recorDiary

Mobile Programming

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Introduce

recorDiary = Record + Diary

If you use this app,
You can use various functions in diary
make daily life easier.

Contents

Speech recognition

Voice recognition text storage function.

S

C

Schedule manage with Calendar

Edit and write schedule in the form of a calendar.

M

F

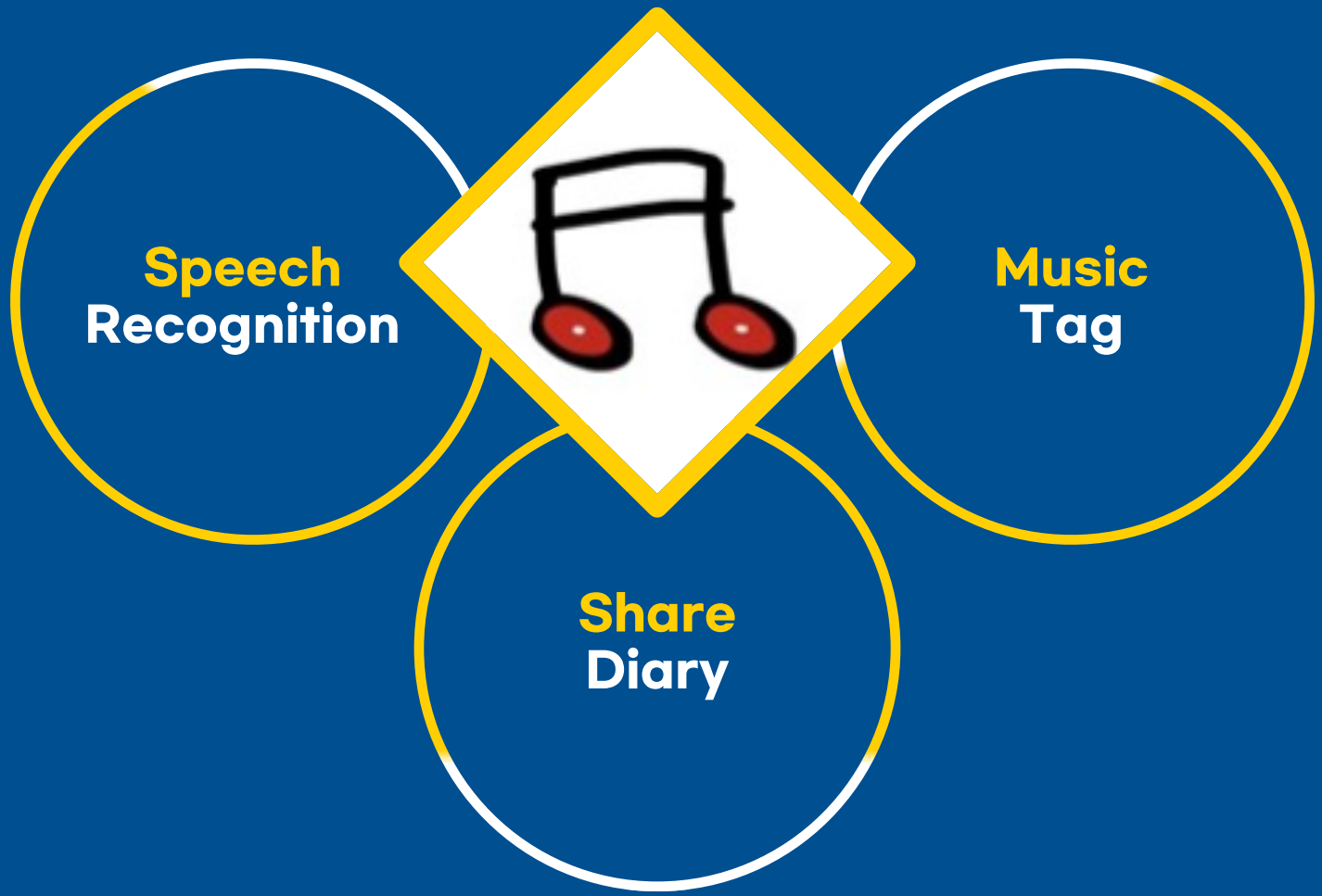
Choose emoticon that suits your mood and tag the music

Music tag and mood expression

You can shared diary with designated people.

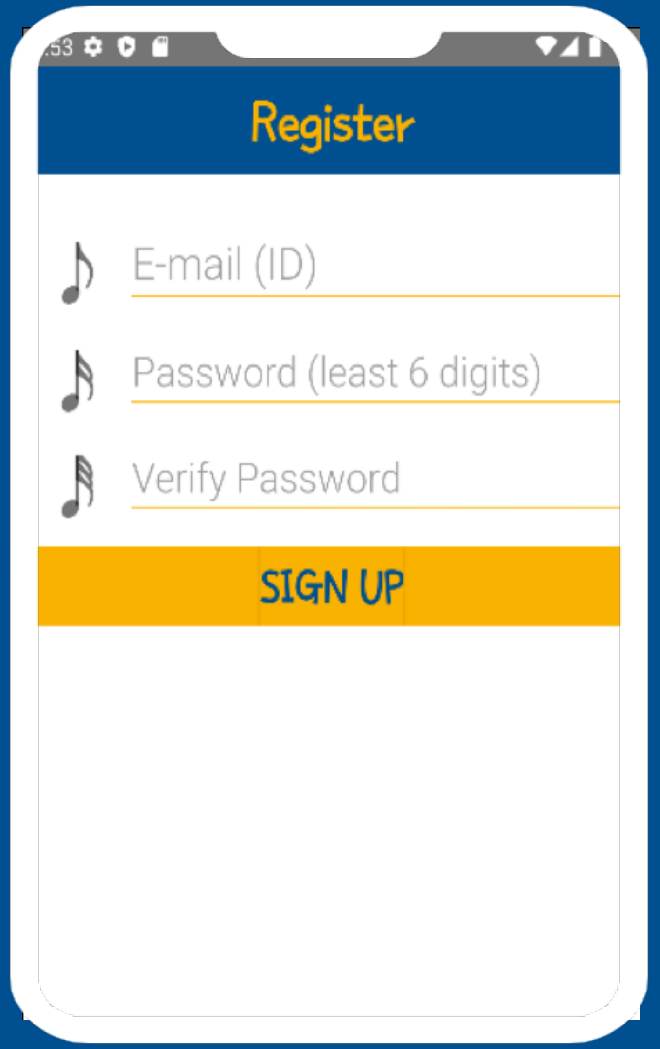
Share diary with designated Friends

Key feature



Progress

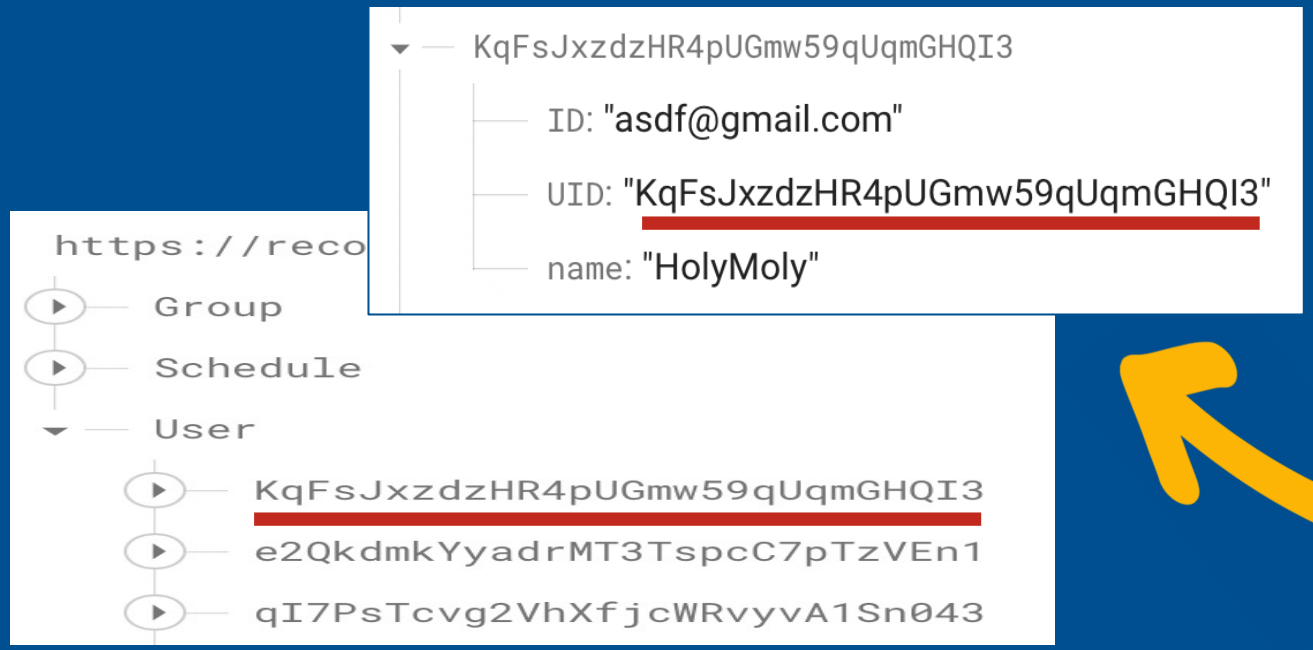
Technology

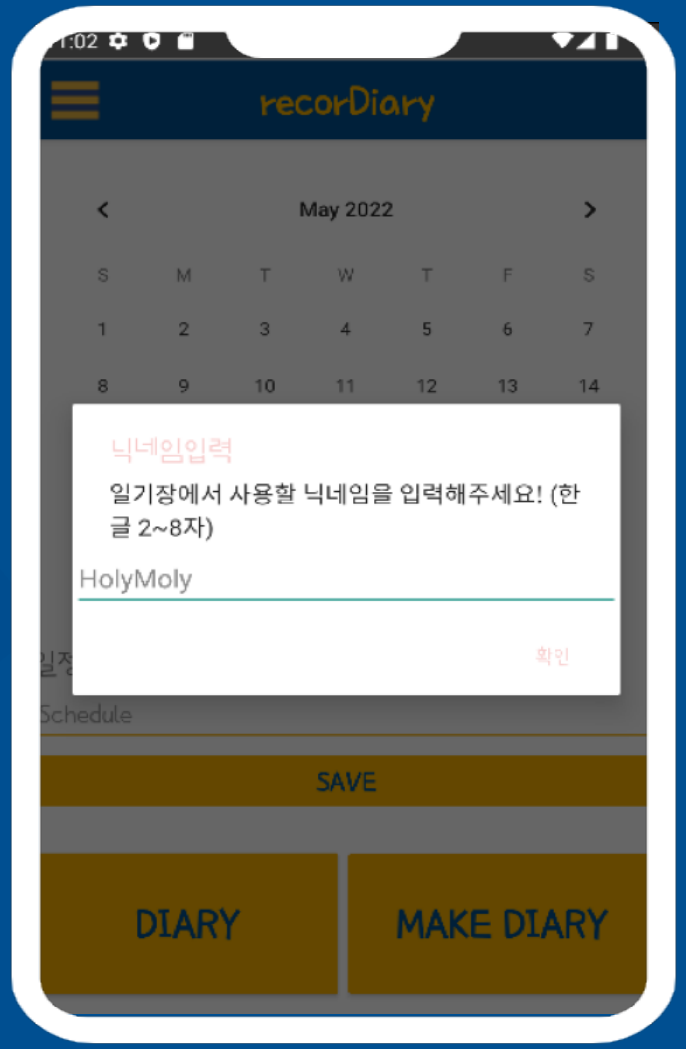


Sign up System

A window that users can register information in firebase.

Technology





Set Nickname

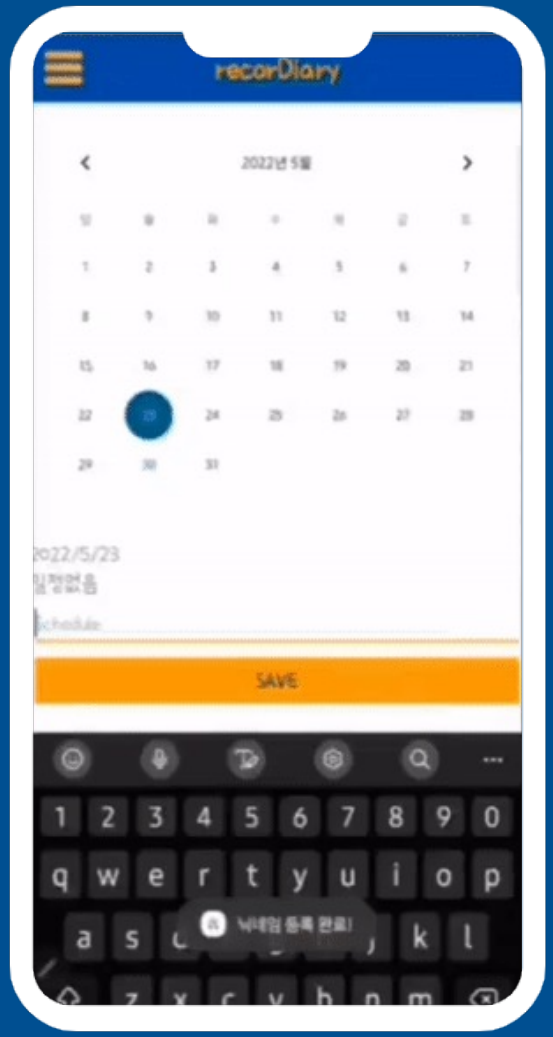
You can set your **nickname** for our diary.

Technology

```
save_button.setOnClickListener(new View.OnClickListener(){
    @Override
    public void onClick(View view){
        String edit_schedule = String.valueOf(editText.getText());
        if (date[0] == null)
        {
            toast( text: "날짜를 선택해 주세요");
        }
        if (edit_schedule.equals(""))
        {
            toast( text: "일정을 입력해 주세요");
        }
        else {
            Intent intent = new Intent( packageContext: Make_diary_Activity.this, DB.class);
            intent.putExtra( name: "CODE", Write_Schedule_CODE);
            intent.putExtra( name: "keyUserID", firebaseUser.getDisplayName());
            intent.putExtra( name: "keySchedule", edit_schedule);
            intent.putExtra( name: "keyDate", date[0]);
            editText.setText("");
            startActivity(intent);
        }
    }
});
```

```
del_button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        AlertDialog.Builder myAlertBuilder = new AlertDialog.Builder( context: Make_diary_Activity.this);

        myAlertBuilder.setTitle("DELETE");
        myAlertBuilder.setMessage("일정을 삭제 하시겠습니까?");

        myAlertBuilder.setPositiveButton( text: "삭제",new DialogInterface.OnClickListener(){
            public void onClick(DialogInterface dialog,int which){
                Toast.makeText(getApplicationContext(), text: "삭제되었습니다", Toast.LENGTH_SHORT).show();
                Intent intent = new Intent( packageContext: Make_diary_Activity.this, DB.class);
                intent.putExtra( name: "CODE", Delete_Schedule_CODE);
                intent.putExtra( name: "keyUserID", firebaseUser.getDisplayName());
                intent.putExtra( name: "keyDate", date[0]);
                editText.setText("");
                startActivity(intent);
            }
        });
        myAlertBuilder.setNegativeButton( text: "취소", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialog, int which) {
                Toast.makeText(getApplicationContext(), text: "삭제하지 않았습니다", Toast.LENGTH_SHORT).show();
            }
        });
        myAlertBuilder.show();
    }
```

```
Troll
    2022525:"ㄱㄱㄱ"
    2022526:"ㅁㅁ"
    2022527:"ㅇ"
    2022531:"변경"
    2022615:"일정"
```



Schedule Calender

Edit and write the schedule
for each day in form of a calender

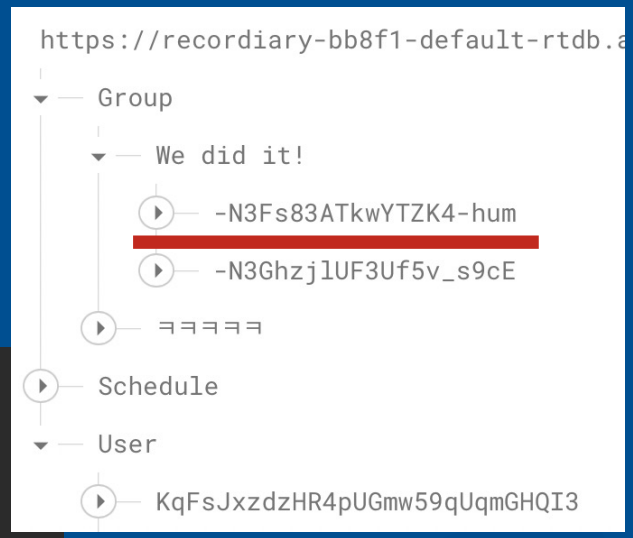
Technology

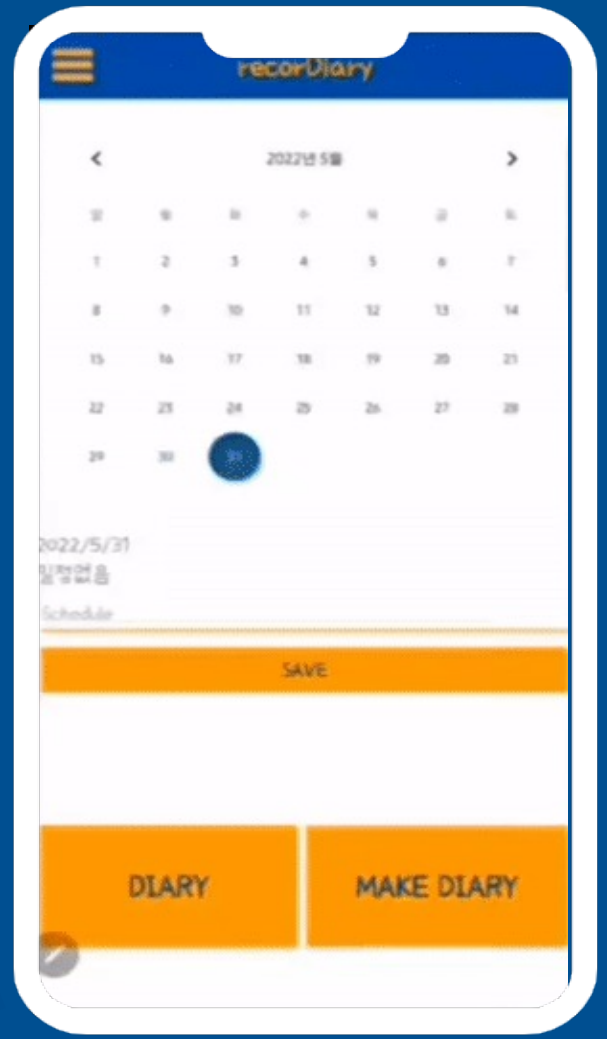
```
findViewById(R.id.Create_diary ).setOnClickListener( new View.OnClickListener() {

    // Do processing Title or Diary nullException
    @Override
    public void onClick(View v) {
        if(Diary_name_text.getText().toString().isEmpty()){
            Toast.makeText( context: make_new_diary.this, text: "일기장 제목을 입력하세요.", Toast.LENGTH_SHORT ).show();
        }
        else if(Diary_name_text.getText().toString().contains( "_" )){
            Toast.makeText( context: make_new_diary.this, text: "올바르지 않은 형식입니다.", Toast.LENGTH_SHORT ).show();
        }

        else{
            String Diary_Title = UID + "_" + Diary_name_text.getText().toString();

            String[] Friend_UID = {
                    Friendtext1.getText().toString(),
                    Friendtext2.getText().toString(),
                    Friendtext3.getText().toString(),
                    Friendtext4.getText().toString()};

            for(int i =0; i < count; i++){
                UID_List.add(Friend_UID[i]);
            }
```

```
public class ViewHolder extends RecyclerView.ViewHolder {

    public TextView textview;

    public ViewHolder(View itemView) {
        super( itemView );
        textview = itemView.findViewById( R.id.Diary_Title );
        itemView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                int pos = getAdapterPosition() ;
                if (pos != RecyclerView.NO_POSITION) {
                    if (mListener != null) {
                        mListener.onItemClick(v, pos) ;
                    }
```

Add Main Diary

A place to create a diary that can share with your friends





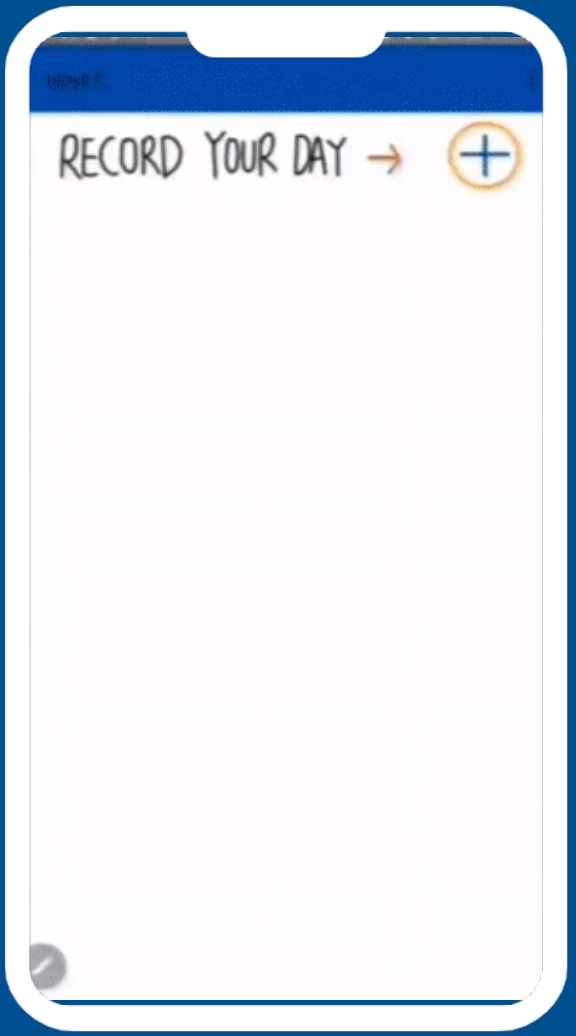
Technology

```
// Do processing Title or Diary nullException
@Override
public void onClick(View view) {
    String Title = Titletext.getText().toString();
    String Diary = Diarytext.getText().toString();

    Date date = new Date();
    SimpleDateFormat sdf = new SimpleDateFormat( pattern: "yyyy-MM-dd");
    String str_date = sdf.format(date);

    if (Title.equals(""))
    {
        Toast.makeText(getApplicationContext(), text: "제목을 입력해 주세요", Toast.LENGTH_SHO
        return;
    }
    if (Diary.equals(""))
    {
        Toast.makeText(getApplicationContext(), text: "일기 내용을 입력해 주세요", Toast.LENGTH
        return;
    }
```

```
Group
  We did it!
    -N3Fs83ATkwYTZK4-hum
      datetext: "2022-05-29"
      diarytext: "Finally we made recorDiary. This is very cool."
      emotion: "good"
      imagepath: "We did it!/2022-05-29/5/30.png"
      titletext: "5/30"
      writeUID: "73R5DJykOZMSh0MSwZFfAXg4jqG3"
      writeUser: "ㅌㅌ"
```

Write Daily Diary

Voice recognition and **mood** emotion,
image input are possible on this page.



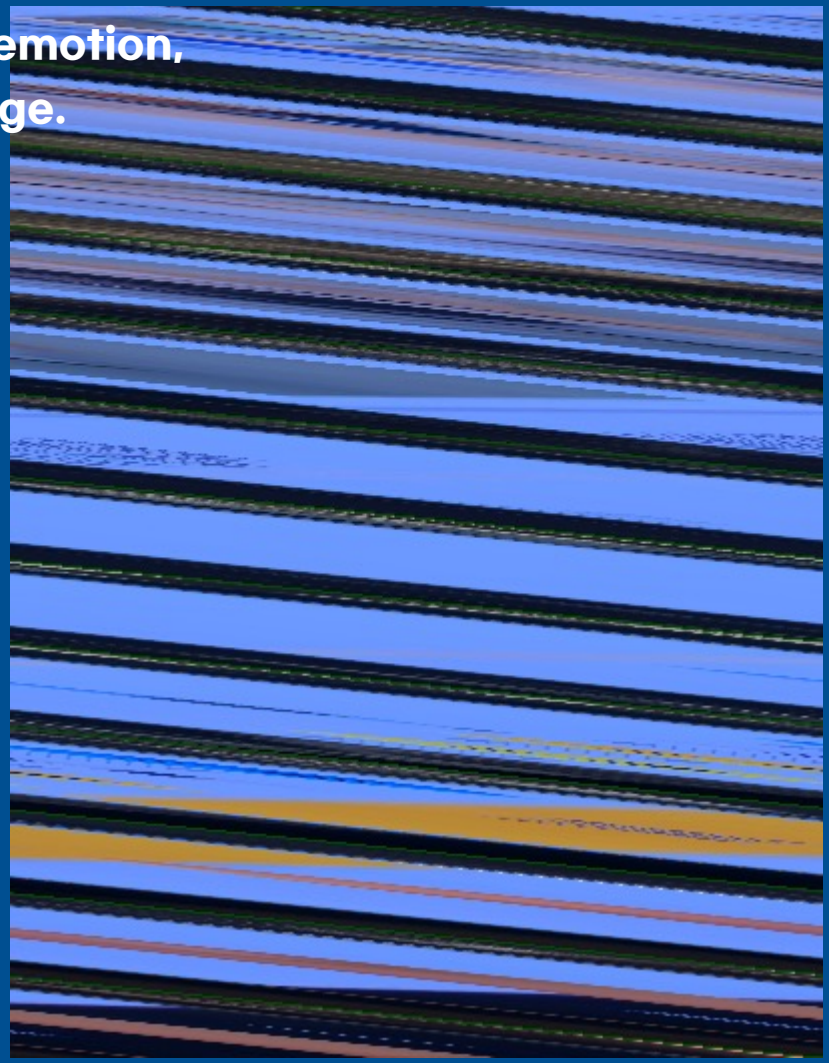
Technology

Add Detail Diary

Voice recognition and **mood** emotion,
music tag possible on this page.

```
switch (view.getId()) {
    //녹음 버튼
    case R.id.recordBtn:
        if (!recording) {   //녹음 시작
            StartRecord();
            Toast.makeText(getApplicationContext(), text: "지금부터 음성으로 기록합니다.", Toast.LENGTH_SHORT).show();
        }
        else {  //이미 녹음 중이면 녹음 중지
            StopRecord();
        }
        break;
    default:
        break;
}
```

```
@Override
public void onResults(Bundle results) {
    // 말을 하면 ArrayList에 단어를 넣고 textView에 단어를 이어줍니다.
    ArrayList<String> matches =
            results.getStringArrayList(SpeechRecognizer.RESULTS_RECOGNITION);
    String originText = Diarytext.getText().toString();  //기존 text

    // 이후 for문으로 textView에 setText로 음성인식된 결과를 수정해줍니다.
    // 인식 결과
    String newText="";
    for(int i = 0; i < matches.size() ; i++){
        newText += matches.get(i);
    }
    Diarytext.setText(originText + newText + " ");    //기존의 text에 인식 결과를 이어붙임
    mRecognizer.startListening(intentRecord);     //녹음버튼을 누를 때까지 계속 녹음해야 하므로 녹음 재개
}
```



Technology

Add Emotion Diary

Use the checkboxes to select emotions

```
if(checkBox_P.isChecked()) {
    // perfect db에 전송
    emotion = "perfect";
    Toast.makeText(getApplicationContext(), text: "perfect", Toast.LENGTH_SHORT).show();
    intent.putExtra( name: "CODE", REQUESTCODE);
    intent.putExtra( name: "keyGroup", curGroup);
    intent.putExtra( name: "keyUser", curUser);
    intent.putExtra( name: "keyDate", str_date);
    intent.putExtra( name: "keyTitle", Title);
    intent.putExtra( name: "keyDiary", Diary);
    intent.putExtra( name: "keyPath", String.valueOf(filePath));
    intent.putExtra( name: "emotion", emotion); //추가

    startActivity(intent);
    finish();
}
else if(checkBox_G.isChecked()) {
    // good db에 전송
    emotion = "good";
    Toast.makeText(getApplicationContext(), text: "good", Toast.LENGTH_SHORT).show();
    intent.putExtra( name: "CODE", REQUESTCODE);
    intent.putExtra( name: "keyGroup", curGroup);
```

```
    startActivity(intent);
    finish();
}
else
{
    Toast.makeText(getApplicationContext(), text: "감정을 선택해 주세요", Toast.LENGTH_SHORT).show();
    return;
}
```

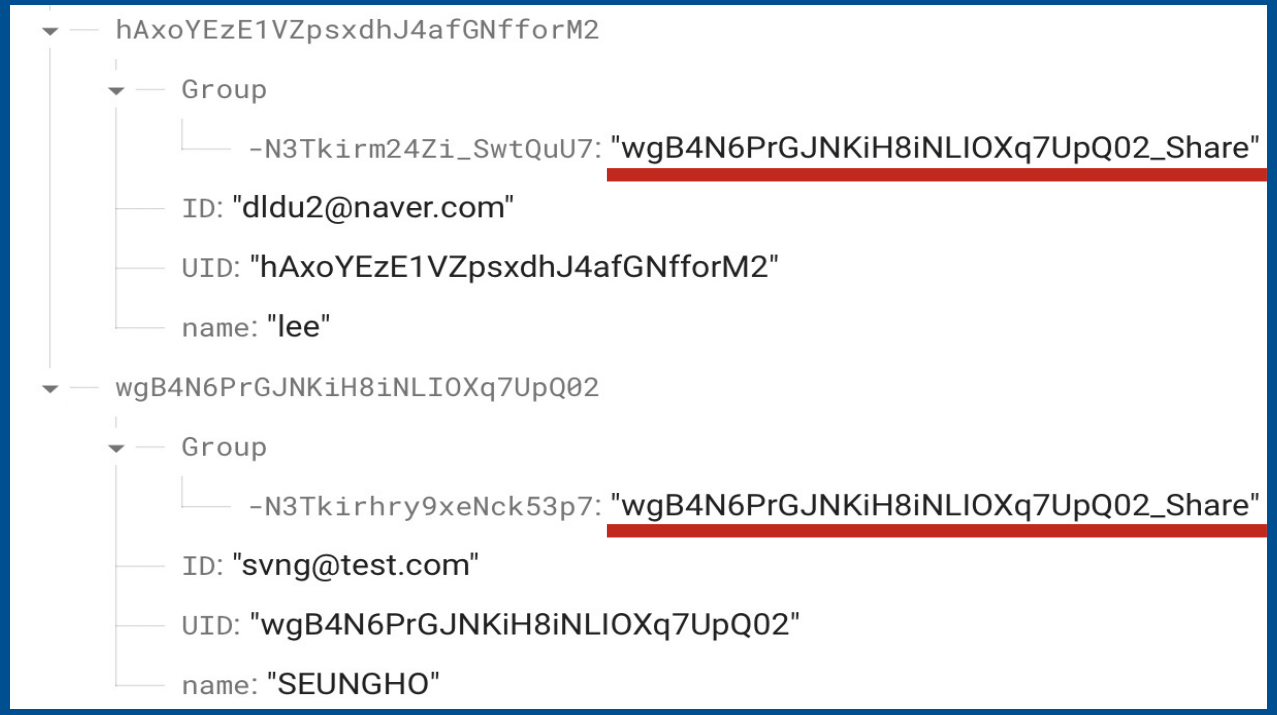
Play Emotion Music

Play music that fits your chosen emotions

```
// 배경음악 부분
startButton = findViewById(R.id.start);
stopButton = findViewById(R.id.stop);

String music = intent.getExtras().getString( key: "emotion" );

startButton.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Toast.makeText(getApplicationContext(), music, Toast.LENGTH_SHORT).show();
        if(music.equals("perfect")) {
            // MediaPlayer 객체 할당
            mediaPlayer = MediaPlayer.create( context: Select_Diary.this, R.raw.perfect);
            mediaPlayer.start();
            mediaPlayer.setLooping(true);
        }
```

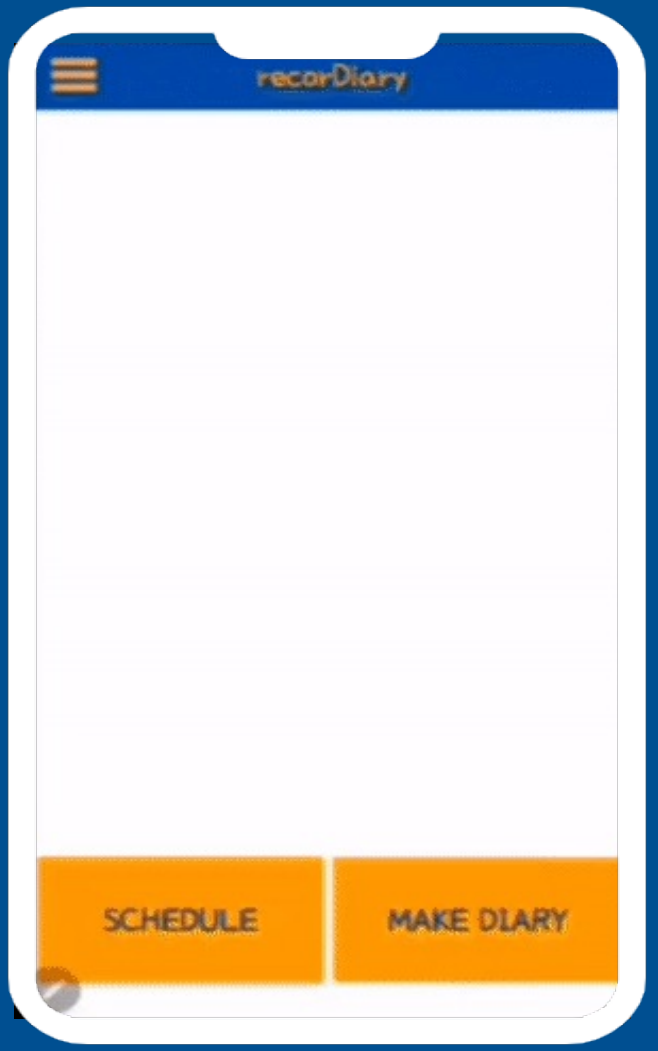
```
stopButton.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        // 정지버튼
        mediaPlayer.stop();
        // 초기화
        mediaPlayer.reset();
    }
});
```

Technology



Share Diary

Make Diary to share with designated people



Member

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Manage Server
Music Algorithm
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Manage API
Sign up service
Design GUI

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Manage API

Design GUI

Structure Design

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Share Function

Manage Firebase

Calendar View

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Thank you :)

https://github.com/Sevng/recorDiary_.git