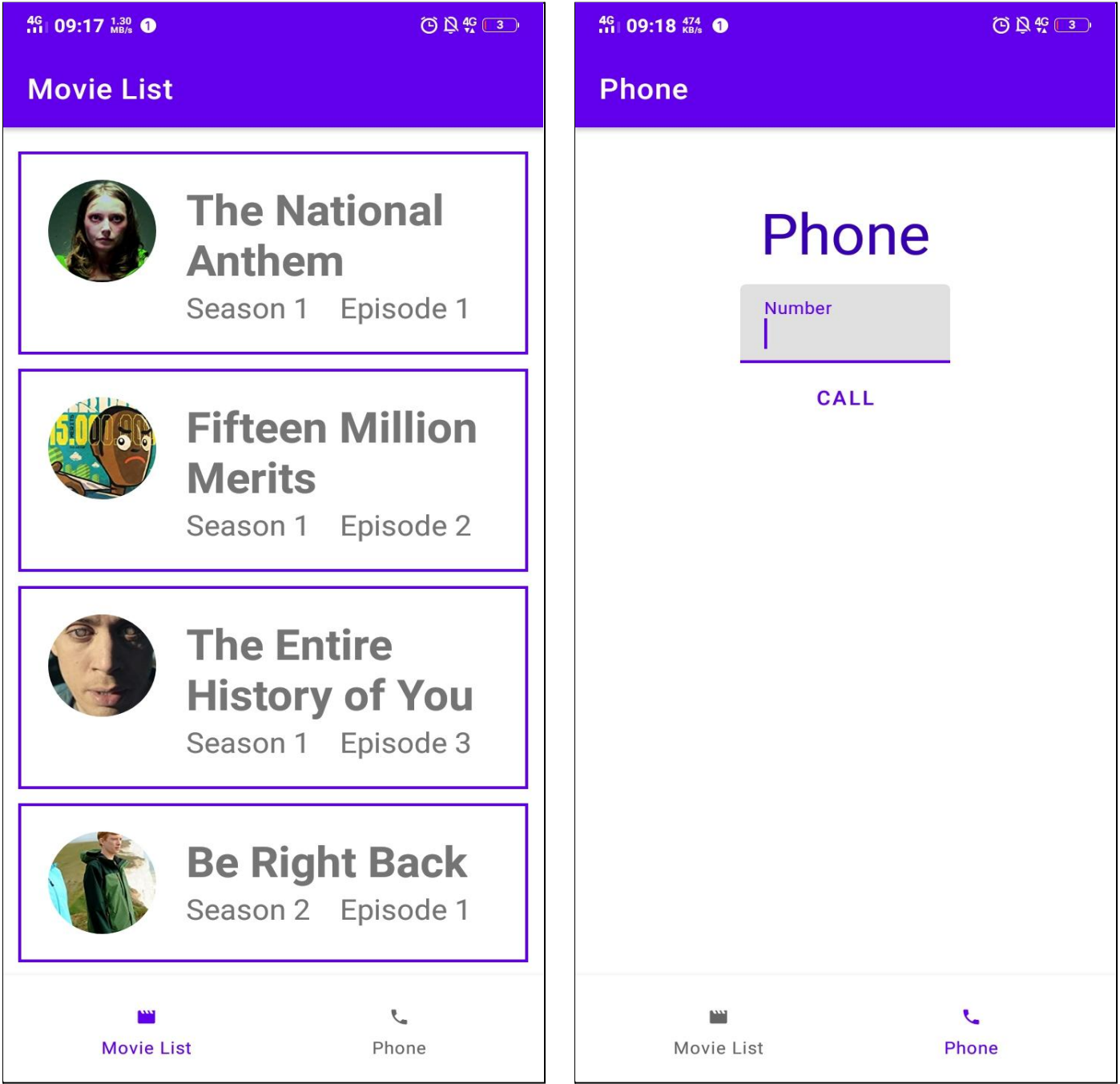


Nama : Demitries Baskhara Rivaldo Tolla
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Kelas : B

Navigation Bar + Fragment



activity_main.xml

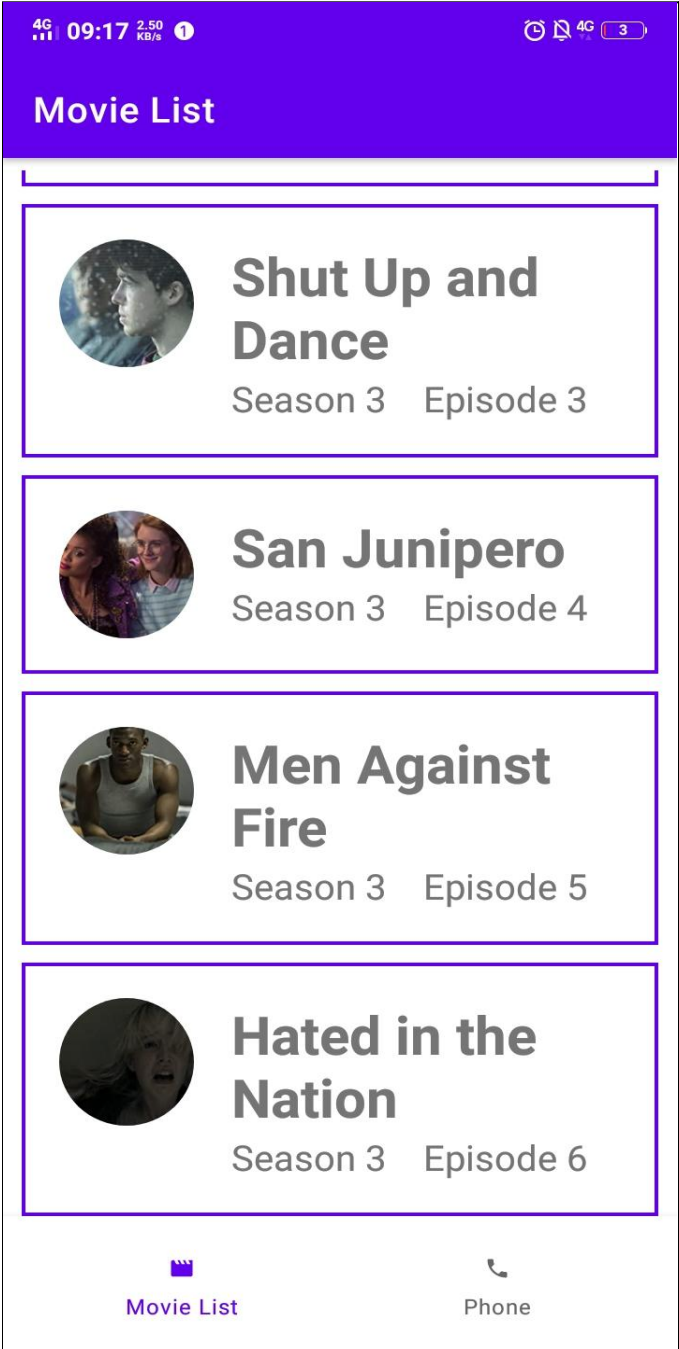
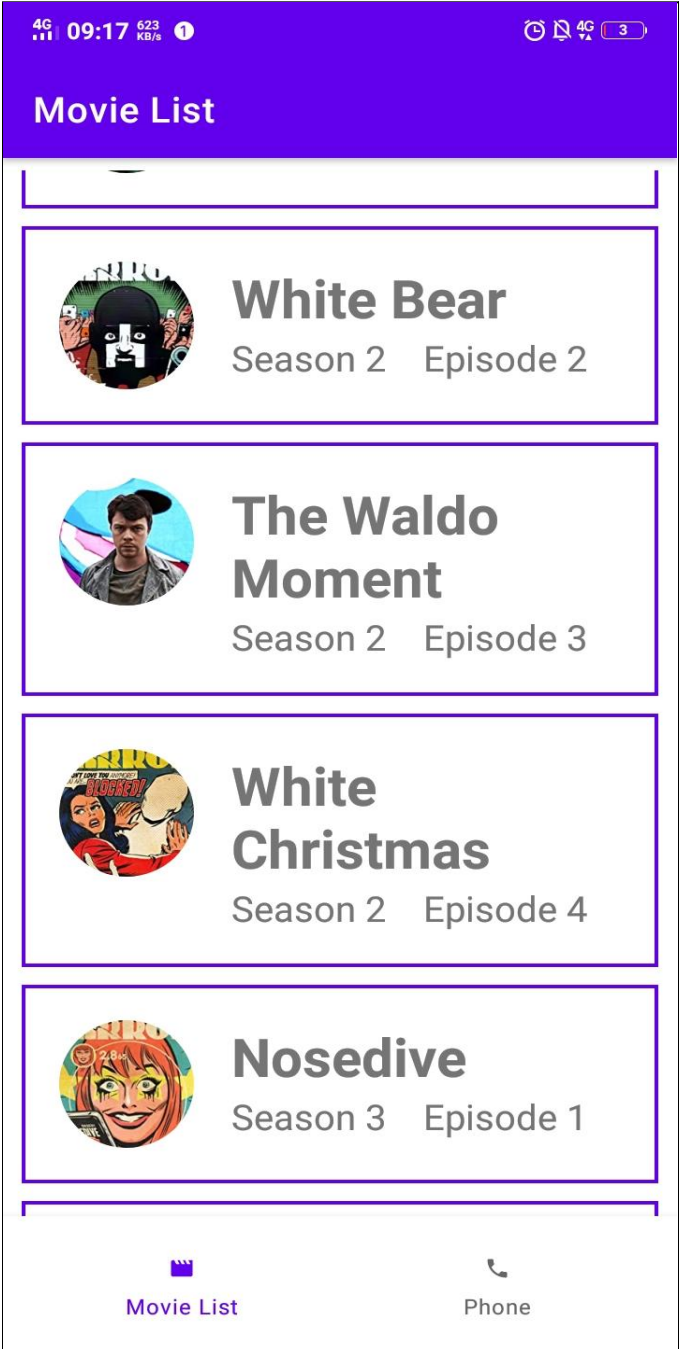
```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:app="http://schemas.android.com/apk/res-auto"
android:id="@+id/container"
android:layout_width="match_parent"
android:layout_height="match_parent"
app:layout_constraintTop_toBottomOf="@id/container">
<com.google.android.material.bottomnavigation.BottomNavigationView
android:id="@+id/nav_view"
android:layout_width="match_parent"
android:layout_height="75dp"
android:layout_marginStart="0dp"
android:layout_marginEnd="0dp"
android:background="?android:attr/windowBackground"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent">
```

```
        app:menu="@menu/bottom_nav_menu" />
<fragment
    android:id="@+id/nav_host_fragment"
    android:name="androidx.navigation.fragment.NavHostFragment"
    android:layout_width="match_parent"
    android:layout_height="590dp"
    app:defaultNavHost="true"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintBottom_toTopOf="@id/nav_view"
    app:navGraph="@navigation/mobile_navigation" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java

```
package com.example.bna;
import android.os.Bundle;
import com.google.android.material.bottomnavigation.BottomNavigationView;
import androidx.appcompat.app.AppCompatActivity;
import androidx.navigation.NavController;
import androidx.navigation.Navigation;
import androidx.navigation.ui.AppBarConfiguration;
import androidx.navigation.ui.NavigationUI;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        BottomNavigationView navView = findViewById(R.id.nav_view);
        AppBarConfiguration appBarConfiguration = new AppBarConfiguration.Builder(
            R.id.navigation_home, R.id.navigation_dashboard,
            R.id.navigation_notifications , R.id.navigation_phone)
            .build();
        NavController navController = Navigation.findNavController(this,
            R.id.nav_host_fragment);
        NavigationUI.setupActionBarWithNavController(this, navController,
            appBarConfiguration);
        NavigationUI.setupWithNavController(navView, navController);
    }
}
```

Fragment 1 - Movie List



card_layout.xml

```
<?xml version="1.0" encoding="utf-8"?> <androidx.appcompat.widget.LinearLayoutCompat
  xmlns:android="http://schemas.android.com/apk/res/android"
  android:layout_width="match_parent"
  android:layout_height="wrap_content"
  android:orientation="horizontal"
  android:background="@drawable/border"
  android:layout_marginTop="10dp"
  android:layout_marginStart="10dp"
  android:layout_marginEnd="10dp"
  android:padding="20dp">
  <androidx.appcompat.widget.AppCompatImageView
    android:id="@+id/ilustration"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:src="@drawable/ic_launcher_background"/>
  <androidx.appcompat.widget.LinearLayoutCompat
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <androidx.appcompat.widget.AppCompatTextView
      android:id="@+id/titleMovie"
      android:layout_width="wrap_content"
      android:layout_height="wrap_content">
```

```

        android:text="@string/test"
        android:textSize="30sp"
        android:textStyle="bold"
        android:layout_marginStart="20sp"/>
<androidx.appcompat.widget.LinearLayoutCompat
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <androidx.appcompat.widget.AppCompatTextView
        android:id="@+id/season"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/test"
        android:textSize="20sp"
        android:layout_marginStart="20sp"/>
    <androidx.appcompat.widget.AppCompatTextView
        android:id="@+id/episode"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/test"
        android:textSize="20sp"
        android:layout_marginStart="20sp"/>
    </androidx.appcompat.widget.LinearLayoutCompat>
</androidx.appcompat.widget.LinearLayoutCompat>
</androidx.appcompat.widget.LinearLayoutCompat>

```

HomeFragment.java

```

package com.example.bna.ui.home;
import android.os.Bundle;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.TextView;
import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.fragment.app.Fragment;
import androidx.lifecycle.Observer;
import androidx.lifecycle.ViewModelProvider;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
import com.example.bna.R;
import java.util.ArrayList;
import java.util.List;
import com.example.bna.R;
public class HomeFragment extends Fragment {
    private HomeViewModel homeViewModel;
    public View onCreateView(@NonNull LayoutInflater inflater,
                             ViewGroup container, Bundle savedInstanceState) {
        View root = inflater.inflate(R.layout.fragment_home, null);
        List<CardData> data = fill_with_data();
        RecyclerView rv = (RecyclerView) root.findViewById(R.id.rv);
        CardAdapter rva = new CardAdapter(data,getContext());
        rv.setAdapter(rva);
        rv.setLayoutManager(new LinearLayoutManager(getContext()));
        return root;
    }
    public List<CardData> fill_with_data(){
        List<CardData> data = new ArrayList<>();
        data.add(new CardData("The National Anthem","Season 1", "Episode 1", "Prime
Minister Michael Callow faces a shocking dilemma when Princess Susannah, a much-loved
member of the Royal Family, is kidnapped.", R.mipmap.movie1));
        data.add(new CardData("Fifteen Million Merits","Season 1", "Episode 2", "In a
world where people's lives consist of riding exercise bikes to gain credits, Bing tries
to help a woman get on to a singing competition show.", R.mipmap.movie2));
        data.add(new CardData("The Entire History of You","Season 1", "Episode 3", "In
the near future, everyone has access to a memory implant that records everything they
do, see and hear. You need never forget a face again - but is that always a good
thing?.", R.mipmap.movie3));
        data.add(new CardData("Be Right Back","Season 2", "Episode 1", "After learning
about a new service that lets people stay in touch with the deceased, a lonely,
grieving Martha reconnects with her late lover.", R.mipmap.movie4));
        data.add(new CardData("White Bear","Season 2", "Episode 2", "Victoria wakes up
and cannot remember anything about her life. Everyone she encounters refuses to

```

```
communicate with her, and they all seem to know something she doesn't. But what?.",
R.mipmap.movie5));
    data.add(new CardData("The Waldo Moment","Season 2", "Episode 3", "A failed
comedian who voices a popular cartoon bear named Waldo finds himself mixing in politics
when TV executives want Waldo to run for office.", R.mipmap.movie6));
    data.add(new CardData("White Christmas","Season 2", "Episode 4", "Three
interconnected tales of technology run amok during the Christmas season are told by two
men at a remote outpost in a frozen wilderness.", R.mipmap.movie7));
    data.add(new CardData("Nosedive","Season 3", "Episode 1", "A woman desperate to
boost her social media score hits the jackpot when she's invited to a swanky wedding,
but the trip doesn't go as planned.", R.mipmap.movie8));
    data.add(new CardData("Playtest","Season 3", "Episode 2", "An American traveler
short on cash signs up to test a revolutionary new gaming system, but soon can't tell
where the hot game ends and reality begins.", R.mipmap.movie9));
    data.add(new CardData("Shut Up and Dance","Season 3", "Episode 3", "When
withdrawn Kenny stumbles headlong into an online trap, he is quickly forced into an
uneasy alliance with shifty Hector, both at the mercy of persons unknown.",
R.mipmap.movie10));
    data.add(new CardData("San Junipero","Season 3", "Episode 4", "When Yorkie and
Kelly visit San Junipero, a fun-loving beach town full of surf, sun and sex, their
lives are changed.", R.mipmap.movie11));
    data.add(new CardData("Men Against Fire","Season 3", "Episode 5", "Future
soldiers Stripe and Raiman must protect frightened villagers from an infestation of
vicious feral mutants.", R.mipmap.movie12));
    data.add(new CardData("Hated in the Nation","Season 3", "Episode 6", "In
near-future London, police detective Karin Parke, and her tech-savvy sidekick Blue,
investigate a string of mysterious deaths with a sinister link to social media.",
R.mipmap.movie13));
    return data;
}
}
```

MyViewHolder.java

```
package com.example.bna.ui.home;
import android.content.Intent;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
import androidx.recyclerview.widget.RecyclerView;
import com.example.bna.R;
public class MyViewHolder extends RecyclerView.ViewHolder {
    TextView myTextView1 , myTextView2 , myTextView3;
    ImageView myImageView;
    MyViewHolder(View itemView){
        super(itemView);
        myTextView1 = itemView.findViewById(R.id.titleMovie);
        myTextView2 = itemView.findViewById(R.id.season);
        myTextView3 = itemView.findViewById(R.id.episode);
        myImageView = itemView.findViewById(R.id.ilustration);
    }
}
```

CardData.java

```
package com.example.bna.ui.home;
public class CardData {
    String titleMovie , season , episode , deskripsi;
    int image;
    public String getTitleMovie() {
        return titleMovie;
    }
    public void setTitleMovie(String titleMovie) {
        this.titleMovie = titleMovie;
    }
    public String getSeason() {
        return season;
    }
    public void setSeason(String season) {
        this.season = season;
    }
}
```

```

    public String getEpisode() {
        return episode;
    }
    public void setEpisode(String episode) {
        this.episode = episode;
    }
    public String getDeskripsi() {
        return deskripsi;
    }
    public void setDeskripsi(String deskripsi) {
        this.deskripsi = deskripsi;
    }
    public int getImage() {
        return image;
    }
    public void setImage(int image) {
        this.image = image;
    }
    public CardData(String titleMovie, String season, String episode, String deskripsi,
int image) {
        this.titleMovie = titleMovie;
        this.season = season;
        this.episode = episode;
        this.deskripsi = deskripsi;
        this.image = image;
    }
}

```

CardAdapter.java

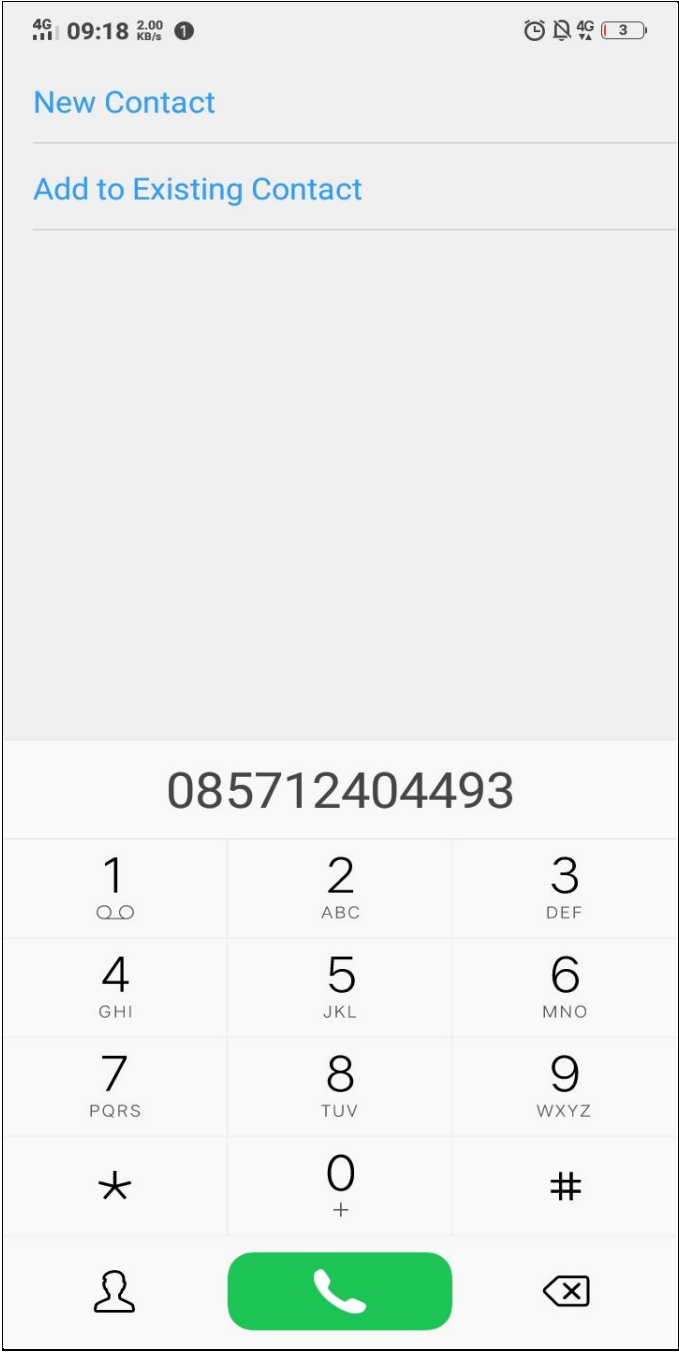
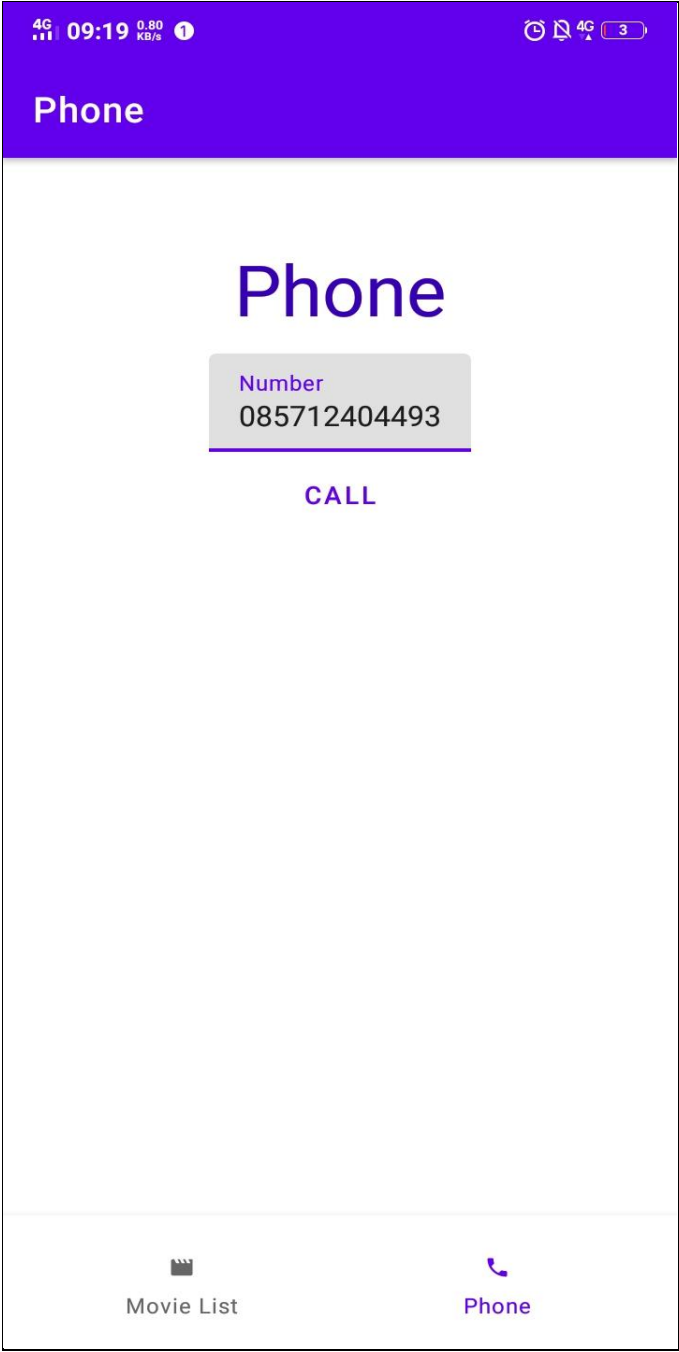
```

package com.example.bna.ui.home;
import android.content.Context;
import android.content.Intent;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;
import java.util.Collections;
import java.util.List;
import com.example.bna.R;
public class CardAdapter extends RecyclerView.Adapter<MyViewHolder> {
    List<CardData> listCardData = Collections.emptyList();
    Context context;
    AdapterView.OnItemClickListener click;
    public CardAdapter(List<CardData> listCardData, Context context) {
        this.listCardData = listCardData;
        this.context = context;
    }
    @Override
    public MyViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        View v =
LayoutInflater.from(parent.getContext()).inflate(R.layout.card_layout,parent,false);
        MyViewHolder mvh = new MyViewHolder(v);
        return mvh;
    }
    @Override
    public void onBindViewHolder(@NonNull MyViewHolder holder, int position) {
        holder.myTextView1.setText(listCardData.get(position).getTitleMovie());
        holder.myTextView2.setText(listCardData.get(position).getSeason());
        holder.myTextView3.setText(listCardData.get(position).getEpisode());
        holder.myImageView.setImageResource(listCardData.get(position).getImage());
        holder.myTextView1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent description = new Intent(v.getContext(),CardDescription.class);
                description.putExtra("title",listCardData.get(position).getTitleMovie());
                description.putExtra("season",listCardData.get(position).getSeason());
                description.putExtra("episode",listCardData.get(position).getEpisode());
                description.putExtra("description",listCardData.get(position).getDeskripsi());
                v.getContext().startActivity(description);
            }
        }
    }
}

```

```
        });  
    }  
    @Override  
    public int getItemCount() {  
        return listCardData.size();  
    }  
}
```

Fragment 2 - Phone



fragment_phone.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    tools:context=".ui.phone.PhoneFragment">
    <androidx.appcompat.widget.AppCompatTextView
        android:id="@+id/textview"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:text="@string/title_phone"
        android:textSize="40dp"
        style="@style/TextAppearance.AppCompat.Large"
        android:layout_marginTop="40dp"
        app:layout_constraintTop_toTopOf="parent"
        android:textColor="@color/purple_700"/>
```



```

<com.google.android.material.textfield.TextInputLayout
    android:id="@+id/abc"
    android:layout_width="140dp"
    android:layout_height="wrap_content"
    app:layout_constraintTop_toBottomOf="@id/textview"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:hint="Number"
    android:layout_marginTop="10dp">
    <com.google.android.material.textfield.TextInputEditText
        android:id="@+id/edittext"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:inputType="number"/>
</com.google.android.material.textfield.TextInputLayout>
<Button
    android:id="@+id/button_call"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    app:layout_constraintTop_toBottomOf="@+id/abc"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    android:text="Call"
    style="@style/Widget.MaterialComponents.Button.TextButton"/>
</androidx.constraintlayout.widget.ConstraintLayout>

```

PhoneFragment.java

```

package com.example.bna.ui.phone;
import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.net.Uri;
import android.os.Bundle;
import androidx.core.app.ActivityCompat;
import androidx.fragment.app.Fragment;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.Button;
import android.widget.EditText;
import com.example.bna.R;
import static android.content.ContentValues.TAG;
public class PhoneFragment extends Fragment {@Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
        Bundle savedInstanceState) {
        View root = inflater.inflate(R.layout.fragment_phone, container, false);
        Button button = (Button) root.findViewById(R.id.button_call);
        EditText nomer = (EditText) root.findViewById(R.id.edittext);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                dialContactPhone(nomer.getText().toString());
            }
        });
        return root;
    }
    private void dialContactPhone(final String phoneNumber) {
        startActivity(new Intent(Intent.ACTION_DIAL, Uri.fromParts("tel", phoneNumber,
null)));
    }
}

```

Activity Description



activity_card_description.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=".ui.home.CardDescription">
    <androidx.appcompat.widget.AppCompatTextView
        android:id="@+id/titleDescription"
        android:text="@string/test"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:textSize="50dp"
        android:gravity="center"
        android:textStyle="bold"
        android:layout_marginTop="20dp"/>
    <androidx.appcompat.widget.AppCompatTextView
        android:id="@+id/seasonDescription"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```

        android:text="@string/test"
        android:textSize="20dp"
        app:layout_constraintTop_toBottomOf="@+id/titleDescription"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginEnd="100dp"/>
<androidx.appcompat.widget.AppCompatTextView
    android:id="@+id/episodeDescription"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/test"
    android:textSize="20dp"
    app:layout_constraintTop_toBottomOf="@+id/titleDescription"
    app:layout_constraintStart_toEndOf="@id/seasonDescription"
    android:layout_marginStart="10dp"/>
<androidx.appcompat.widget.AppCompatTextView
    android:id="@+id/descriptionDescription"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/test"
    android:textSize="20dp"
    app:layout_constraintTop_toBottomOf="@id/episodeDescription"
    app:layout_constraintStart_toStartOf="parent"
    android:gravity="center"
    android:layout_marginTop="10dp"/>
</androidx.constraintlayout.widget.ConstraintLayout>

```

CardDescription.java

```

package com.example.bna.ui.home;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.widget.ImageView;
import android.widget.TextView;
import com.example.bna.R;
import org.w3c.dom.Text;
public class CardDescription extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_card_description);
        Intent i = getIntent();
        Bundle b = i.getExtras();
        TextView tvTitle = (TextView) findViewById(R.id.titleDescription);
        TextView tvSeason = (TextView) findViewById(R.id.seasonDescription);
        TextView tvEpisode = (TextView) findViewById(R.id.episodeDescription);
        TextView tvDescription = (TextView) findViewById(R.id.descriptionDescription);
        String titleExtra = (String) b.get("title");
        String seasonExtra = (String) b.get("season");
        String episodeExtra = (String) b.get("episode");
        String descriptionExtra = (String) b.get("description");
        tvTitle.setText(titleExtra);
        tvSeason.setText(seasonExtra);
        tvEpisode.setText(episodeExtra);
        tvDescription.setText(descriptionExtra);
    }
}

```