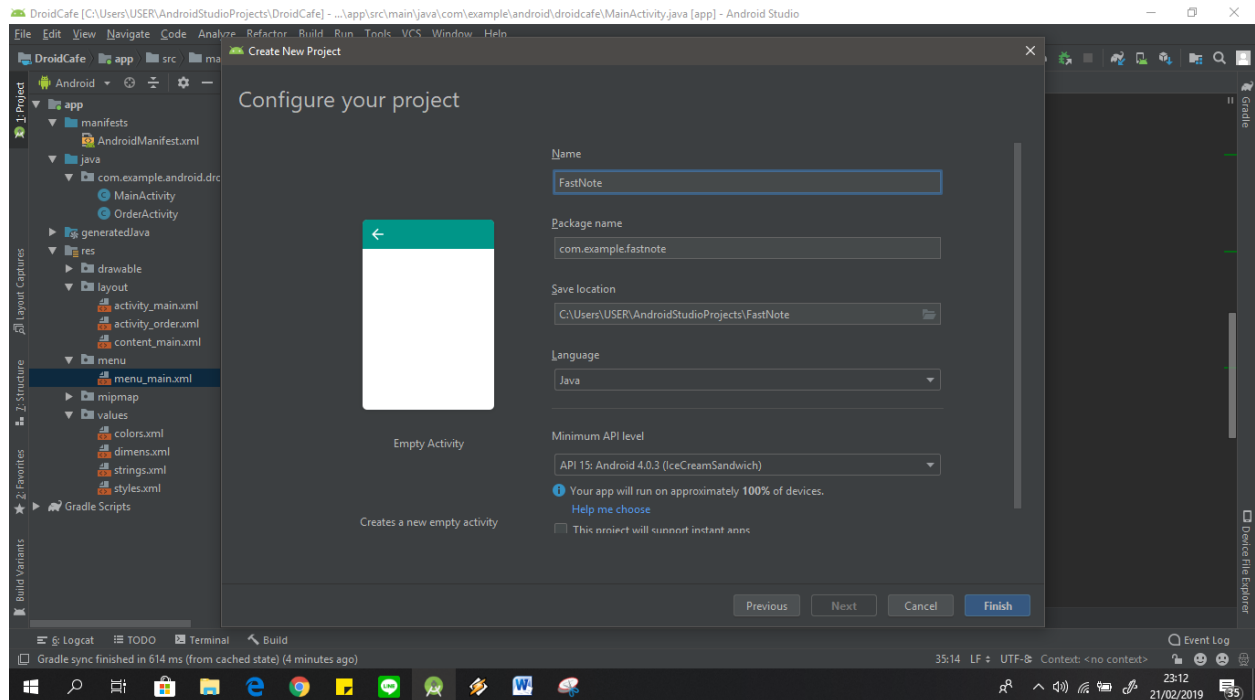


Maulana Muhammad Fathoni

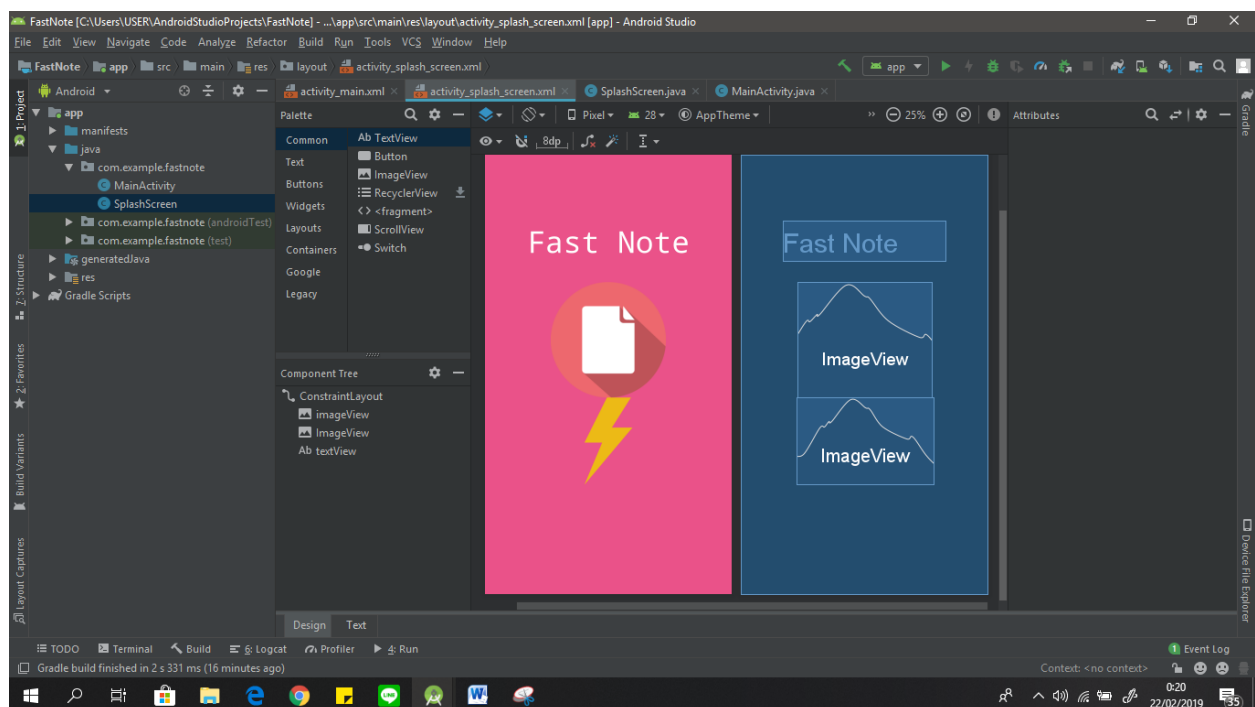
1202164201

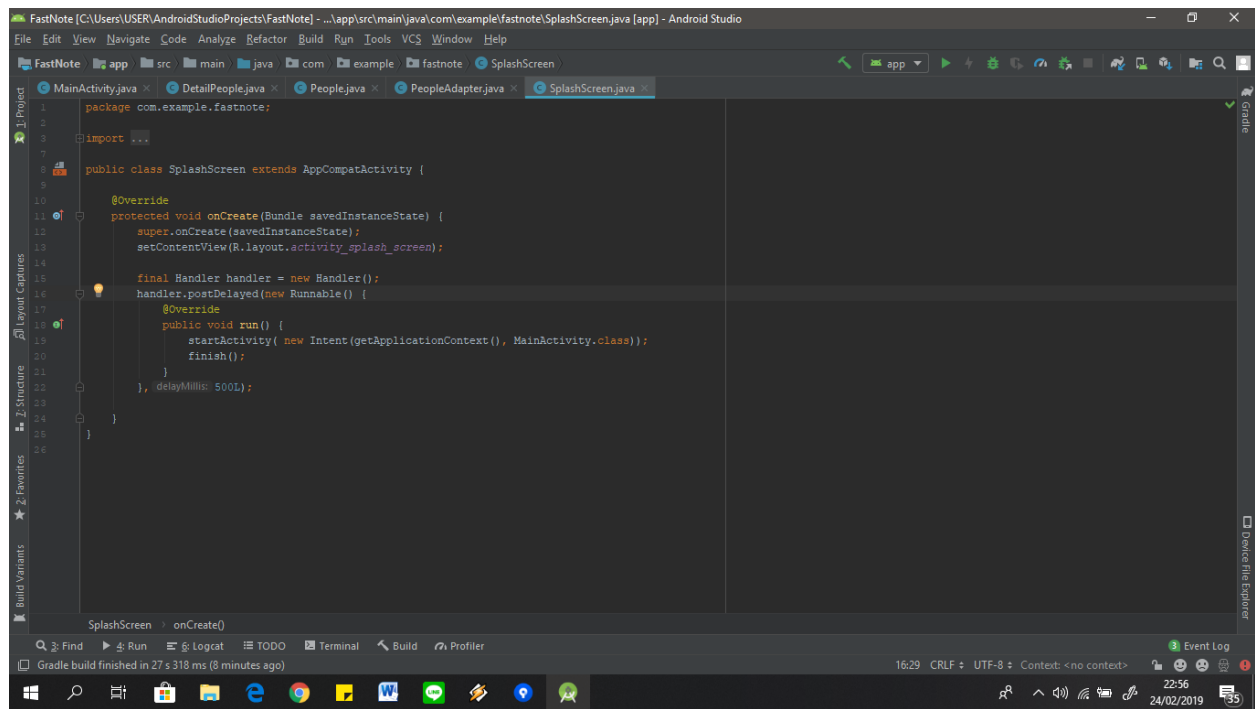
SI4008

Membuat Project Baru

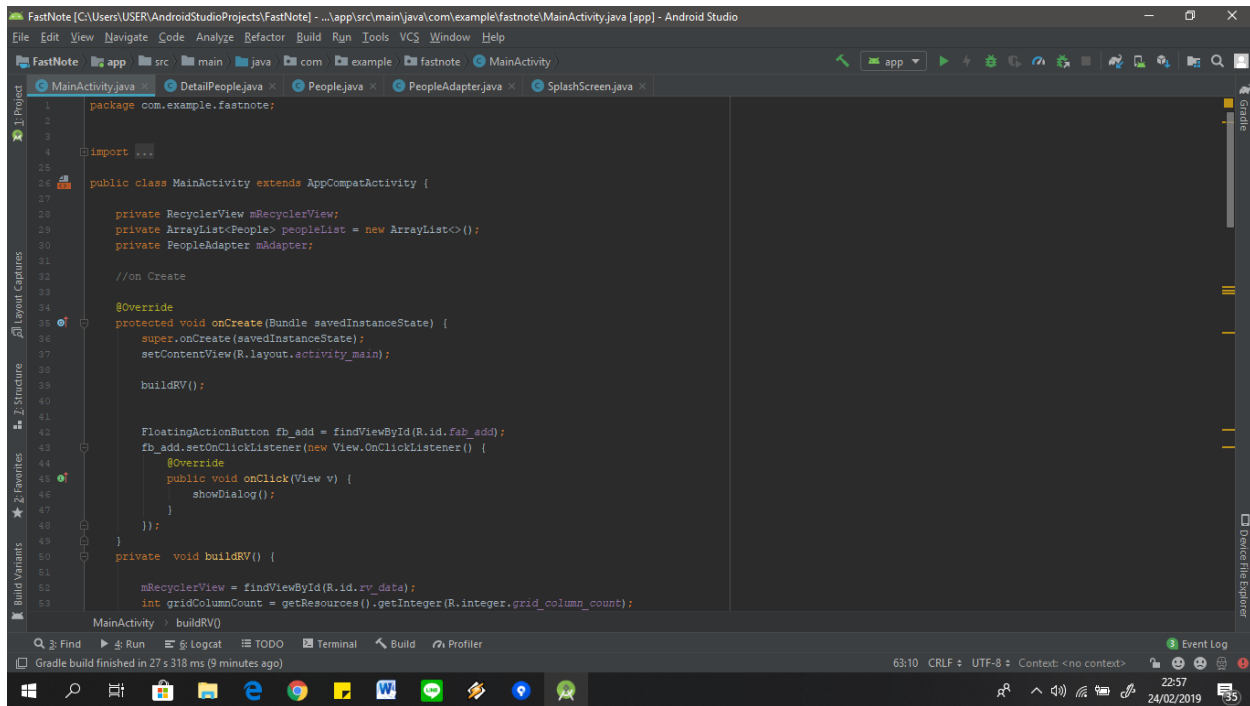


Splash Screen



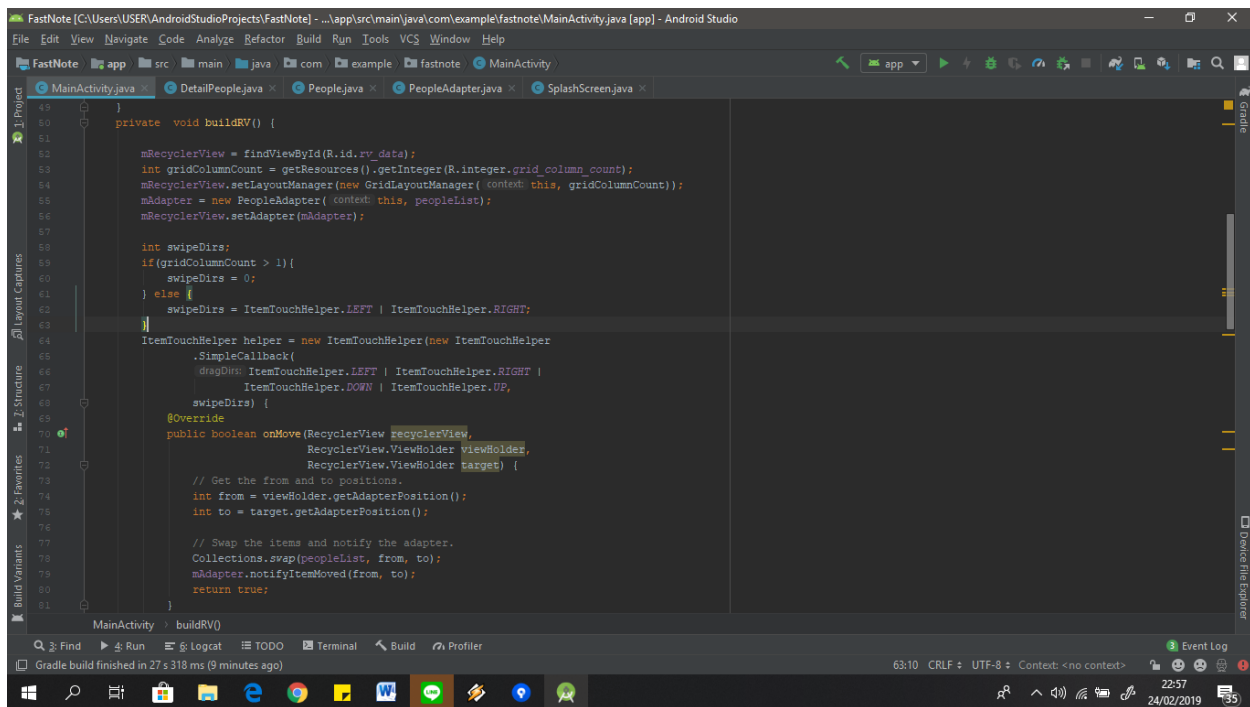


Main Activity



The screenshot shows the MainActivity.java file in Android Studio. The code defines the MainActivity class, which extends AppCompatActivity. It includes a RecyclerView (mRecyclerView) and an ArrayList (peopleList). The onCreate method initializes the RecyclerView and sets up a FloatingActionButton (fb_add). The onClick method for the FloatingActionButton shows a dialog. The buildRV() method is also shown.

```
1 package com.example.fastnote;
2
3
4 import ...
5
26 public class MainActivity extends AppCompatActivity {
27
28     private RecyclerView mRecyclerView;
29     private ArrayList<People> peopleList = new ArrayList<>();
30     private PeopleAdapter mAdapter;
31
32     //on Create
33
34     @Override
35     protected void onCreate(Bundle savedInstanceState) {
36         super.onCreate(savedInstanceState);
37         setContentView(R.layout.activity_main);
38
39         buildRV();
40
41         FloatingActionButton fb_add = findViewById(R.id.fab_add);
42         fb_add.setOnClickListener(new View.OnClickListener() {
43             @Override
44             public void onClick(View v) {
45                 showDialog();
46             }
47         });
48     }
49
50     private void buildRV() {
51
52         mRecyclerView = findViewById(R.id.rv_data);
53         int gridColumnCount = getResources().getInteger(R.integer.grid_column_count);
```

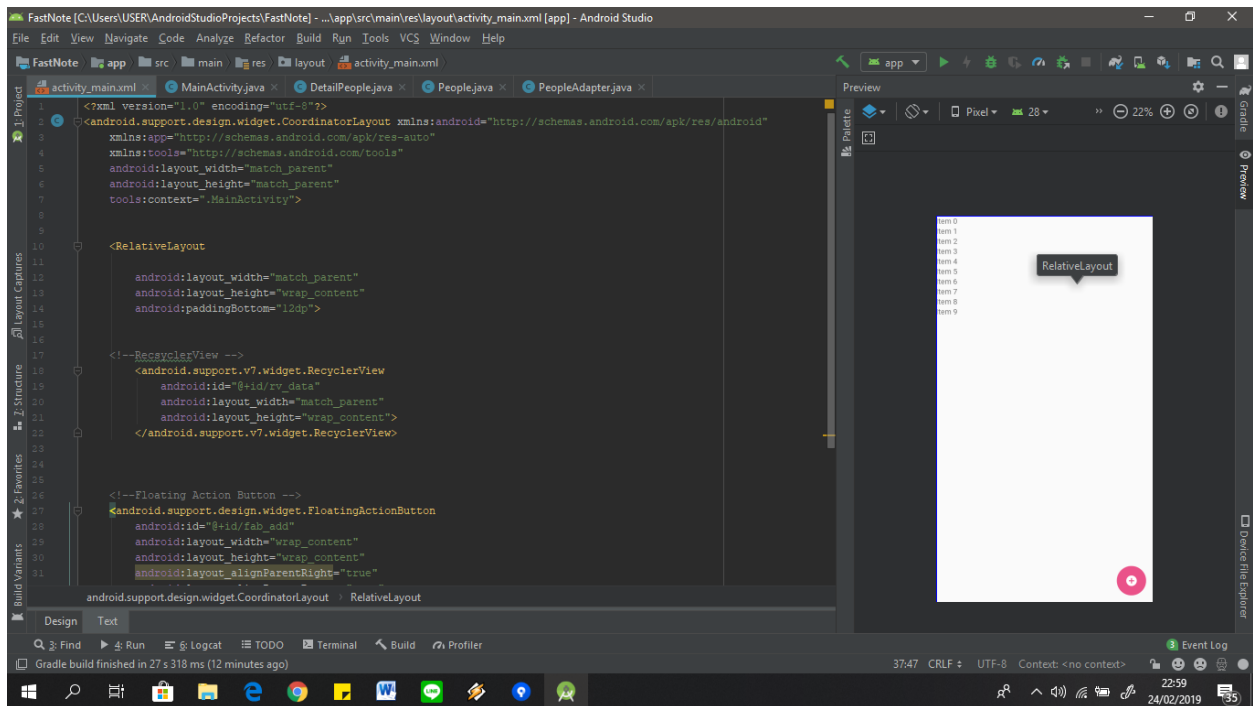
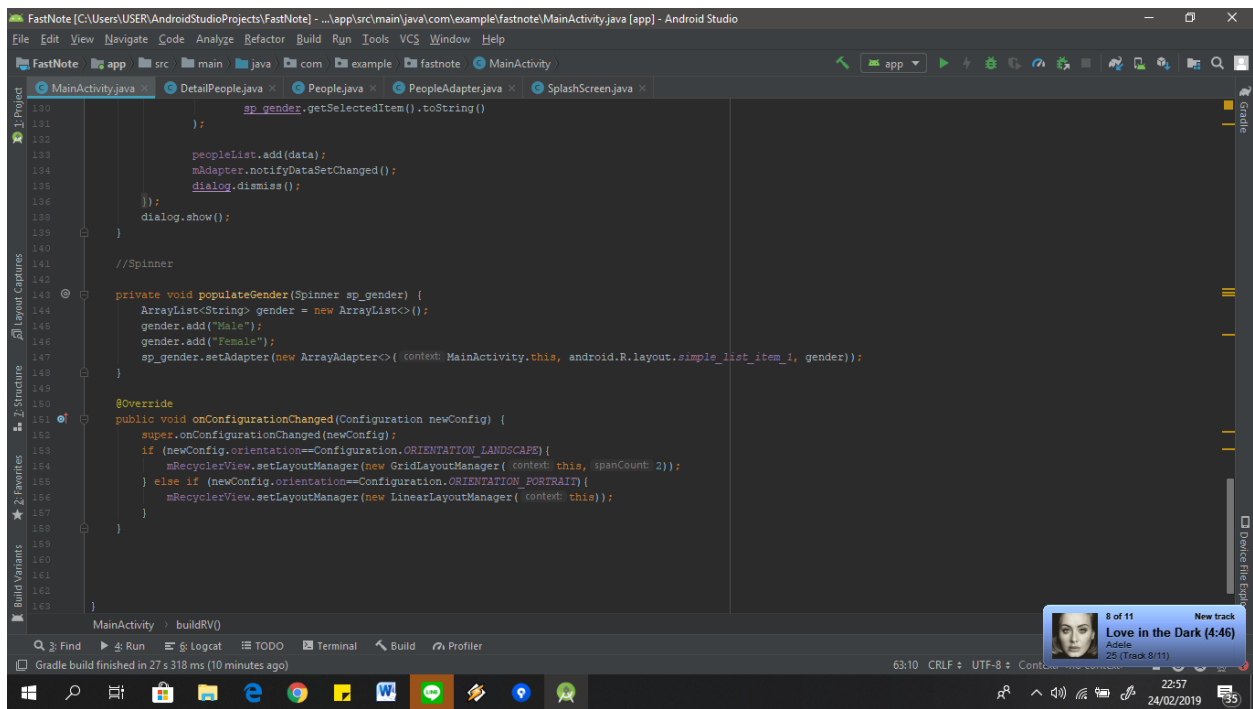


The screenshot shows the MainActivity.java file in Android Studio, focusing on the buildRV() method and the swipe gesture implementation. The buildRV() method initializes the RecyclerView, sets the GridLayoutManager, and creates the PeopleAdapter. The swipe gesture implementation uses ItemTouchHelper to handle item movement.

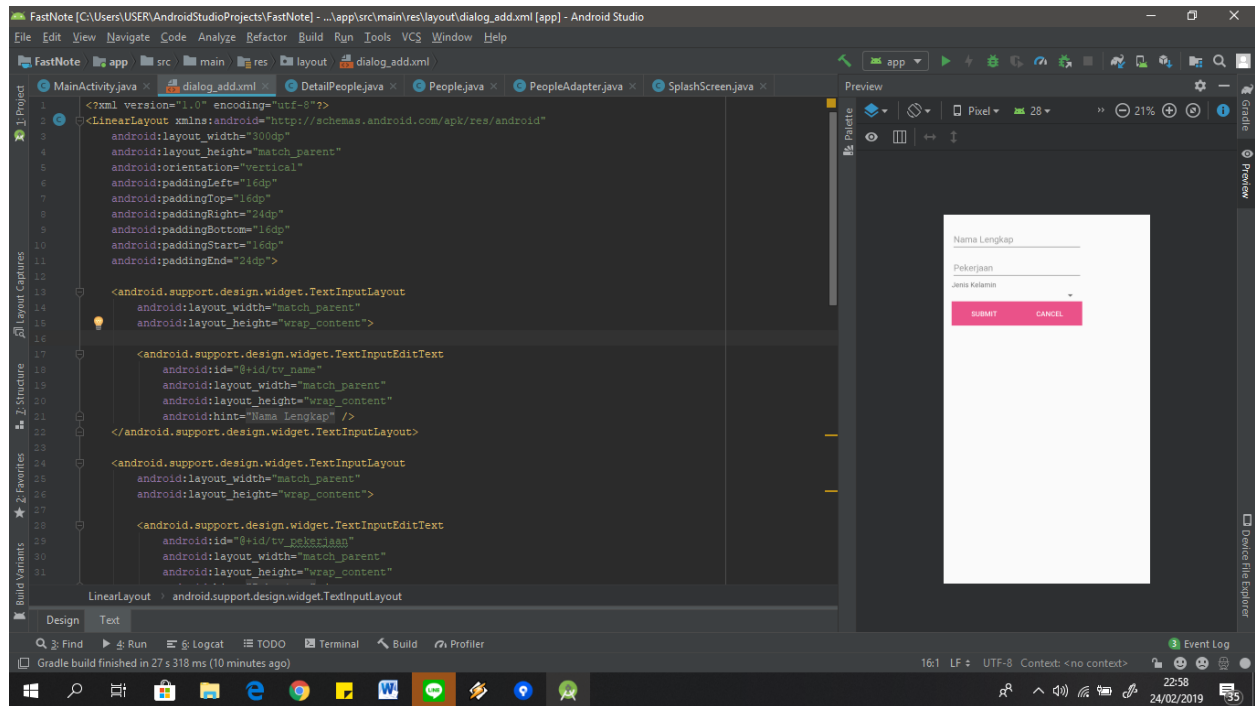
```
49
50 private void buildRV() {
51
52     mRecyclerView = findViewById(R.id.rv_data);
53     int gridColumnCount = getResources().getInteger(R.integer.grid_column_count);
54     mRecyclerView.setLayoutManager(new GridLayoutManager(context, gridColumnCount));
55     mAdapter = new PeopleAdapter(context, this, peopleList);
56     mRecyclerView.setAdapter(mAdapter);
57
58     int swipeDirs;
59     if(gridColumnCount > 1){
60         swipeDirs = 0;
61     } else {
62         swipeDirs = ItemTouchHelper.LEFT | ItemTouchHelper.RIGHT;
63     }
64     ItemTouchHelper helper = new ItemTouchHelper(new ItemTouchHelper
65         .SimpleCallback() {
66             dragDirs: ItemTouchHelper.LEFT | ItemTouchHelper.RIGHT |
67             ItemTouchHelper.DOWN | ItemTouchHelper.UP,
68             swipeDirs) {
69         @Override
70         public boolean onMove(RecyclerView recyclerView,
71             RecyclerView.ViewHolder viewHolder,
72             RecyclerView.ViewHolder target) {
73             // Get the from and to positions.
74             int from = viewHolder.getAdapterPosition();
75             int to = target.getAdapterPosition();
76
77             // Swap the items and notify the adapter.
78             Collections.swap(peopleList, from, to);
79             mAdapter.notifyItemMoved(from, to);
80             return true;
81         }
82     }
```

```
FastNote [C:\Users\USER\AndroidStudioProjects\FastNote] - ...app\src\main\java\com\example\fastnote\MainActivity.java [app] - Android Studio
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
FastNote FastNote app src main java com example fastnote MainActivity
MainActivity.java DetailPeople.java People.java PeopleAdapter.java SplashScreen.java
101 }
102 @Override
103 public void onSwiped(RecyclerView.ViewHolder viewHolder,
104 int direction) {
105 // Remove the item from the dataset.
106 peopleList.remove(viewHolder.getAdapterPosition());
107 // Notify the adapter.
108 mAdapter.notifyItemRemoved(viewHolder.getAdapterPosition());
109 }
110 }
111 helper.attachToRecyclerView(mRecyclerView);
112 }
113
114 //onclick floating buttonIntegers.xml
115 private void showDialog() {
116 final Dialog dialog = new Dialog( context: this);
117 dialog.setContentView(R.layout.dialog_add);
118 final TextInputEditText tv_name = dialog.findViewById(R.id.tv_name);
119 final TextInputEditText tv_pekerjaan = dialog.findViewById(R.id.tv_pekerjaan);
120 Button btn_submit = dialog.findViewById(R.id.btn_submit);
121 Button btn_cancel = dialog.findViewById(R.id.btn_cancel);
122 final Spinner sp_gender = dialog.findViewById(R.id.sp_gender);
123
124 populateGender( sp_gender);
125
126 btn_cancel.setOnClickListener( (v) -> { dialog.dismiss(); } );
127
128 btn_submit.setOnClickListener( (v) -> {
129 if (tv_name.getText().toString().isEmpty()) {
130 tv_name.setError("Nama Belum Di Isi !");
131 return;
132 }
133
134 People data = new People (
135 tv_name.getText().toString(),
136 tv_pekerjaan.getText().toString(),
137 sp_gender.getSelectedItem().toString()
138 );
139
140 peopleList.add(data);
141 mAdapter.notifyDataSetChanged();
142 dialog.dismiss();
143 dialog.show();
144 }
145 );
146
147 //Spinner
148 private void populateGender(Spinner sp_gender) {
149 ArrayList<String> gender = new ArrayList<>();
150 gender.add("Male");
151 gender.add("Female");
152 sp_gender.setAdapter(new ArrayAdapter<>( context: MainActivity.this, android.R.layout.simple_list_item_1, gender));
153 }
154
155 @Override
156 public void onConfigurationChanged(Configuration newConfig) {
157 super.onConfigurationChanged(newConfig);
158 if (newConfig.orientation==Configuration.ORIENTATION_LANDSCAPE) {
159 //landscape
160 }
161 else if (newConfig.orientation==Configuration.ORIENTATION_PORTRAIT) {
162 //portrait
163 }
164 }
165
166 MainActivity build(RV)
63:10 CRLF + UTF-8 + Context: <no context>
22:57 24/02/2019
```

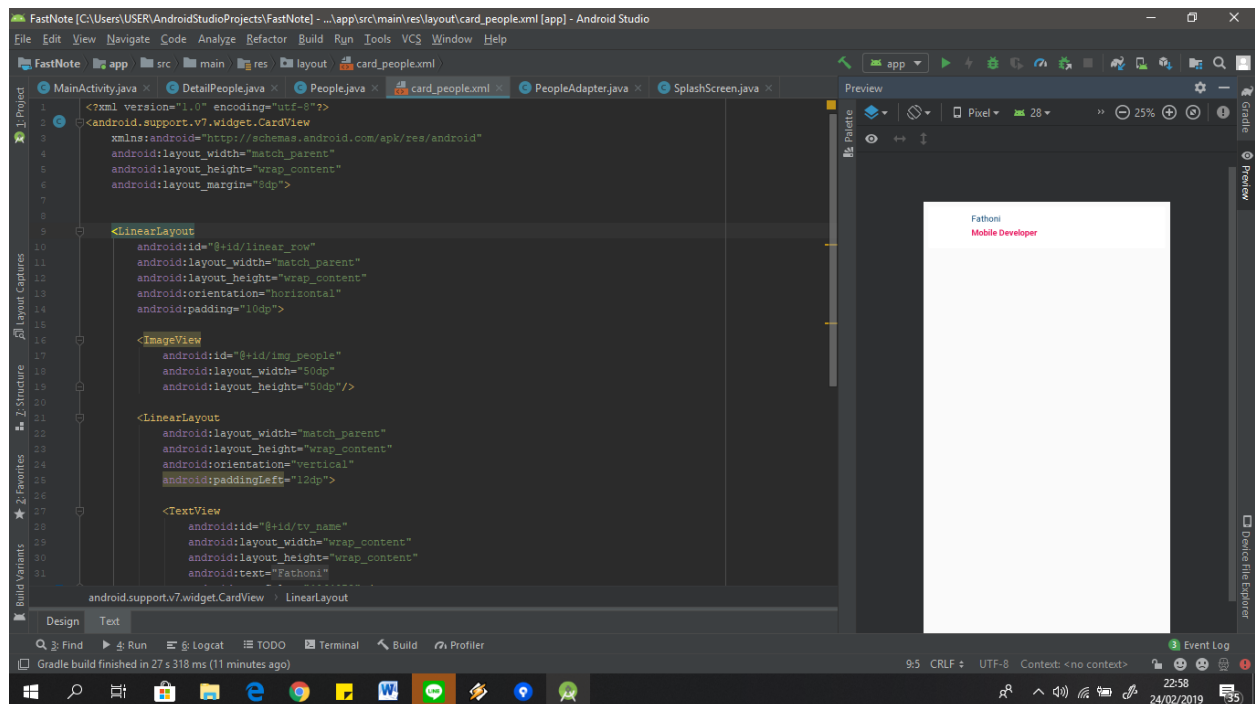
```
FastNote [C:\Users\USER\AndroidStudioProjects\FastNote] - ...app\src\main\java\com\example\fastnote\MainActivity.java [app] - Android Studio
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
FastNote FastNote app src main java com example fastnote MainActivity
MainActivity.java DetailPeople.java People.java PeopleAdapter.java SplashScreen.java
120 }
121
122 if (tv_pekerjaan.getText().toString().isEmpty()) {
123 tv_pekerjaan.setError("Pekerjaan Belum Di Isi !");
124 return;
125 }
126
127 People data = new People (
128 tv_name.getText().toString(),
129 tv_pekerjaan.getText().toString(),
130 sp_gender.getSelectedItem().toString()
131 );
132
133 peopleList.add(data);
134 mAdapter.notifyDataSetChanged();
135 dialog.dismiss();
136 dialog.show();
137 }
138
139 //Spinner
140 private void populateGender(Spinner sp_gender) {
141 ArrayList<String> gender = new ArrayList<>();
142 gender.add("Male");
143 gender.add("Female");
144 sp_gender.setAdapter(new ArrayAdapter<>( context: MainActivity.this, android.R.layout.simple_list_item_1, gender));
145 }
146
147 @Override
148 public void onConfigurationChanged(Configuration newConfig) {
149 super.onConfigurationChanged(newConfig);
150 if (newConfig.orientation==Configuration.ORIENTATION_LANDSCAPE) {
151 //landscape
152 }
153 else if (newConfig.orientation==Configuration.ORIENTATION_PORTRAIT) {
154 //portrait
155 }
156 }
157
158 MainActivity build(RV)
63:10 CRLF + UTF-8 + Context: <no context>
22:57 24/02/2019
```



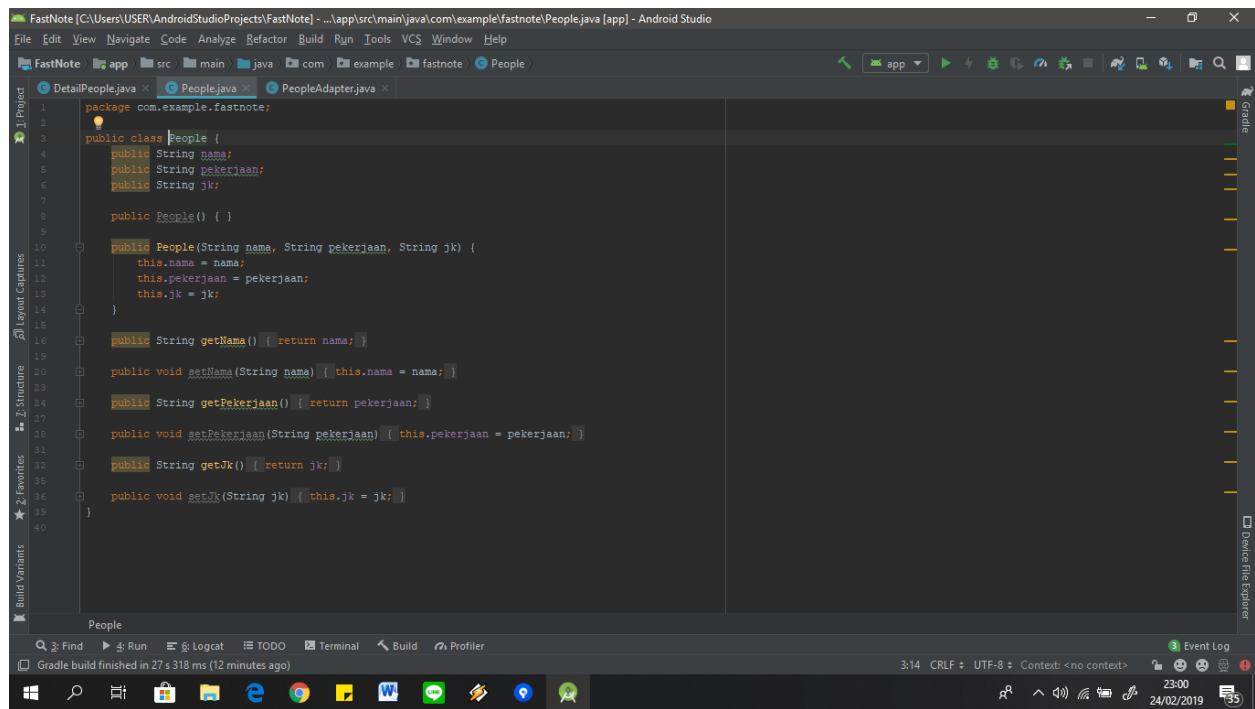
Dialog Add



Card People



People



```
package com.example.fastnote;

public class People {
    public String nama;
    public String pekerjaan;
    public String jk;

    public People() {}

    public People(String nama, String pekerjaan, String jk) {
        this.nama = nama;
        this.pekerjaan = pekerjaan;
        this.jk = jk;
    }

    public String getNama() { return nama; }

    public void setNama(String nama) { this.nama = nama; }

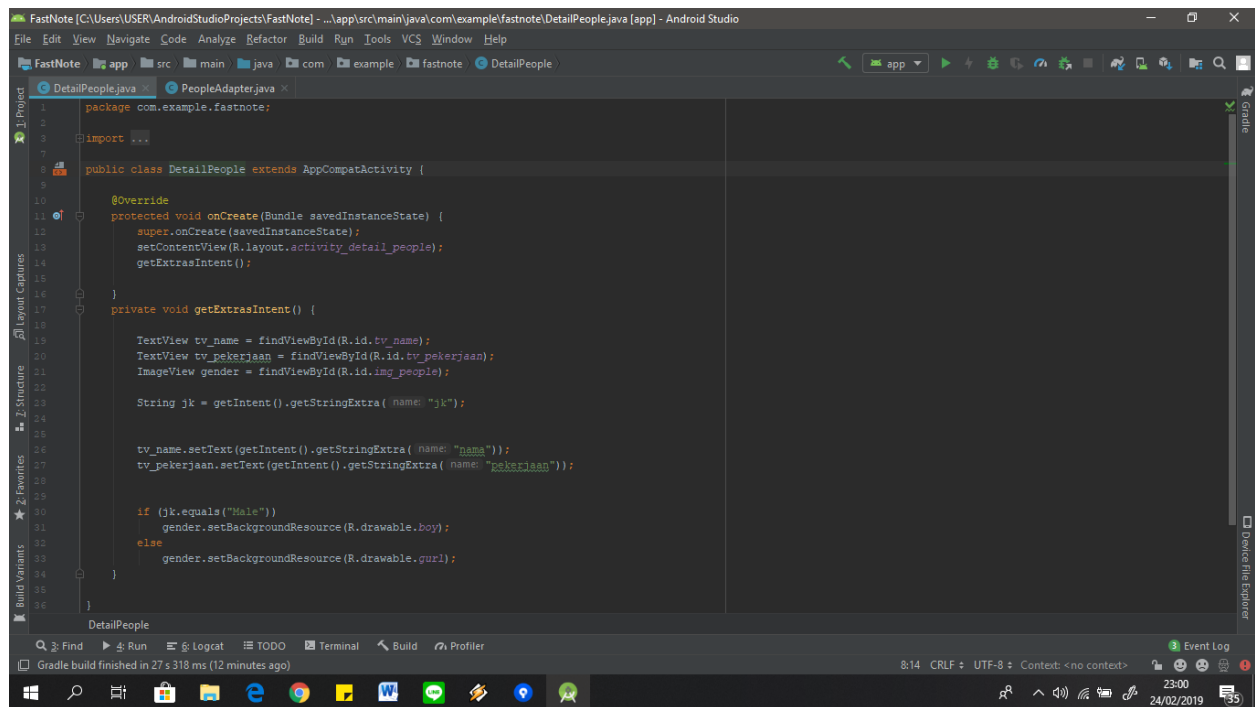
    public String getPekerjaan() { return pekerjaan; }

    public void setPekerjaan(String pekerjaan) { this.pekerjaan = pekerjaan; }

    public String getJk() { return jk; }

    public void setJk(String jk) { this.jk = jk; }
}
```

Detail People



```
package com.example.fastnote;

import androidx.appcompat.app.AppCompatActivity;

public class DetailPeople extends AppCompatActivity {

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

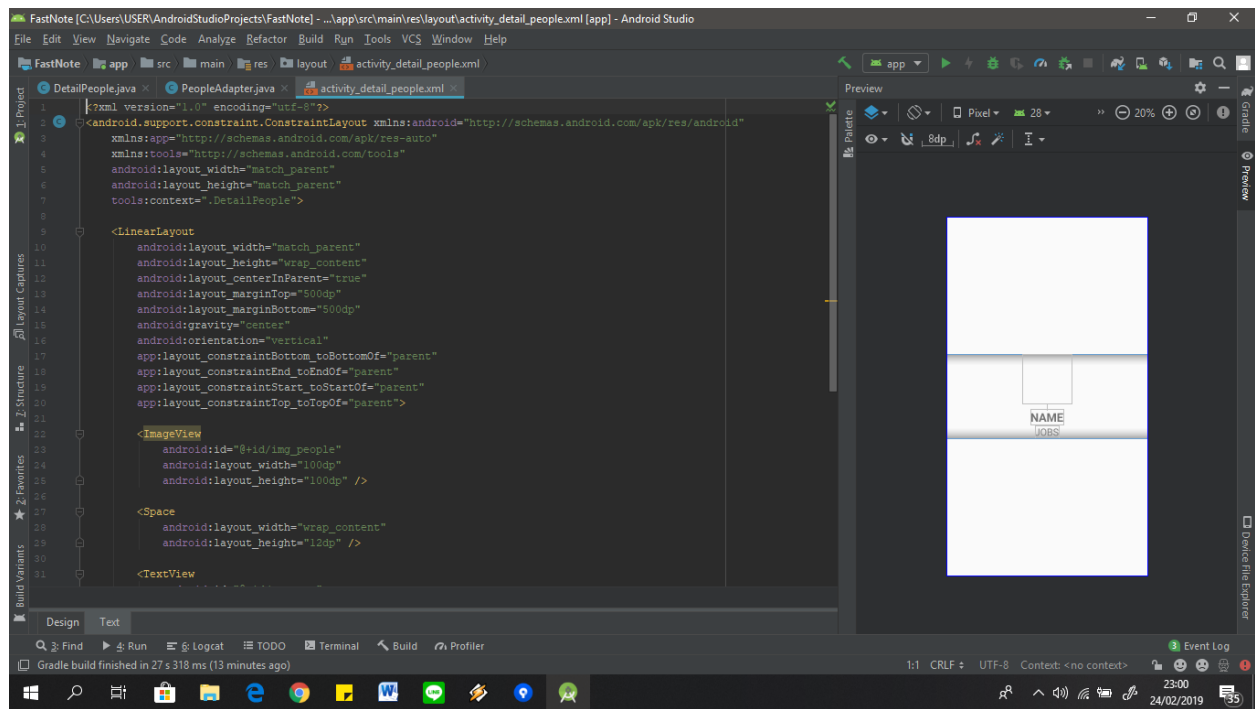
    private void getExtrasIntent() {

        TextView tv_name = findViewById(R.id.tv_name);
        TextView tv_pekerjaan = findViewById(R.id.tv_pekerjaan);
        ImageView gender = findViewById(R.id.img_people);

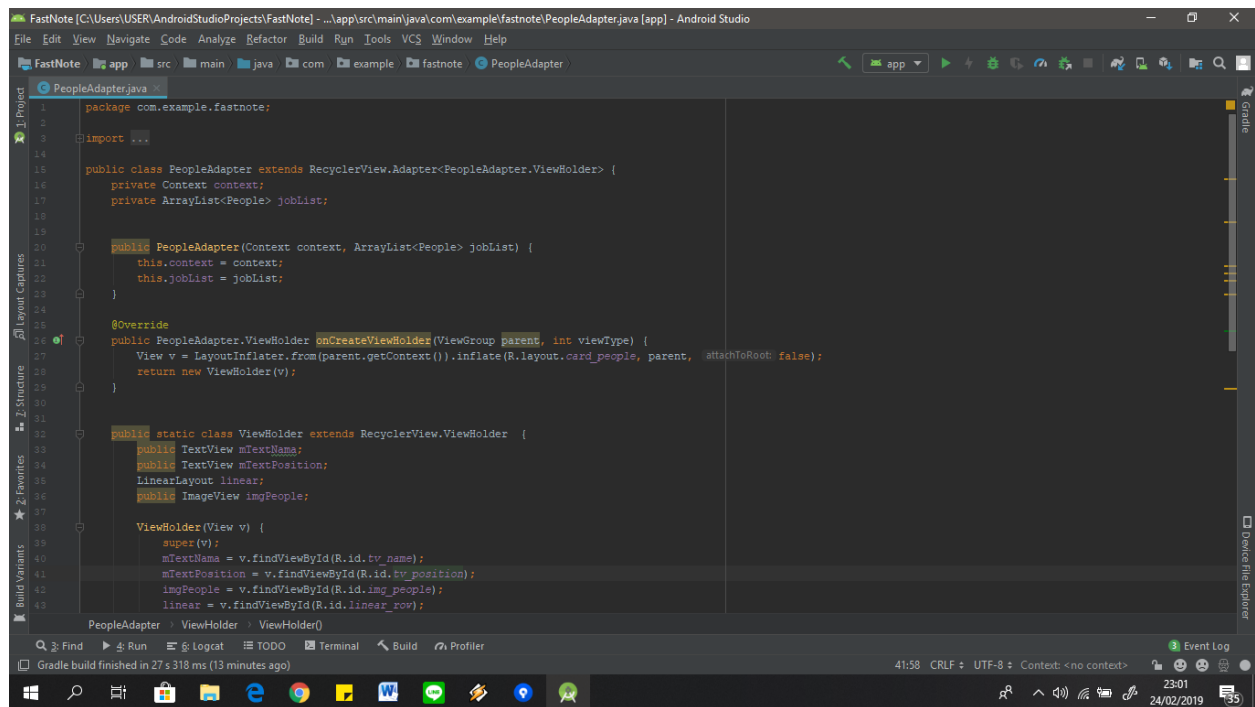
        String jk = getIntent().getStringExtra("jk");

        tv_name.setText(getIntent().getStringExtra("nama"));
        tv_pekerjaan.setText(getIntent().getStringExtra("pekerjaan"));

        if (jk.equals("Male"))
            gender.setBackgroundResource(R.drawable.boy);
        else
            gender.setBackgroundResource(R.drawable.gurl);
    }
}
```



People Adapter



FastNote [C:\Users\USER\AndroidStudioProjects\FastNote] - ...app\src\main\java\com\example\fastnote\PeopleAdapter.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

FastNote app src main java com example fastnote PeopleAdapter

```
1 public static class ViewHolder extends RecyclerView.ViewHolder {
2     public TextView mTextNama;
3     public TextView mTextPosition;
4     LinearLayout linear;
5     ImageView imgPeople;
6
7     ViewHolder(View v) {
8         super(v);
9         mTextNama = v.findViewById(R.id.tv_nama);
10        mTextPosition = v.findViewById(R.id.tv_position);
11        imgPeople = v.findViewById(R.id.img_people);
12        linear = v.findViewById(R.id.linear_row);
13    }
14
15    @Override
16    public void onBindViewHolder(ViewHolder holder, int position) {
17        final People job = jobList.get(position);
18        holder.mTextNama.setText(job.getNama());
19        //String gender = job.getPekerjaan();
20        holder.mTextPosition.setText(job.getPekerjaan());
21        holder.linear.setOnClickListener(v -> {
22            Intent intent = new Intent(context, DetailPeople.class);
23            intent.putExtra( name: "nama", job.getNama());
24            intent.putExtra( name: "pekerjaan", job.getPekerjaan());
25            intent.putExtra( name: "jk", job.getJk());
26            context.startActivity(intent);
27        });
28
29        if (job.getJk().equals("Male"))
30            holder.imgPeople.setBackgroundResource(R.drawable.boy);
31    }
32}
```

PeopleAdapter · ViewHolder · ViewHolder()

41:58 CRLF + UTF-8 + Context: <no context> 23:01 24/02/2019

FastNote [C:\Users\USER\AndroidStudioProjects\FastNote] - ...app\src\main\java\com\example\fastnote\PeopleAdapter.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

FastNote app src main java com example fastnote PeopleAdapter

```
45        linear = v.findViewById(R.id.linear_row);
46    }
47
48    @Override
49    public void onBindViewHolder(ViewHolder holder, int position) {
50        final People job = jobList.get(position);
51        holder.mTextNama.setText(job.getNama());
52        //String gender = job.getPekerjaan();
53        holder.mTextPosition.setText(job.getPekerjaan());
54        holder.linear.setOnClickListener(v -> {
55            Intent intent = new Intent(context, DetailPeople.class);
56            intent.putExtra( name: "nama", job.getNama());
57            intent.putExtra( name: "pekerjaan", job.getPekerjaan());
58            intent.putExtra( name: "jk", job.getJk());
59            context.startActivity(intent);
60        });
61
62        if (job.getJk().equals("Male"))
63            holder.imgPeople.setBackgroundResource(R.drawable.boy);
64        else
65            holder.imgPeople.setBackgroundResource(R.drawable.gurl);
66    }
67
68    @Override
69    public int getItemCount() { return jobList.size(); }
70
71    }
72}
```

PeopleAdapter · ViewHolder · ViewHolder()

41:58 CRLF + UTF-8 + Context: <no context> 23:01 24/02/2019