A FLEXIBLE EMAIL CLIENT APP

1. INTRODUCTION

1.1 OVERVIEW

Adaptive Mail app is a sample project that demonstrates how to use the Android Compose UI toolkit to build a conversational UI. The app simulates a messaging interface, allowing the user to send and receive messages, and view a history of previous messages. It showcases some of the key features of the Compose UI toolkit, data management, and user interactions.

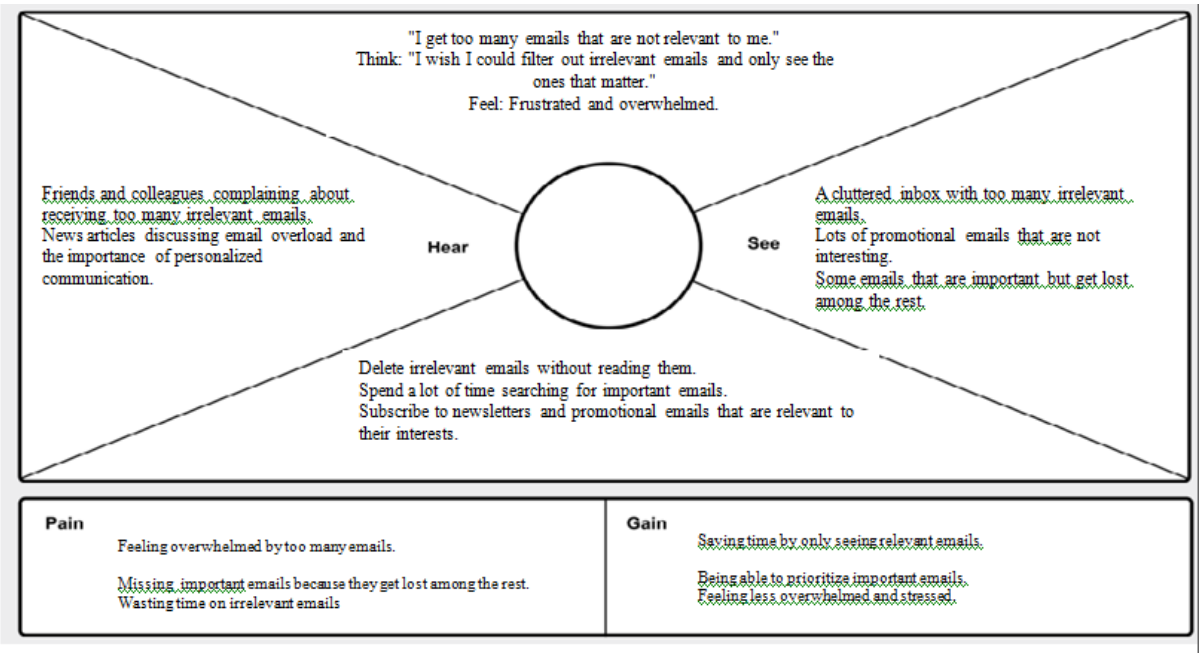
1.2 PURPOSE

It is basically seen as the medium of communication i.e to send and receive messages. It is more used for formal purposes than informal(although it is a great communication tool). For example: Asking for a leave from your employer, or applying for scholarships or applying for jobs and internships etc.

E-mail stands for Electronic Mail. It is used for digital communication. People can exchange information via e-mail all over the world in a few minutes with the help of Internet. People can share text, images, documents, audio and video files by e-mail. E-mail can be stored in a computer locally or centrally and retrieved as and when required. E-mail is the fastest way of communicating with the people.

2. PROBLEM DEFINITION & DESIGN THINKING

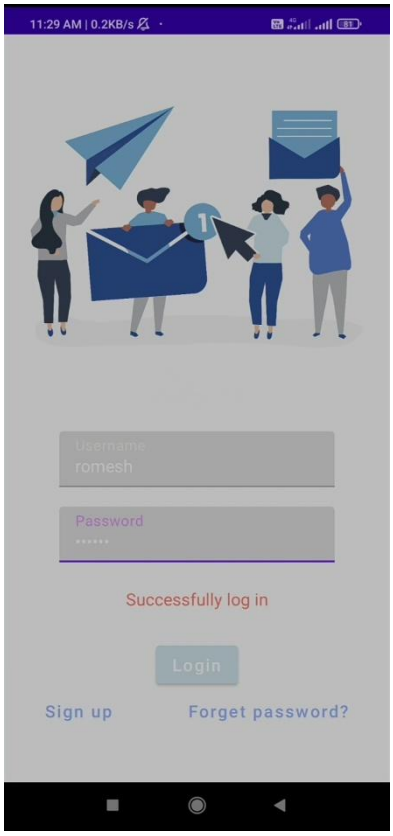
2.1 EMPATHY MAP



2.2 IDEATION & BRAINSTROMING MAP

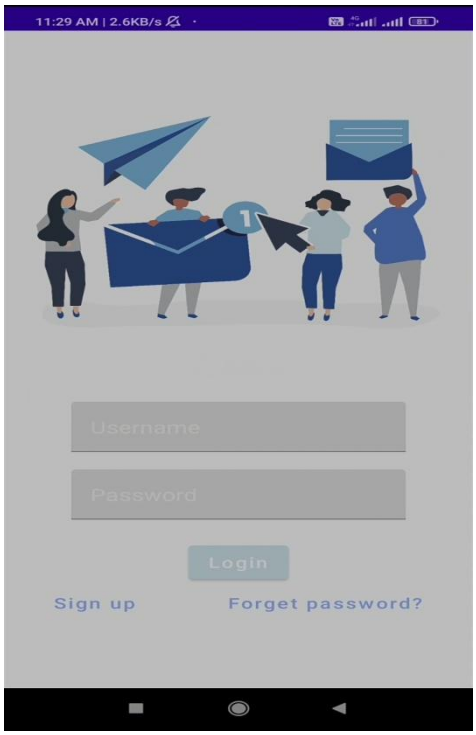
3. RESULT

HOME PAGE

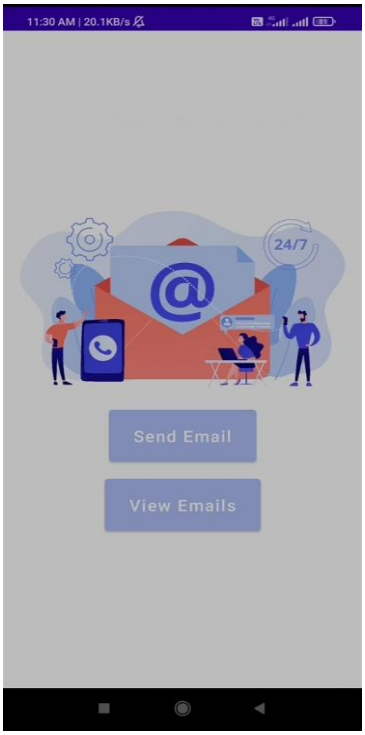


REGISTERATION PAGE

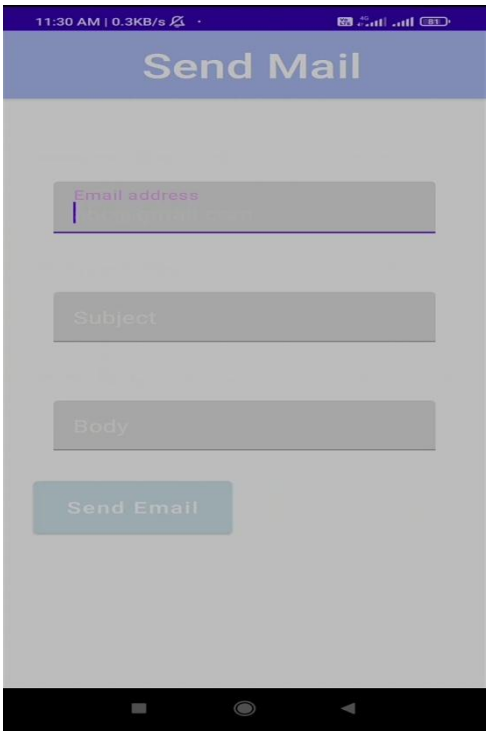
LOGIN PAGE



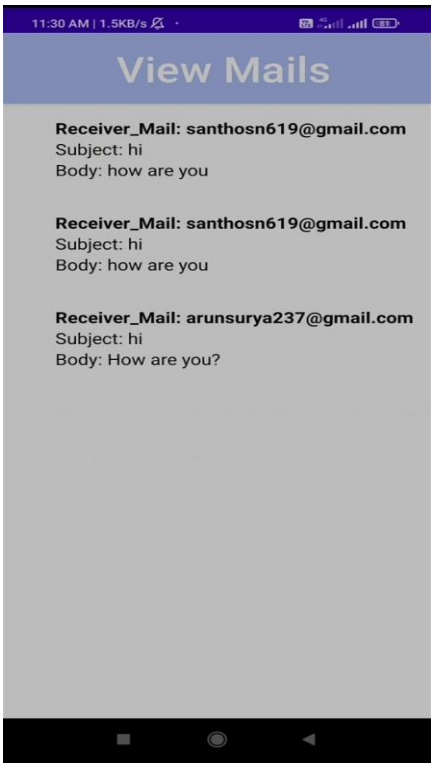
DASHBOARD PAGE



SEND MAIL PAGE



VIEW MAIL PAGE



4. ADVANTAGES & DISADVANTAGES

4.1 ADVANTAGES

1. E-mails provides faster and easy mean of communication. One can send message to any person at any place of world by just clicking mouse.
2. Various folders and sub-folders can be created within inbox of mail, so it provide management of messages.
3. It is effective and cheap means of communication because single message can be send to multiple people at same time.
4. E-mails are very easy to filter. User according to his/her priority can prioritize e-mail by specifying subject of e-mail.
5. E-mail is not just only for textual message. One can send any kind of multimedia within mail.
6. E-mail can be send at any hour of day, thus ensures timeliness of message.
7. It is secure and reliable method to deliver our message.
8. It also provide facility for edition and formatting of textual messages.
9. There is also facility of auto-responders in e-mail i.e. to send automated e-mails with certain text.
10. To write an e-mail there is no need of any kind of paper, thus it is environment friendly.

4.2 DISADVANTAGES

1. It is source of viruses. It is capable to harm one's computer and read out user's e-mail address book and send themselves to number of people around the world.
2. It can be source of various spams. These spam mails can fill up inbox and to deletion of these mail consumes lot of time.
3. It is informal method of communication. The documents those require signatures are not managed by e-mail.
4. To use facility of e-mail, user must have an access to internet and there are many parts of world where people does not have access to Internet.
5. Sometimes, e-mails becomes misunderstood as it is not capable of expressing emotions.

5. APPLICATION

E-mail is used to transfer text, program files, spreadsheets, and even photographic images. Messages can be sent and received in hours and often within minutes; it is no wonder that most e-mail users refer to the regular postal service as “snail mail.” Email is a very popular way of communicating with others over the Internet. An application that allows users to send, receive, and read email is called an email client.

6. CONCLUSION

At the end of the day, email is still one of the most effective forms of marketing. If you use it correctly, you can target prospective customers with relevant information, at precisely the right time - gaining brand loyalists for life.

7. FUTURE SCOPE

Email is a cost-effective and efficient way to communicate with others using the internet. Both companies and individuals can use email to convey important information and improve security for profiles and accounts. If you're an internet user or communications manager, learning more about the importance of email can be beneficial. In this article, we explain what the importance of email is, detail what you can use email for and review the advantages and disadvantages of using this communication tool.

8. APPENDIX

A. SOURCE CODE

```
package com.example.emailapplication


import android.content.Context
import android.content.Intent
import android.os.Bundle
import androidx.activity.ComponentActivity
import androidx.activity.compose.setContent
import androidx.compose.foundation.Image
import androidx.compose.foundation.background
import androidx.compose.foundation.layout.*
import androidx.compose.material.*
import androidx.compose.runtime.Composable
import androidx.compose.ui.Alignment
import androidx.compose.ui.Modifier
import androidx.compose.ui.graphics.Color
import androidx.compose.ui.layout.ContentScale
import androidx.compose.ui.res.painterResource
import androidx.compose.ui.text.font.FontWeight
import androidx.compose.ui.tooling.preview.Preview
import androidx.compose.ui.unit.dp
import androidx.compose.ui.unit.sp
import androidx.core.content.ContextCompat
import androidx.core.content.ContextCompat.startActivity
import com.example.emailapplication.ui.theme.EmailApplicationTheme
class MainActivity : ComponentActivity() {
```

```
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContent {
            // A surface container using the 'background' color from the theme
            Surface(
                modifier = Modifier.fillMaxSize().background(Color.White),
            ) {
                Email(this)
            }

        }
    }
}

@Composable
fun Email(context: Context) {
    Text(
        text = "Home Screen",
        modifier = Modifier.padding(top = 74.dp, start = 100.dp, bottom = 24.dp),
        color = Color.Black,
        fontWeight = FontWeight.Bold,
        fontSize = 32.sp
    )

    Column(
        horizontalAlignment = Alignment.CenterHorizontally,
        verticalArrangement = Arrangement.Center
    ) {
```

```
Image(
    painterResource(id = R.drawable.home_screen), contentDescription = ""
)



Button(onClick = {
    context.startActivity(
        Intent(
            context,
            SendMailActivity::class.java
        )
    )
},
    colors = ButtonDefaults.buttonColors(backgroundColor = Color(0xFFadbef4))
) {
    Text(
        text = "Send Email",
        modifier = Modifier.padding(10.dp),
        color = Color.Black,
        fontSize = 15.sp
    )
}

Spacer(modifier = Modifier.height(20.dp))

Button(onClick = {
    context.startActivity(
        Intent(
```

```
                context,
                ViewMailActivity::class.java
            )
        )
    },
        colors = ButtonDefaults.buttonColors(backgroundColor = Color(0xFFadbef4))
    ) {
        Text(
            text = "View Emails",
            modifier = Modifier.padding(10.dp),
            color = Color.Black,
            fontSize = 15.sp
        )
    }


  }
}
```