GOVERNMENT

POLYTECHNIC

Ranchi

Project Work

Department:- Computer Science & Engineering

Project Report

BRAIN NOTE

Submitted By:

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Session:- 2019-2022

CERTIFICATE

Certified that this is a bonafide record of the project work titled.

BRAIN NOTES

DONE BY:

Shraddha Nand Pandey

Sujit Kumar Rajak

Mithlesh Kumar

Of VI semester DIPLOMA in the year 2022 in Partial fulfillment of the requirement for award of degree of DIPLOMA of computer science & engineering.

PROJECT GUIDE:-

………………………… ………………………………. …………………………..

Mrs. Preeti Priyanka Mrs. Madhuri kumari Mr. Prabhat Ranjan

HOD:- ……………………………………

(MR. SHIVRAJ MITRA)

ACKNOWLEDGEMENT

We take this opportunity to express a deep sense of gratitude towards our supervisor Mrs. PREETI PRIYANKA , Miss. MADHURI KUMARI , MR. PRABHAT RANJAN Assistant Professor , Department of computer science & engineering of GOVERMENT POLYTECHNIC RANCHI , JHARKHAND . India for providing excellent supervisor , encouragement and inspiration throughout the project work. Without all invaluable supervision , this work would never have been completed in proper time.

We also wish to thank our department coordinator Faculty of computer science & engineering , Government Polytechnic Ranchi for this inspiration, suggestion and the extended facilities provided by all. Without all cooperation , our project work would not have reached its completion.

We also want to thanks Our Principal Mr. RANJEET KUMAR SAHA of Government Polytechnic Ranchi for his valuable inspiration and help.

We thanks to all friend and teacher who came up with valuable suggestion and ideas for improving our work and our family who cooperated with us.

Once Again , Thanks to everyone for making this project successful.

DECLARATION

I Hereby, declare that the work is presented in the project report entitled "ANDROID DEVELOPMENT" (**BRAIN NOTES**) in partial fulfillment of the recruitment for award of DIPLOMA IN COMPUTER SCIENCE & ENGINEERING is an authentic record of our carried out under the able guidance of Mrs. Preeti Priyanka , Miss. Madhuri Kumari and Mr. Prabhat Ranjan.

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INTRODUCTION

Our project BRAIN NOTES provide easy access of notes for students since they are available to them at anytime and anywhere . Our main aim is to provide notes of all subject to students of all semesters at one platform.

It would be a lot easier if wet got notes of all subjects for all semesters at one single platform . This system would make it way more easier for both students as well as teachers.

As we need to search in different whatsapp group for different subjects or in a completely different app like google classroom this makes the works of students tedious . this is what idea hit us "why not create a platform where we got all subjects notes for each and every semesters at one place"?

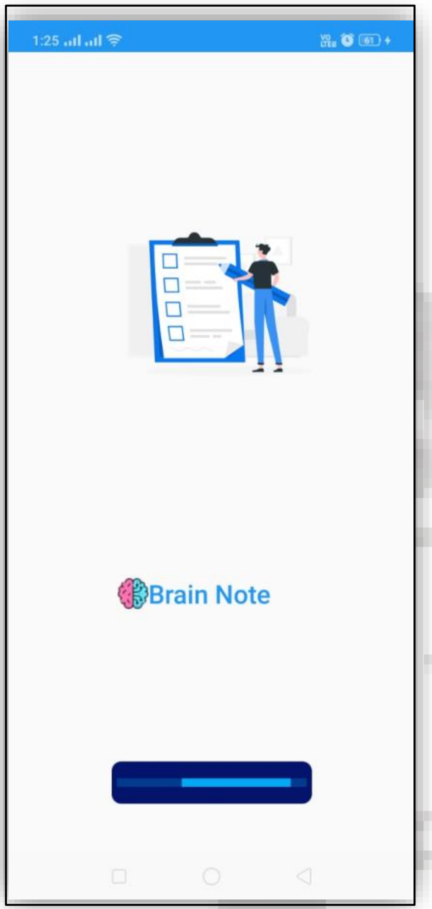
Brain Note

1. MANIFEST FILE:

The manifest file **describes essential information about your app to the Android build tools**, the Android operating system, and Google Play.

Code:

```xml
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.simplenoteapplication">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/AppTheme">
        <activity
            android:name=".SplashActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER"/>
            </intent-filter>

           </activity>
        <activity android:name=".NoteDetailActivity" />
        <activity android:name=".MainActivity">

        </activity>
    </application>

</manifest>
```



Splash Screen:

A splash screen is mostly the first screen of the app when it is opened. It is a constant screen that appears for a specific amount of time, generally shown for the first time when the app is launched.

Activiy_splash.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=".SplashActivity">

<com.airbnb.lottie.LottieAnimationView
android:id="@+id/animationView"
android:layout_width="220dp"
android:layout_height="240dp"
app:layout_constraintBottom_toTopOf="@+id/textView"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:lottie_autoPlay="true"
app:lottie_loop="true"
app:lottie_rawRes="@raw/lottie"
tools:ignore="MissingConstraints" />

<ProgressBar
android:id="@+id/progressBar2"
style="?android:attr/progressBarStyleHorizontal"
android:layout_width="209dp"
android:layout_height="44dp"
android:layout_marginBottom="52dp"
android:background="@drawable/prback"
android:indeterminate="true"
android:paddingStart="5dp"
android:paddingEnd="5dp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent" />

<TextView
android:id="@+id/textView"
android:layout_width="216dp"
```

```
android:layout_height="79dp"
android:drawableLeft="@drawable/brain"
android:foregroundGravity="center"
android:gravity="center|fill"
android:paddingLeft="10dp"
android:paddingTop="10dp"
android:text="Brain Note"
android:textColor="#2196F3"
android:textSize="20sp"
android:textStyle="bold"
app:layout_constraintBottom_toTopOf="@+id/progressBar2"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.5"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toBottomOf="@+id/animationView" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

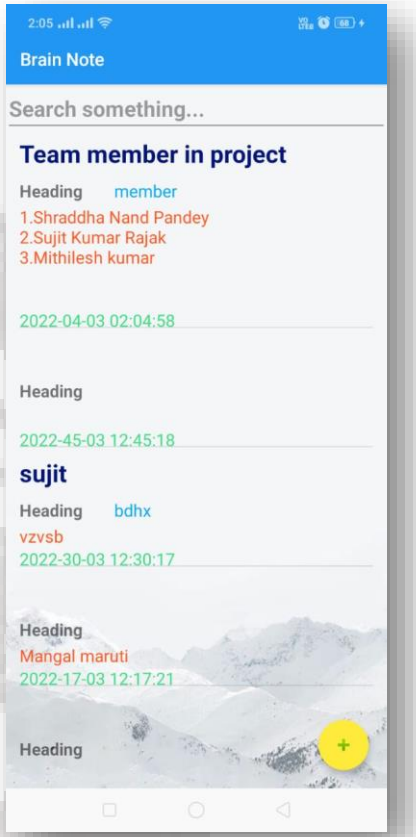
ActivityLogin.java

```
package com.example.simplenoteapplication;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.os.Handler;
public class SplashActivity extends Activity {

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

handler=new Handler();
handler.postDelayed(new Runnable() {
@Override
public void run() {
Intent intent=new Intent(SplashActivity.this,MainActivity.class);
startActivity(intent);
finish();
}
},3000);

}
}
```

Home Activity : An activity represents a single screen with a user interface just like window or frame of Java. It is the main activity of the class.

2. activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
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"
android:background="@drawable/day_theme1" >

<EditText
android:id="@+id/searchBar"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:hint="Search something..."
android:textColor="#03A9F4"

android:textStyle="bold" />

<ListView
android:id="@+id/listView"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_alignParentTop="true"
android:layout_centerHorizontal="true"
android:layout_marginStart="15dp"
android:layout_marginTop="@android:dimen/app_icon_size"
android:layout_marginEnd="15dp"
android:cacheColorHint="#00000000"></ListView>

<com.google.android.material.floatingactionbutton.FloatingActionButton
android:id="@+id/fab"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="bottom|end"
android:layout_marginEnd="20dp"
android:layout_marginBottom="20dp"
android:background="@android:color/darker_gray"
android:clickable="true"
android:focusable="true"
app:backgroundTint="#FFEB3B"
app:srcCompat="@android:drawable/ic_input_add" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>
```



2:05

Brain Note

Search something...

Team member in project

Heading member

1.Shraddha Nand Pandey
2.Sujit Kumar Rajak
3.Mithilesh kumar

2022-04-03 02:04:58

Heading

2022-45-03 12:45:18

sujit

Heading bdhx

vzvsb

2022-30-03 12:30:17

Heading

Mangal maruti

2022-17-03 12:17:21

Heading

MainAcitivity.java

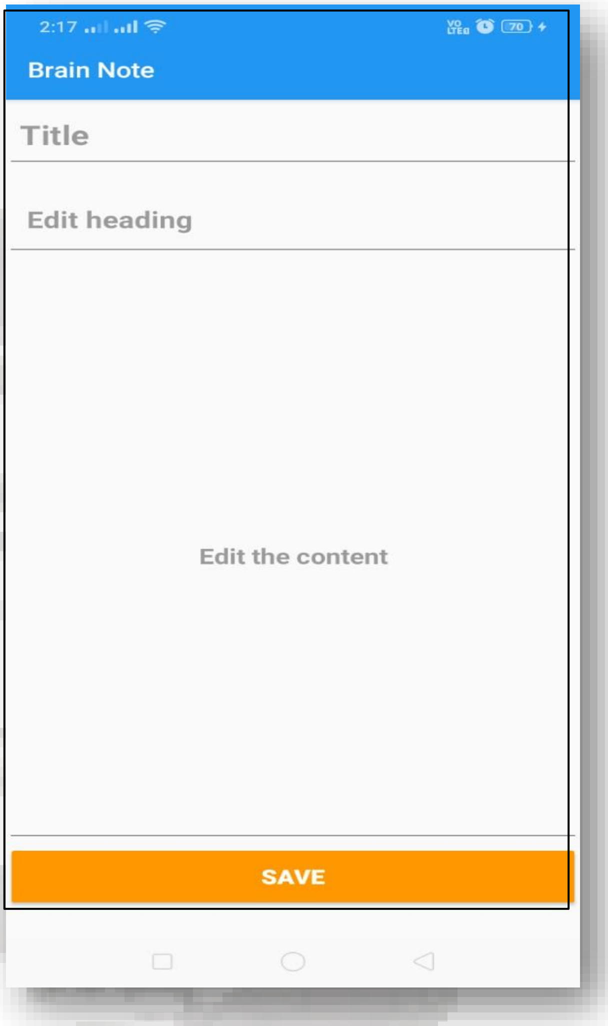
```
package com.example.simplenoteapplication;

import androidx.annotation.Nullable;
import androidx.annotation.RequiresApi;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Context;
import android.content.Intent;
import android.content.SharedPreferences;
import android.os.Build;
import android.os.Bundle;
import android.os.Parcelable;
import android.text.Editable;
import android.text.TextWatcher;
import android.view.ContextMenu;
import android.view.MenuInflater;
import android.view.MenuItem;
import android.view.View;
import android.widget.AdapterView;
import android.widget.EditText;
import android.widget.ListView;
import android.widget.Toast;

import com.google.android.material.floatingactionbutton.FloatingActionButton;
import com.google.gson.Gson;
import com.google.gson.annotations.SerializedName;
import com.google.gson.reflect.TypeToken;

import java.io.Serializable;
import java.lang.reflect.Type;
import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {
public static final String EXTRA_MESSAGE = "com.example.android.Simple Note
application.Extra.Object";
public static final int TEXT_REQUEST = 1;
public static int positionToBeChanged = 0;
public static boolean isAddingNewNote = false;
public ArrayList<NoteInfo> note_details;
private ListView listView;
private EditText editSearch;
private NoteAdapter adapter;

@Override
protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
note_details = getListData();
listView = findViewById(R.id.listView);
editSearch = findViewById(R.id.searchBar);

adapter = new NoteAdapter(this,note_details);
listView.setAdapter(adapter);

listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
@Override
public void onItemClick(AdapterView<?> adapterView, View view, int position, long l) {
positionToBeChanged = position;
NoteInfo message = (NoteInfo) adapterView.getItemAtPosition(position);
Intent intent = new Intent(getApplicationContext(),NoteDetailActivity.class);
intent.putExtra(MainActivity.EXTRA_MESSAGE, (Serializable) message);
startActivityForResult(intent,TEXT_REQUEST);
}
});
editSearch.addTextChangedListener(new TextWatcher() {
@Override
public void beforeTextChanged(CharSequence charSequence, int i, int i1, int i2) {
}

@Override
public void onTextChanged(CharSequence charSequence, int i, int i1, int i2) {

}

@Override
public void afterTextChanged(Editable editable) {
String text = editSearch.getText().toString().toLowerCase();
adapter.filter(text);
}
});

FloatingActionButton fab = findViewById(R.id.fab);
fab.setOnClickListener(new View.OnClickListener() {
@RequiresApi(api = Build.VERSION_CODES.O)
@Override
public void onClick(View view) {
isAddingNewNote = true;
Intent intent = new Intent(getApplicationContext(), NoteDetailActivity.class);
NoteInfo message = new NoteInfo("", "", "");
intent.putExtra(MainActivity.EXTRA_MESSAGE,message);
startActivityForResult(intent, TEXT_REQUEST);
}
});
registerForContextMenu(listView);
}


@Override
```

```
protected void onPause() {
super.onPause();
saveData();
}
@Override
protected void onStop() {
super.onStop();
saveData();
}

private void saveData(){
SharedPreferences prefs=this.getSharedPreferences("MyList",Context.MODE_PRIVATE);
SharedPreferences.Editor edit=prefs.edit();
Gson gson = new Gson();
String json = gson.toJson(note_details);
edit.putString("MyList", json);
edit.commit();

}



@Override
public void onCreateContextMenu(ContextMenu menu, View v,
ContextMenu.ContextMenuInfo menuInfo)
{
super.onCreateContextMenu(menu, v, menuInfo);
MenuInflater inflater = getMenuInflater();
inflater.inflate(R.menu.context_menu,menu);
}

@Override
public boolean onContextItemSelected(MenuItem item){
if(item.getItemId()==R.id.optionDelete){
AdapterView.AdapterContextMenuInfo info = (AdapterView.AdapterContextMenuInfo)
item.getMenuInfo();
int index = info.position;
switch(item.getItemId()){
case R.id.optionDelete:
{
note_details.remove(index);
adapter.notifyDataSetChanged();
listView.setAdapter(adapter);
Toast.makeText(getApplicationContext(),"Deleted!",Toast.LENGTH_LONG).show();
} break;
}
}

return true;
}
@Override
```

```
protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
super.onActivityResult(requestCode, resultCode, data);
if (requestCode == TEXT_REQUEST){
if(resultCode == RESULT_OK){
NoteInfo reply = (NoteInfo) data.getSerializableExtra(NoteDetailActivity.EXTRA_REPLY);
final ListView listView = findViewById(R.id.listView);

if(isAddingNewNote == true){
note_details.add(0,reply);
}
else{
note_details.remove(positionToBeChanged);
note_details.add(positionToBeChanged,reply);
}

isAddingNewNote = false;
saveData();
adapter = new NoteAdapter(this,note_details);
listView.setAdapter(adapter);
}
}
}
private ArrayList<NoteInfo> getListData(){
SharedPreferences prefs=this.getSharedPreferences("MyList", Context.MODE_PRIVATE);
Gson gson = new Gson();
String json = prefs.getString("MyList",null);
Type type = new TypeToken<ArrayList<NoteInfo>>() {}.getType();
note_details = gson.fromJson(json,type);
if (note_details == null)
{
note_details = new ArrayList<>();
}
return note_details;
}
}
```

item_note_detail.xml

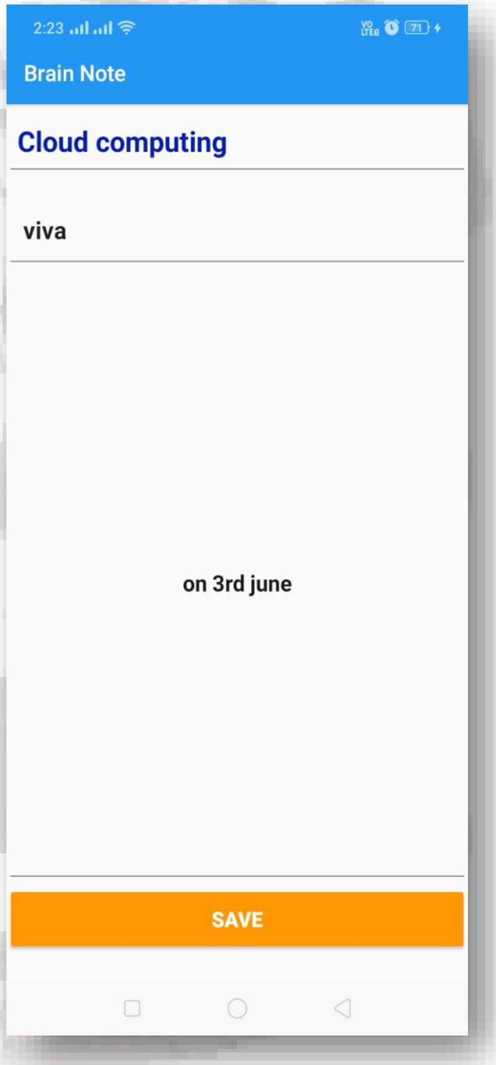
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
android:orientation="vertical"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".NoteDetailActivity">

<EditText
```



```
android:id="@+id/title_edit"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_weight="2"
android:hint="@string/edit_the_title"
android:padding="10dp"
android:textColor="#041EAF"
android:textSize="25dp"
android:textStyle="bold" />

<EditText
android:id="@+id/tag_edit"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@id/title_edit"
android:layout_marginTop="10dp"
android:layout_marginBottom="10dp"
android:layout_weight="2"
android:hint="@string/edit_the_tag"
android:padding="15dp"
android:textSize="16sp"
android:textStyle="bold" />

<EditText
android:id="@+id/content_edit"
android:layout_width="match_parent"
android:layout_height="420dp"
android:layout_below="@id/tag_edit"
android:layout_weight="20"
android:gravity="center"
android:hint="@string/edit_the_content"
android:textColor="#1C1C1C"
android:textSize="20dp"
android:textStyle="bold" />

<Button
android:id="@+id/button_save"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_below="@id/content_edit"
android:layout_alignParentEnd="true"
android:layout_marginBottom="25dp"
android:layout_weight="2"
android:backgroundTint="#FF9800"
android:onClick="SaveNoteDetailsClick"
android:text="@string/save"
android:textColor="#FFFFFF"
android:textStyle="bold" />
</LinearLayout>
```

Item_note.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:layout_marginLeft="18dp"
android:layout_marginVertical="30dp">

<TextView
android:id="@+id/textTitle"
android:layout_width="378dp"
android:layout_height="37dp"
android:layout_marginTop="10dp"
android:layout_marginEnd="10dp"
android:layout_marginBottom="10dp"
android:gravity="center_vertical"
android:textColor="#031477"
android:textSize="20sp"
android:textStyle="bold" />

<RelativeLayout
android:id="@+id/tag_layout"
android:layout_width="381dp"
android:layout_height="29dp"
android:layout_below="@id/textTitle">

<TextView
android:id="@+id/tag_prompt"
android:layout_width="75dp"
android:layout_height="match_parent"
android:layout_marginRight="10dp"
android:text="Heading : "
android:textStyle="bold" />

<TextView
android:id="@+id/textTag"
android:layout_width="wrap_content"
```

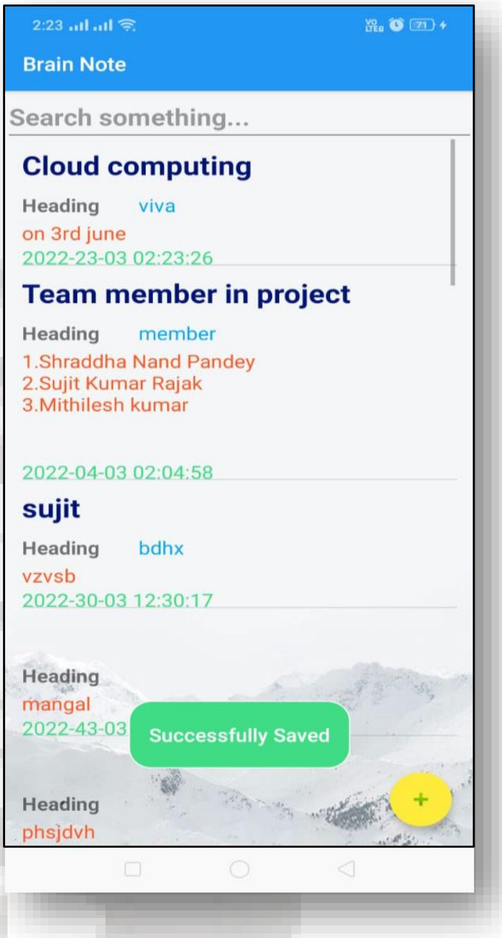


Cloud computing

viva

on 3rd june

```
android:layout_height="20dp"
android:layout_marginLeft="20dp"
android:layout_toRightOf="@id/tag_prompt"
android:textColor="#03A9F4" />


</RelativeLayout>

<TextView
android:id="@+id/textContent"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_below="@id/tag_layout"
android:textColor="#FF5722" />

<TextView
android:id="@+id/noteDate"
android:layout_width="wrap_content"
android:layout_height="20dp"
android:layout_below="@id/textContent"
android:gravity="center_vertical"
android:textColor="#3fdc85" />
</RelativeLayout>
```



2:23

Brain Note

Search something...

Cloud computing

Heading viva

on 3rd june

2022-23-03 02:23:26

Team member in project

Heading member

1.Shraddha Nand Pandey
2.Sujit Kumar Rajak
3.Mithilesh kumar

2022-04-03 02:04:58

sujit

Heading bdhx

vzvsb

2022-30-03 12:30:17

Heading

mangal

2022-43-03

Successfully Saved

Heading

phsjdvh

NoteAdapter : Java code

```
package com.example.simplenoteapplication;

import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.TextView;

import java.util.ArrayList;

public class NoteAdapter extends BaseAdapter {
private ArrayList<NoteInfo> _noteList;
private LayoutInflater _layoutInflater;
private Context _context;
ArrayList<NoteInfo> arrNoteTemp ;


public NoteAdapter(Context aContext, ArrayList<NoteInfo> note_details) {
this._context = aContext;
this._noteList = new ArrayList<NoteInfo>(note_details);
_layoutInflater = LayoutInflater.from(aContext);
```

```
arrNoteTemp = new ArrayList<NoteInfo>(_noteList);
}

static class ViewHolder {
TextView editTitleView;
TextView editTagView;
TextView editContentView;
TextView dateView;
}

@Override
public long getItemId(int position) {
return position;
}

@Override
public int getCount() {
return _noteList.size();
}

@Override
public Object getItem(int index) {
return _noteList.get(index);
}

@Override
public View getView(int index, View convertView, ViewGroup viewGroup) {
ViewHolder viewHolder;

if (convertView == null) {
convertView = _layoutInflater.inflate(R.layout.item_note, null);
viewHolder = new ViewHolder();
viewHolder.editTitleView = (TextView) convertView.findViewById(R.id.textTitle);
viewHolder.editTagView= (TextView) convertView.findViewById(R.id.textTag);
viewHolder.editContentView = (TextView) convertView.findViewById(R.id.textContent);
viewHolder.dateView = (TextView) convertView.findViewById(R.id.noteDate);
convertView.setTag(viewHolder);
} else {
viewHolder = (ViewHolder) convertView.getTag();
}

NoteInfo noteInfo = this._noteList.get(index);
viewHolder.editTitleView.setText(noteInfo.get_Title());
viewHolder.editTagView.setText((noteInfo.get_Tag()));
viewHolder.editContentView.setText(noteInfo.get_Content());
viewHolder.dateView.setText(noteInfo.get_Date().toString());
return convertView;
}

public void filter(String charText)
{
```

```
charText = charText.toLowerCase();
_noteList.clear();
if (charText.length() == 0){
_noteList.addAll(arrNoteTemp);
}
else{
for(NoteInfo notiinfo : arrNoteTemp){
if(notiinfo.get_Title().toLowerCase().contains(charText))
{
_noteList.add(notiinfo);
super.notifyDataSetChanged();
}
}
}
super.notifyDataSetChanged();
}
}
```

NoteDetailActivity.java

```
package com.example.simplenoteapplication;

import androidx.annotation.RequiresApi;
import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Build;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

import java.io.Serializable;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;

public class NoteDetailActivity extends AppCompatActivity {
public static final String EXTRA_REPLY =
"com.example.android.notedetailactivity.extra.REPLY";
private EditText mTitleSave;
private EditText mContentSave;
private EditText mTagSave;

@RequiresApi(api = Build.VERSION_CODES.O)

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

Intent intent = getIntent();
NoteInfo message = (NoteInfo) intent.getSerializableExtra(MainActivity.EXTRA_MESSAGE);

EditText titleEdit = findViewById(R.id.title_edit);
titleEdit.setText(message.get_Title());

EditText tagEdit = findViewById(R.id.tag_edit);
tagEdit.setText(message.get_Tag());

EditText contentEdit = findViewById(R.id.content_edit);
contentEdit.setText(message.get_Content());
}

@RequiresApi(api = Build.VERSION_CODES.O)
public void SaveNoteDetailsClick(View view) {
mTitleSave = findViewById(R.id.title_edit);
mContentSave = findViewById(R.id.content_edit);

mTagSave = findViewById(R.id.tag_edit);
String returnTitle = mTitleSave.getText().toString();
String returnContent = mContentSave.getText().toString();
String returnTag = mTagSave.getText().toString();
Date date = Calendar.getInstance().getTime();
DateFormat dateFormat = new SimpleDateFormat("yyyy-mm-dd hh:mm:ss");
String returnDate = dateFormat.format(date);
NoteInfo replyMessage = new NoteInfo(returnTitle, returnContent,returnTag,returnDate);

Intent replyIntent = new Intent();
replyIntent.putExtra(EXTRA_REPLY, (Serializable) replyMessage);
setResult(RESULT_OK, replyIntent);
Toast toast = Toast.makeText(getApplicationContext(),
"Successfully Saved",
Toast.LENGTH_LONG) ;

View toastView = toast.getView();
toastView.setBackgroundResource(R.drawable.toast_drawable);

toast.show();
finish();}
}
```

NoteInfo.java

```
package com.example.simplenoteapplication;

import android.os.Build;

import androidx.annotation.NonNull;
import androidx.annotation.Nullable;
import androidx.annotation.RequiresApi;

import java.io.Serializable;

public class NoteInfo implements Serializable {
String _Title;
String _Content;
String _Date="";
String _Tag;
@RequiresApi(api = Build.VERSION_CODES.O)
public NoteInfo(String aTitle, String aContent,String aTag){
this._Title = aTitle;
this._Content = aContent;
this._Tag = aTag;
}

public NoteInfo(String aTitle, String aContent,String aTag,String aDate)
{
this._Title = aTitle;
this._Content = aContent;
this._Tag = aTag;
this._Date = aDate;
}



public String get_Content() {
return _Content;
}
public String get_Title() {
return _Title;
}
public String get_Tag() {
return _Tag;
}

public void set_Content(String _Content) {
this._Content = _Content;
}
public void set_Title(String _Title) {
this._Title = _Title;
}
public void set_Date(String _Date) {this._Date = _Date;}
public void set_Tag(String _Tag) {
this._Tag = _Tag;
}

@Override
public boolean equals(@Nullable Object obj) {
return super.equals(obj);
}
@NonNull
@Override
public String toString() {
return super.toString();
}

public String get_Date() {
return _Date;
}
}
```

Drawable Folder

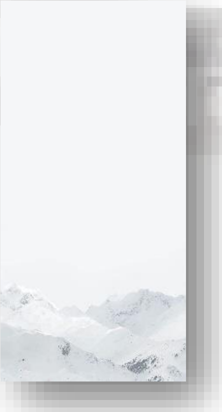
1. Toast_drawable.xml

```
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
   <item>
     <shape android:shape="rectangle">
        <solid android:color="#3fdc85"/>
        <size android:width="200dp" android:height="70dp"/>
        <corners android:radius="20dp"/>
        <stroke android:color="#FFFFFF" android:width="1dp"/>

     </shape>
   </item>

</selector>
```

2. prback.xml

```
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
   <item>
      <shape>
         <size android:height="15dp" android:width="100dp"/>
         <solid android:color="#04146C"/>
         <corners android:radius="10dp"/>
      </shape>
   </item>

</selector>
```

3. Images use



Values Folder

1. colors.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
   <color name="colorPrimary">#2196F3</color>
   <color name="colorPrimaryDark">#2196F3</color>
   <color name="colorAccent">#03A9F4</color>
</resources>
```

2. string.xml

```
<resources>
   <string name="app_name">Brain Note</string>
   <string name="save">Save</string>
   <string name="edit_the_content">Edit the content</string>
   <string name="edit_the_tag">Edit heading</string>
   <string name="edit_the_title">Title</string>
</resources>
```

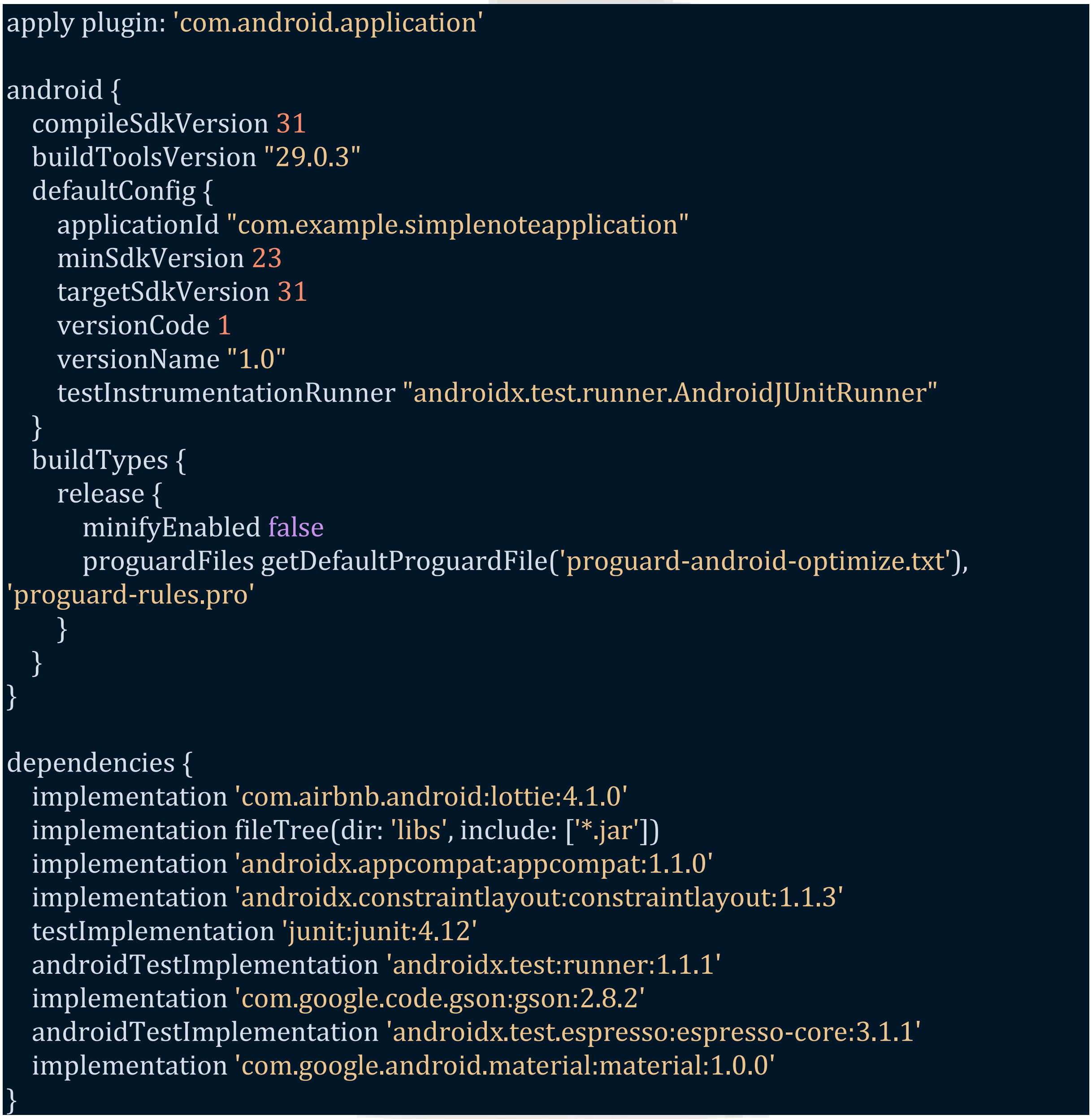
3. style.xml

```
<resources>

   <!-- Base application theme. -->
   <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
      <!-- Customize your theme here. -->
      <item name="colorPrimary">@color/colorPrimary</item>
      <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
      <item name="colorAccent">@color/colorAccent</item>
   </style>

</resources>
```

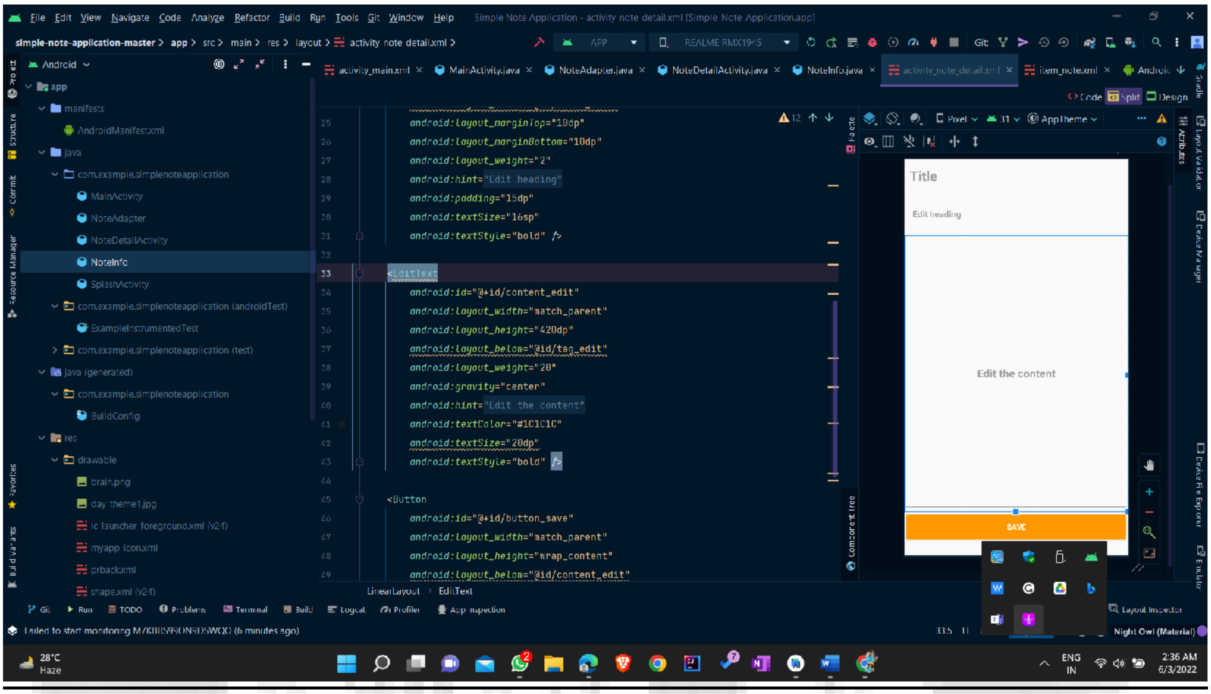
4. ic_Launcher.xml

```
5.     <resources>

          <!-- Base application theme. -->
          <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
             <!-- Customize your theme here. -->
             <item name="colorPrimary">@color/colorPrimary</item>
             <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
             <item name="colorAccent">@color/colorAccent</item>
          </style>

       </resources>
```

Build.gradle file : Gradle is a build system, which is responsible for code compilation, testing, deployment and conversion of the code into . dex files and hence running the app on the device. As Android Studio comes with Gradle system pre-installed, there is no need to install additional runtime softwares to build our project. Show activity on this post.

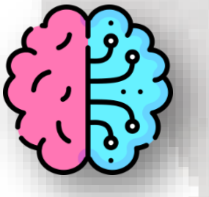


```
apply plugin: 'com.android.application'

android {
   compileSdkVersion 31
   buildToolsVersion "29.0.3"
   defaultConfig {
      applicationId "com.example.simplenoteapplication"
      minSdkVersion 23
      targetSdkVersion 31
      versionCode 1
      versionName "1.0"
      testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
   }
   buildTypes {
      release {
         minifyEnabled false
         proguardFiles getDefaultProguardFile('proguard-android-optimize.txt'),
'proguard-rules.pro'
      }
   }
}

dependencies {
   implementation 'com.airbnb.android:lottie:4.1.0'
   implementation fileTree(dir: 'libs', include: ['*.jar'])
   implementation 'androidx.appcompat:appcompat:1.1.0'
   implementation 'androidx.constraintlayout:constraintlayout:1.1.3'
   testImplementation 'junit:junit:4.12'
   androidTestImplementation 'androidx.test:runner:1.1.1'
   implementation 'com.google.code.gson:gson:2.8.2'
   androidTestImplementation 'androidx.test.espresso:espresso-core:3.1.1'
   implementation 'com.google.android.material:material:1.0.0'
}
```



```
            android:layout_marginTop="10dp"
            android:layout_marginBottom="10dp"
            android:layout_weight="2"
            android:hint="Edit heading"
            android:padding="15dp"
            android:textSize="16sp"
            android:textStyle="bold" />

        <EditText
            android:id="@+id/content_edit"
            android:layout_width="match_parent"
            android:layout_height="420dp"
            android:layout_below="@id/tag_edit"
            android:layout_weight="20"
            android:gravity="center"
            android:hint="Edit the content"
            android:textColor="#1C1C1C"
            android:textSize="20dp"
            android:textStyle="bold" />

        <Button
            android:id="@+id/button_save"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_below="@id/content_edit"
```

Simple Note Application - activity note detail.xml [Simple Note Application.app]
simple-note-application-master > app > src > main > res > layout > activity note detail.xml
activity_main.xml
MainActivity.java
NoteAdapter.java
NoteDetailActivity.java
NoteInfo.java
activity_note_detail.xml
item_note.xml
Title
Edit heading
Edit the content
SAVE
LinearLayout > EditText
Failed to start monitoring M7KIBB59XON5DSWOCX (6 minutes ago)
Night Owl (Material)
28°C Haze
2:36 AM 6/3/2022



THANK YOU