Code Snippet 1(MainActivity)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageButton;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    ImageButton    iv,iv2;
    TextView tv;

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

        iv=(ImageButton) findViewById(R.id.imageButton);
        tv=(TextView) findViewById(R.id.textView);
        iv2=(ImageButton) findViewById(R.id.IB2);
    }

    public void kou(View v)
    {
        Intent intent= new Intent(this, Processmodels.class);
        startActivity(intent);
    }

    public void req(View v)
    {
        Intent intent= new Intent(this, Requirements.class);
        startActivity(intent);

    }
}
```

Code Snippet 2 (Process Models Activity)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.ImageButton;
import android.widget.TextView;

public class Processmodels extends AppCompatActivity {

    ImageButton ib2,ib3,ib4,ib5;
    TextView v;

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

        ib2=(ImageButton) findViewById(R.id.ib2);
        ib3=(ImageButton) findViewById(R.id.ib3);
        ib4=(ImageButton) findViewById(R.id.ib4);
        ib5=(ImageButton) findViewById(R.id.ib5);
        v=findViewById(R.id.textView5);
    }

    public void mai(View view)
    {
        Intent intent=new Intent(this,Veemodel.class);
        startActivity(intent);
    }

    public void prot(View b)
    {
```

```
        Intent intne=new Intent(this,Prototypemodel.class);
        startActivity(intne);
    }

    public void wer(View r)
    {
        Intent intent=new Intent(this,Waterfallmodel.class);
        startActivity(intent);
    }

    public void poi(View v)
    {
        Intent intent=new Intent(this,Iterativemodel.class);
        startActivity(intent);
    }
}
```

Code Snippet 3 (Customization Activity)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import android.widget.Toast;
```

```
public class Requirements extends AppCompatActivity {

    RadioGroup rg;
    RadioButton rb1,rb2;
    TextView tv1,tv2;
    Button b;

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

        rg=(RadioGroup) findViewById(R.id.radioGroup);
        tv1=(TextView) findViewById(R.id.textView2);
        tv2=(TextView) findViewById(R.id.textView3);
        rb1=(RadioButton) findViewById(R.id.radbut1);
        rb2=(RadioButton) findViewById(R.id.radbut2);
        b=findViewById(R.id.button2);


        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                    if (rb1.isChecked()) {
                        Intent in = new Intent(Requirements.this, sns.class);
                        startActivity(in);
                    }
                    else if (rb2.isChecked())
                    {
                        Intent in2= new Intent(Requirements.this, lnc.class);
                        startActivity(in2);
                    }
                    else
                        Toast.makeText(getApplicationContext(),"Please
select one option",Toast.LENGTH_SHORT).show();

                }


            });
    }
}
```

Code Snippet 4 (Waterfall Model)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.Html;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ImageView;
import android.widget.Spinner;
import android.widget.TextView;

public class Waterfallmodel extends AppCompatActivity {

    Spinner spinner;
    TextView textView;
    ImageView df;

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

        spinner=findViewById(R.id.spinner);
        textView=findViewById(R.id.text);
        df=findViewById(R.id.was);

        spinner.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener() {
```

```
                @Override
                public void onItemSelected(AdapterView<?> parent, View view, int
position, long id) {
                    if(spinner.getSelectedItemId()==0)
                    {
                        textView.setText(R.string.waterfall_definition);
                    }
                    else if (spinner.getSelectedItemId()==1)
                    {
                        textView.setText(R.string.waterfall_advantages);
                    }
                    else if(spinner.getSelectedItemId()==2)
                    {
                        textView.setText(R.string.waterfall_disadvantages);
                    }
                }

                @Override
                public void onNothingSelected(AdapterView<?> parent) {

                }
            });
        }
}
```

Code Snippet 5 (V Model)

```
package com.example.processselectionsystem;
```

```
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Spinner;
import android.widget.TextView;

public class Veemodel extends AppCompatActivity {

    Spinner spinner;
    TextView textView;

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

        spinner=findViewById(R.id.spinner);
        textView=findViewById(R.id.text);

        spinner.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int
position, long id) {
                if(spinner.getSelectedItemId()==0)
                    textView.setText(R.string.vmodel_definition);
                else if(spinner.getSelectedItemId()==1)
                    textView.setText(R.string.vmodel_advantages);
                else if(spinner.getSelectedItemId()==2)
                    textView.setText(R.string.vmodel_disadvantages);
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {

            }
        });

    }
}
```

Code Snippet 6 (Prototype Model)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Spinner;
import android.widget.TextView;

public class Prototypemodel extends AppCompatActivity {

    Spinner spinner;
    TextView textView;

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

        spinner=findViewById(R.id.spinner);
        textView=findViewById(R.id.text);

        spinner.setOnItemSelectedListener(new
AdapterView.OnItemSelectedListener() {
            @Override
```

```
                public void onItemSelected(AdapterView<?> parent, View view, int
    position, long id) {
                    if(spinner.getSelectedItemId()==0)
                        textView.setText(R.string.protmodel_definition);
                    else if(spinner.getSelectedItemId()==1)
                        textView.setText(R.string.protmodel_advantages);
                    else if(spinner.getSelectedItemId()==2)
                        textView.setText(R.string.protmodel_disadvantages);
                }

                @Override
                public void onNothingSelected(AdapterView<?> parent) {

                }
            });
        }
    }
```

Code Snippet 7 (Iterative Model)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.Spinner;
import android.widget.TextView;
```

```
public class Iterativemodel extends AppCompatActivity {

    Spinner spinner;
    TextView textView;

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

        spinner=findViewById(R.id.spinner);
        textView=findViewById(R.id.text);

        spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int position,
long id) {
                if(spinner.getSelectedItemId()==0)
                    textView.setText(R.string.iterative_definition);
                else if(spinner.getSelectedItemId()==1)
                    textView.setText(R.string.iterative_advantages);
                else if (spinner.getSelectedItemId()==2)
                    textView.setText(R.string.iterative_disadvantages);
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {

            }
        });} }
```

Code Snippet 8 (Short & Simple)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.TextView;
import android.widget.Toast;

public class sns extends AppCompatActivity {

    TextView gg1;
    CheckBox kk1,kk2,kk3,kk4,kk5;
    Button b;

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

        gg1=findViewById(R.id.qw2);
        kk1=findViewById(R.id.er);
        kk2=findViewById(R.id.er2);
        kk3=findViewById(R.id.er3);
        kk4=findViewById(R.id.er4);
        kk5=findViewById(R.id.er5);
        b=findViewById(R.id.bu);

    }
    public void Any(View view)
    {
                    if (kk2.isChecked() || kk1.isChecked()) //Process measurer OR
Debugging and Testing
                    {
                        Intent nt= new Intent(this, Vmodel.class);
                        startActivity(nt);
                    }
                    else if (kk3.isChecked() || kk4.isChecked() || kk5.isChecked()) //Easy
to manage OR Static technology OR Completion of phases one by one
                    {
                        Intent intent= new Intent(this, Wmodel.class);
                        startActivity(intent);
```

```
                    }
                    else
                        Toast.makeText(getApplicationContext(),"Please select at least
    1 option",Toast.LENGTH_SHORT).show();
        }
    }
```

Code Snippet 9 (Long & Complex)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.CheckBox;
import android.widget.TextView;
import android.widget.Toast;

public class lnc extends AppCompatActivity {
    TextView tv1;
    CheckBox cb1,cb2,cb3,cb4,cb5,cb6;
    Button b;

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

```
            tv1 = findViewById(R.id.textView2);
            cb1 = findViewById(R.id.checkBox);
            cb2 = findViewById(R.id.checkBox2);
            cb3 = findViewById(R.id.checkBox3);
            cb4 = findViewById(R.id.checkBox4);
            cb5 = findViewById(R.id.checkBox5);
            cb6 = findViewById(R.id.checkBox6);
            b = findViewById(R.id.button);

      }
      public void mnb(View v)
      {
                  if (cb1.isChecked() || cb2.isChecked() || cb4.isChecked() || cb5.isChecked())
//Debugging & Testing OR Process measurer OR Risk analysis OR Clear communication
                  {
                        Intent nt = new Intent(this, Iteramodel.class);
                        startActivity(nt);
                  } else if (cb3.isChecked() || cb6.isChecked()) //Dynamic technology OR
OOP related
                  {
                        Intent nt = new Intent(this, Protomodel.class);
                        startActivity(nt);
                  }
                  else
                        Toast.makeText(getApplicationContext(),"Please select at least 1
option",Toast.LENGTH_SHORT).show();
      }
}
```

Code Snippet 10 (Suggesting Waterfall Model)

```
package com.example.processselectionsystem;
```

```
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.Html;
import android.view.View;
import android.widget.ImageButton;
import android.widget.TextView;

public class Wmodel extends AppCompatActivity {

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

		TextView tv=findViewById(R.id.t);
		ImageButton im=findViewById(R.id.ib2);

		String x="We suggest <b>Waterfall model</b> according to your
requirements";
		tv.setText(Html.fromHtml(x));

	}

	public void dg(View v)
	{
		Intent ser=new Intent(this,Waterfallmodel.class);
		startActivity(ser);
	}

}
```

Code Snippet 11 (Suggesting V Model)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.Html;
import android.view.View;
import android.widget.ImageButton;
import android.widget.TextView;

public class Vmodel extends AppCompatActivity {

    TextView tv;

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

        tv=findViewById(R.id.textView4);
        ImageButton imageButton=findViewById(R.id.ib5);

        String x="We suggest <b>V-model</b> according to your requirements";
        tv.setText(Html.fromHtml(x));

    }

    public void dfg(View v)
    {
        Intent intent=new Intent(this,Veemodel.class);
        startActivity(intent);
    }
}
```

Code Snippet 12 (Suggesting Prototype Model)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.Html;
import android.view.View;
import android.widget.ImageButton;
import android.widget.TextView;

public class Protomodel extends AppCompatActivity {

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

        ImageButton im=findViewById(R.id.ib4);
        TextView t=findViewById(R.id.tau);

        String x="We suggest <b>Prototype model</b> according to your
requirements";
        t.setText(Html.fromHtml(x));
    }

    public void fun(View b)
    {
        Intent inty=new Intent(this,Prototypemodel.class);
        startActivity(inty);
    }
}
```

Code Snippet 13 (Suggesting Iterative Model)

```
package com.example.processselectionsystem;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.text.Html;
import android.view.View;
import android.widget.ImageButton;
import android.widget.TextView;

public class Iteramodel extends AppCompatActivity {

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

        ImageButton im=findViewById(R.id.ib3);
        TextView t=findViewById(R.id.tex);

        String x="We suggest <b>Iterative model</b> according to your
requirements";
        t.setText(Html.fromHtml(x));
    }

    public void nuf(View r)
    {
        Intent uyt=new Intent(this,Iterativemodel.class);
        startActivity(uyt);
    }
}
```