

```

1  package com.example.agendario;
2
3  import android.content.Context;
4  import android.graphics.Color;
5
6  import android.view.LayoutInflater;
7  import android.view.View;
8  import android.view.ViewGroup;
9  import android.widget.Filter;
10 import android.widget.Filterable;
11 import android.widget.TextView;
12
13 import androidx.recyclerview.widget.RecyclerView;
14
15 import java.util.ArrayList;
16 import java.util.List;
17
18 public class QuestionAdapter1 extends RecyclerView.Adapter<QuestionAdapter1.QuestionViewHolder>
19     implements Filterable
20 {
21     private List<Question> mQuestions;
22     private List<Question> mQuestionFull;
23
24     public interface OnItemClickListener{
25         void onItemClick(Question question);
26     }
27
28     private OnItemClickListener mOnItemClickListener;
29
30     private final LayoutInflater mInflater;
31
32     @Override
33     public QuestionViewHolder onCreateViewHolder(ViewGroup parent, int viewType){
34         View itemView = mInflater.inflate(R.layout.recyclerview_item_questions, parent, false);
35         return new QuestionViewHolder(itemView);
36     }
37
38     @Override
39     public void onBindViewHolder(QuestionViewHolder holder, int position){
40         Question current = mQuestions.get(position);
41         holder.description.setText(current.getDescription());
42         if(current.getStatus() == 0 ) {
43             holder.description.setTextColor(Color.LTGRAY);
44         } else {
45             holder.description.setTextColor(Color.parseColor("#737373"));
46         }
47     }
48
49     public class QuestionViewHolder extends RecyclerView.ViewHolder{
50         private final TextView description;
51
52         private QuestionViewHolder(View itemView){
53             super(itemView);
54             description = itemView.findViewById(R.id.text_recycler_name_question);
55
56             itemView.setOnClickListener(new View.OnClickListener() {
57                 @Override
58                 public void onClick(View v) {
59                     int position = getAdapterPosition();
60                     if( mOnItemClickListener != null && position != RecyclerView.NO_POSITION ){
61                         mOnItemClickListener.onItemClick(mQuestions.get(position));
62                     }
63                 }
64             });
65         }

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66
67     }
68
69
70     @Override
71     public int getItemCount(){
72         if(mQuestions != null) {
73             return mQuestions.size(); // quantidade elementos na lista
74         } else {
75             return 0; // como a lista é vazia
76         }
77     }
78
79     public void setQuestions(List<Question> questions){
80         mQuestions = questions;
81         mQuestionFull = new ArrayList<>(questions);
82         notifyDataSetChanged();
83     }
84
85     public Question getQuestionAt(int positon){
86         return mQuestions.get(positon);
87     }
88
89     public void setOnItemClickListener(OnItemClickListener listener){
90         this.setOnItemClickListener = listener;
91     }
92
93     public QuestionAdapter1(Context context){
94         mInflater = LayoutInflater.from(context);
95     }
96
97     private Filter questionFilter = new Filter() {
98         @Override
99         protected FilterResults performFiltering(CharSequence constraint) {
100             List<Question> filteredList = new ArrayList<>();
101             if(constraint == null || constraint.length() == 0){
102                 filteredList.addAll(mQuestionFull);
103             } else {
104                 String filterPattern = constraint.toString().toLowerCase().trim();
105                 for(Question item : mQuestionFull){
106                     if(item.getDescription().toLowerCase().contains(filterPattern)){
107                         filteredList.add(item);
108                     }
109                 }
110             }
111             FilterResults results = new FilterResults();
112             results.values = filteredList;
113             return results; // <<<<<<<<
114         }
115
116         @Override
117         protected void publishResults(CharSequence constraint, FilterResults results) {
118
119         }
120     };
121
122     @Override
123     public Filter getFilter(){
124         return questionFilter;
125     }
126
127 }

```