="50dp"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#9F0000"  
 app:srcCompat="@android:drawable/ic\_menu\_close\_clear\_cancel"  
 tools:ignore="SpeakableTextPresentCheck,SpeakableTextPresentCheck"  
 android:contentDescription="@string/fechar" />  
  
 <TextView  
 android:id="@+id/mainTitle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/criar\_tarefa"  
 android:textAlignment="center"  
 android:textColor="#000000"  
 android:textSize="24sp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <CalendarView  
 android:id="@+id/calendarView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="304dp"  
 android:layout\_marginTop="4dp"  
 android:layout\_marginBottom="8dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.495"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/mainTitle" />  
  
 <Button  
 android:id="@+id/limpar"  
 android:layout\_width="150dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginEnd="16dp"  
 android:layout\_marginBottom="8dp"  
 android:backgroundTint="#E8D104"  
 android:text="@string/limpar"  
 android:textColor="#455A64"  
 app:icon="@android:drawable/ic\_menu\_delete" />  
  
 <TextView  
 android:id="@+id/tarefa"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:layout\_marginVertical="0dp"  
 android:text="@string/tarefa"  
 android:textColorHint="#757575"  
 tools:layout\_editor\_absoluteX="45dp"  
 tools:layout\_editor\_absoluteY="375dp" />  
  
 <EditText  
 android:id="@+id/tarefaInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:layout\_marginVertical="16dp"  
 android:ems="10"  
 android:hint="@string/placeholderTarefa"  
 android:importantForAutofill="no"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textColorHint="#757575"  
 tools:layout\_editor\_absoluteX="55dp"  
 tools:layout\_editor\_absoluteY="399dp" />  
  
 <TextView  
 android:id="@+id/descricao"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:layout\_marginVertical="0dp"  
 android:text="@string/descricao"  
 android:textColorHint="#757575"  
 tools:layout\_editor\_absoluteX="45dp"  
 tools:layout\_editor\_absoluteY="375dp" />  
  
 <EditText  
 android:id="@+id/descricaoInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="252dp"  
 android:layout\_marginHorizontal="16dp"  
 android:layout\_marginVertical="16dp"  
 android:ems="10"  
 android:gravity="start|top"  
 android:hint="@string/placeholderDescricao"  
 android:importantForAutofill="no"  
 android:inputType="textMultiLine"  
 android:textColorHint="#757575"  
 tools:ignore="TextContrastCheck"  
 tools:layout\_editor\_absoluteX="55dp"  
 tools:layout\_editor\_absoluteY="503dp" />  
  
 <TextView  
 android:id="@+id/date"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:layout\_marginVertical="0dp"  
 android:text="@string/data"  
 tools:layout\_editor\_absoluteX="45dp"  
 tools:layout\_editor\_absoluteY="375dp" />  
  
 <EditText  
 android:id="@+id/dateInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:layout\_marginVertical="16dp"  
 android:ems="10"  
 android:hint="@string/placeholderData"  
 android:importantForAutofill="no"  
 android:inputType="date"  
 android:textColorHint="#757575"  
 tools:layout\_editor\_absoluteX="64dp"  
 tools:layout\_editor\_absoluteY="613dp" />  
  
 <Button  
 android:id="@+id/salvar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:backgroundTint="#4CAF50"  
 android:text="@string/salvarbtn" />  
  
 </LinearLayout>  
 </ScrollView>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

EXERCÍCIO 2:

CLASSE:

package devandroid.diogoferreira.listadecompras.model;  
  
public class Item {  
 private String name;  
 private String quantity;  
 private String shop;  
  
 public Item(String name, String quantity, String shop) {  
 this.name = name;  
 this.quantity = quantity;  
 this.shop = shop;  
 }  
  
 public String getName() {  
 return name;  
 }  
  
 public void setName(String name) {  
 this.name = name;  
 }  
  
 public String getQuantity() {  
 return quantity;  
 }  
  
 public void setQuantity(String quantity) {  
 this.quantity = quantity;  
 }  
  
 public String getShop() {  
 return shop;  
 }  
  
 public void setShop(String shop) {  
 this.shop = shop;  
 }  
  
 @Override  
 public String toString() {  
 return "Item{" +  
 "name='" + name + '\'' +  
 ", quantity='" + quantity + '\'' +  
 ", shop='" + shop + '\'' +  
 '}';  
 }  
}

MAIN\_ACTIVITY:

package devandroid.diogoferreira.listadecompras;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.os.Bundle;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ImageButton;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
  
import devandroid.diogoferreira.listadecompras.model.Item;  
  
public class MainActivity extends AppCompatActivity {  
  
 private final ArrayList<Item> itens = new ArrayList<>();  
  
 TextView qtdTotalItens;  
  
 EditText itemInput;  
 EditText qtdInput;  
 EditText shopInput;  
  
 ImageButton closeApp;  
 Button clearBtn;  
 Button saveBtn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 qtdTotalItens = findViewById(R.id.*qtdTotalItens*);  
  
 itemInput = findViewById(R.id.*itemInput*);  
 qtdInput = findViewById(R.id.*qtdInput*);  
 shopInput = findViewById(R.id.*shopInput*);  
  
 closeApp = findViewById(R.id.*closeApp*);  
 clearBtn = findViewById(R.id.*clearBtn*);  
 saveBtn = findViewById(R.id.*saveBtn*);  
  
 clearBtn.setOnClickListener(view -> clearFields());  
 saveBtn.setOnClickListener(view -> saveTask());  
 closeApp.setOnClickListener(view -> {  
 Toast.*makeText*(MainActivity.this, "Itens salvos com sucesso!", Toast.*LENGTH\_LONG*).show();  
 finish();  
 });  
 }  
  
 private void clearFields(){  
 itemInput.setText("");  
 qtdInput.setText("");  
 shopInput.setText("");  
 }  
  
 @SuppressLint("DefaultLocale")  
 private void saveTask() {  
 String itemInputString = itemInput.getText().toString();  
 String qtdInputString = qtdInput.getText().toString();  
 String shopInputString = shopInput.getText().toString();  
 Item novoItem;  
  
 if (itemInputString.equals("") || (qtdInputString.equals("") || qtdInputString.equals("0")) || shopInputString.equals("")) {  
 Toast.*makeText*(MainActivity.this, "Verifique os campos e tente novamente.", Toast.*LENGTH\_LONG*).show();  
 } else {  
 novoItem = new Item(itemInputString, qtdInputString, shopInputString);  
 itens.add(novoItem);  
 clearFields();  
 Toast.*makeText*(MainActivity.this, "Item adicionado com sucesso!", Toast.*LENGTH\_LONG*).show();  
  
 qtdTotalItens.setText((String.*format*("(%d)", itens.size())));  
 }  
 }  
}

TELA:

<?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">  
  
 <ScrollView  
 android:id="@+id/scrollView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.0">  
  
 <LinearLayout  
 android:id="@+id/main"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical">  
  
 <LinearLayout  
 android:id="@+id/header"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="16dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/closeApp"  
 android:layout\_width="50dp"  
 android:layout\_height="match\_parent"  
 android:background="#FFFFFF"  
 android:contentDescription="@string/close\_app"  
 app:srcCompat="?attr/actionModeCloseDrawable"  
 app:tint="#000000"  
 tools:ignore="TouchTargetSizeCheck" />  
  
 <TextView  
 android:id="@+id/mainTitle"  
 android:layout\_width="322dp"  
 android:layout\_height="wrap\_content"  
 android:text="@string/lista\_de\_compras"  
 android:textAlignment="center"  
 android:textColor="#000000"  
 android:textSize="24sp" />  
  
 <Space  
 android:layout\_width="0dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1" />  
  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp" />  
  
 <LinearLayout  
 android:id="@+id/buttons"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:id="@+id/totalItens"  
 android:layout\_width="53dp"  
 android:layout\_height="36dp"  
 android:layout\_gravity="center|start"  
 android:layout\_marginVertical="6dp"  
 android:layout\_weight="1"  
 android:autoText="false"  
 android:background="#FFC107"  
 android:gravity="center"  
 android:text="@string/total\_de\_itens"  
 android:textAlignment="textEnd"  
 android:textColor="#000000"  
 tools:ignore="Deprecated,RtlCompat,TextViewEdits" />  
  
 <TextView  
 android:id="@+id/qtdTotalItens"  
 android:layout\_width="10dp"  
 android:layout\_height="match\_parent"  
 android:layout\_marginVertical="6dp"  
 android:layout\_marginStart="0dp"  
 android:layout\_weight="1"  
 android:background="#FFC107"  
 android:gravity="center"  
 android:paddingStart="4dp"  
 android:text="@string/\_0"  
 android:textAlignment="textStart"  
 android:textColor="#000000"  
 tools:ignore="RtlCompat" />  
  
 <Space  
 android:layout\_width="6dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1" />  
  
 <Button  
 android:id="@+id/clearBtn"  
 android:layout\_width="80dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:backgroundTint="#9A0000"  
 android:maxHeight="24dp"  
 android:text="@string/limpar"  
 app:icon="@android:drawable/ic\_menu\_delete"  
 app:iconPadding="0dp" />  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp" />  
  
 <LinearLayout  
 android:id="@+id/itemField"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginHorizontal="16dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/itemLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/nome\_do\_item" />  
  
 <EditText  
 android:id="@+id/itemInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/insira\_o\_nome\_do\_item"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textColorHint="#757575"  
 android:importantForAutofill="no" />  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp" />  
  
 <LinearLayout  
 android:id="@+id/qtdField"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginHorizontal="16dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/qtdLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/quantidade\_de\_itens" />  
  
 <EditText  
 android:id="@+id/qtdInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/insira\_a\_quantidade\_de\_itens"  
 android:importantForAutofill="no"  
 android:inputType="number"  
 android:minHeight="48dp"  
 android:textColorHint="#757575" />  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp" />  
  
 <LinearLayout  
 android:id="@+id/shopField"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginHorizontal="16dp"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/shopLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/loja" />  
  
 <EditText  
 android:id="@+id/shopInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/insira\_o\_nome\_da\_loja"  
 android:inputType="textPersonName"  
 android:minHeight="48dp"  
 android:textColorHint="#757575"  
 android:importantForAutofill="no" />  
  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp" />  
  
 <Button  
 android:id="@+id/saveBtn"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:backgroundTint="#3F51B5"  
 android:text="@string/adicionar"  
 app:icon="@android:drawable/ic\_menu\_add" />  
  
 </LinearLayout>  
 </ScrollView>  
</androidx.constraintlayout.widget.ConstraintLayout>

EXERCÍCIO 3

CLASSE:

package devandroid.diogoferreira.agendadecompromissos.model;  
  
public class Compromisso {  
 private String title;  
 private String description;  
 private String date;  
 private String hour;  
 private String locale;  
  
 public Compromisso(String title, String description, String date, String hour, String locale) {  
 this.title = title;  
 this.description = description;  
 this.date = date;  
 this.hour = hour;  
 this.locale = locale;  
 }  
  
 public String getTitle() {  
 return title;  
 }  
  
 public void setTitle(String title) {  
 this.title = title;  
 }  
  
 public String getDescription() {  
 return description;  
 }  
  
 public void setDescription(String description) {  
 this.description = description;  
 }  
  
 public String getDate() {  
 return date;  
 }  
  
 public void setDate(String date) {  
 this.date = date;  
 }  
  
 public String getHour() {  
 return hour;  
 }  
  
 public void setHour(String hour) {  
 this.hour = hour;  
 }  
  
 public String getLocale() {  
 return locale;  
 }  
  
 public void setLocale(String locale) {  
 this.locale = locale;  
 }  
  
 @Override  
 public String toString() {  
 return "Compromisso{" +  
 "title='" + title + '\'' +  
 ", description='" + description + '\'' +  
 ", date='" + date + '\'' +  
 ", hour='" + hour + '\'' +  
 ", locale='" + locale + '\'' +  
 '}';  
 }  
}

MAIN\_ACTIVITY

package devandroid.diogoferreira.agendadecompromissos.view;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import java.util.ArrayList;  
import android.os.Bundle;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.ImageButton;  
import android.widget.Toast;  
  
import devandroid.diogoferreira.agendadecompromissos.R;  
import devandroid.diogoferreira.agendadecompromissos.model.Compromisso;  
  
public class MainActivity extends AppCompatActivity {  
  
 private ArrayList<Compromisso> compromissos = new ArrayList<>();  
  
 EditText titleInput;  
 EditText descriptionInput;  
 EditText localeInput;  
 EditText dateInput;  
 EditText hourInput;  
  
 ImageButton closeBtn;  
 Button clearBtn;  
 Button saveBtn;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 titleInput = findViewById(R.id.*titleInput*);  
 descriptionInput = findViewById(R.id.*descriptionInput*);  
 localeInput = findViewById(R.id.*localeInput*);  
 dateInput = findViewById(R.id.*dateInput*);  
 hourInput = findViewById(R.id.*hourInput*);  
  
 closeBtn = findViewById(R.id.*closeBtn*);  
 clearBtn = findViewById(R.id.*clearBtn*);  
 saveBtn = findViewById(R.id.*saveBtn*);  
  
 closeBtn.setOnClickListener(view -> {  
 Toast.*makeText*(MainActivity.this, "Compromissos salvos com sucesso!", Toast.*LENGTH\_LONG*).show();  
 finish();  
 });  
  
 saveBtn.setOnClickListener(view -> saveTask());  
  
 clearBtn.setOnClickListener(view -> clearFields());  
 }  
  
 private void clearFields(){  
 titleInput.setText("");  
 descriptionInput.setText("");  
 localeInput.setText("");  
 dateInput.setText("");  
 hourInput.setText("");  
 }  
  
 private void saveTask() {  
 String titleInputString = titleInput.getText().toString();  
 String descriptionInputString = descriptionInput.getText().toString();  
 String localeInputString = localeInput.getText().toString();  
 String dateInputString = dateInput.getText().toString();  
 String hourInputString = hourInput.getText().toString();  
  
 String frase;  
  
 Compromisso novoCompromisso;  
  
 if (titleInputString.equals("") || descriptionInputString.equals("") || localeInputString.equals("") || dateInputString.equals("") || hourInputString.equals("")) {  
 Toast.*makeText*(MainActivity.this, "Verifique os campos e tente novamente.", Toast.*LENGTH\_LONG*).show();  
 } else {  
 novoCompromisso = new Compromisso(titleInputString, descriptionInputString, localeInputString, dateInputString, hourInputString);  
 compromissos.add(novoCompromisso);  
 clearFields();  
  
 if(compromissos.size() != 0){  
 frase = "Compromisso adicionado com sucesso!";  
 } else {  
 frase = "Até logo :)";  
 }  
 Toast.*makeText*(MainActivity.this, frase, Toast.*LENGTH\_LONG*).show();  
 }  
 }  
}

TELA:

<?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=".view.MainActivity">  
  
 <ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:foregroundTint="#BC0000">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginHorizontal="16dp"  
 android:orientation="vertical">  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp"  
 android:layout\_weight="1" />  
  
 <LinearLayout  
 android:id="@+id/header"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="0dp"  
 android:orientation="horizontal">  
  
 <ImageButton  
 android:id="@+id/closeBtn"  
 android:layout\_width="10dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:backgroundTint="#0FFFFFFF"  
 app:srcCompat="@android:drawable/ic\_menu\_close\_clear\_cancel"  
 app:tint="#ED0000"  
 android:contentDescription="@string/todo"  
 tools:ignore="ContentDescription" />  
  
 <TextView  
 android:id="@+id/mainTitle"  
 android:layout\_width="110dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:gravity="center"  
 android:text="@string/agenda"  
 android:textAlignment="center"  
 android:textColor="#000000"  
 android:textSize="30sp" />  
  
 <Space  
 android:layout\_width="10dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:orientation="horizontal">  
  
 <Space  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 tools:ignore="NestedWeights" />  
  
 <Button  
 android:id="@+id/clearBtn"  
 android:layout\_width="6dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:backgroundTint="#FF9800"  
 android:text="Limpar"  
 app:icon="@android:drawable/ic\_menu\_delete"  
 tools:ignore="HardcodedText" />  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp"  
 android:layout\_weight="1" />  
  
 <LinearLayout  
 android:id="@+id/title"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/titleLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/t\_tulo" />  
  
 <EditText  
 android:id="@+id/titleInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/insira\_o\_t\_tulo\_do\_compromisso"  
 android:inputType="textPersonName"  
 android:autofillHints="" />  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp"  
 android:layout\_weight="1" />  
  
 <LinearLayout  
 android:id="@+id/description"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/descriptionLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/descri\_o" />  
  
 <EditText  
 android:id="@+id/descriptionInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="123dp"  
 android:ems="10"  
 android:gravity="start|top"  
 android:hint="@string/insira\_a\_descri\_o\_do\_compromisso"  
 android:inputType="textMultiLine"  
 android:autofillHints="" />  
  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp"  
 android:layout\_weight="1" />  
  
 <LinearLayout  
 android:id="@+id/locale"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/localeLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/local" />  
  
 <EditText  
 android:id="@+id/localeInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/insira\_o\_local\_do\_compromisso"  
 android:inputType="textPersonName"  
 android:importantForAutofill="no" />  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_weight="1"  
 tools:ignore="NestedWeights" />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:orientation="horizontal">  
  
 <LinearLayout  
 android:id="@+id/date"  
 android:layout\_width="143dp"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/dateLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/data" />  
  
 <EditText  
 android:id="@+id/dateInput"  
 android:layout\_width="369dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/dd\_mm\_yyyy"  
 android:inputType="textPersonName"  
 android:autofillHints="" />  
  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="28dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 tools:ignore="NestedWeights" />  
  
 <LinearLayout  
 android:id="@+id/hour"  
 android:layout\_width="50dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:orientation="vertical">  
  
 <TextView  
 android:id="@+id/hourLabel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/hor\_rio" />  
  
 <EditText  
 android:id="@+id/hourInput"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="@string/hh\_mm"  
 android:inputType="textPersonName"  
 android:importantForAutofill="no" />  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 </LinearLayout>  
 </LinearLayout>  
  
 <Space  
 android:layout\_width="match\_parent"  
 android:layout\_height="16dp"  
 android:layout\_weight="1" />  
  
 <Button  
 android:id="@+id/saveBtn"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:backgroundTint="#4CAF50"  
 android:text="@string/salvar"  
 app:icon="@android:drawable/ic\_menu\_save" />  
  
 </LinearLayout>  
 </ScrollView>  
  
</androidx.constraintlayout.widget.ConstraintLayout>