ADAPTIVE MAIL

A FLEXIBLE EMAIL CLIENT APP

TEAM MEMBERS

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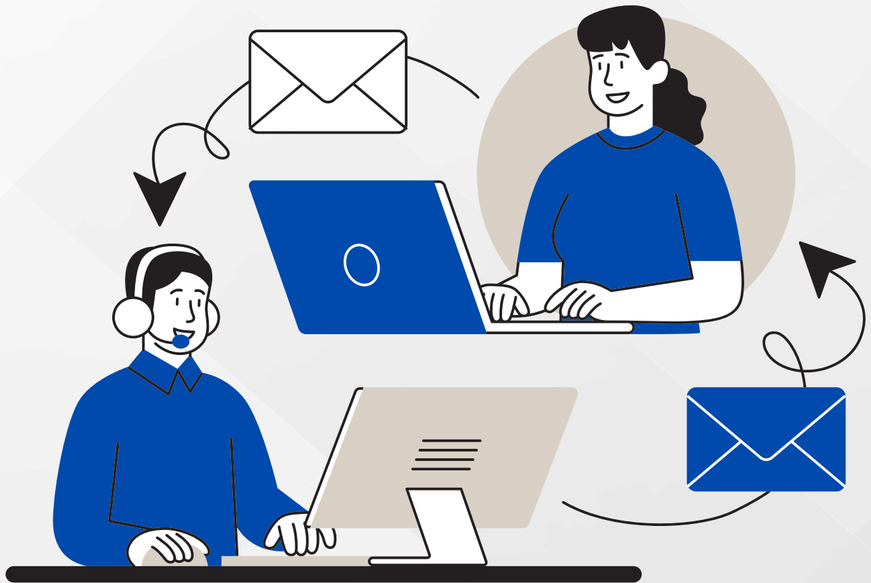


PROJECT DESCRIPTION:

To create a flexible and user-friendly email client application that adapts to different user needs, supports multiple email providers, and offers a range of customizable features. 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.

KEY FEATURES MULTI-ACCOUNT SUPPORT:

- USERS CAN ADD AND MANAGE MULTIPLE EMAIL ACCOUNTS (GMAIL, OUTLOOK, YAHOO, ETC.)

EMAIL COMPOSITION:

- A RICH TEXT EDITOR FOR COMPOSING EMAILS, INCLUDING OPTIONS FOR FORMATTING. ATTACHMENTS, AND EMOJI SUPPORT.

INBOX MANAGEMENT:

- ORGANIZE EMAILS INTO CATEGORIES (E.G., PRIMARY, SOCIAL, PROMOTIONS) WITH CUSTOMIZABLE FILTERS.

INBOX MANAGEMENT:

- POWERFUL SEARCH CAPABILITIES TO FIND EMAILS QUICKLY BY SENDER, SUBJECT, OR DATE.

USERDATABASE CLASS 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
            )
        }


    }
}
```

RESULT

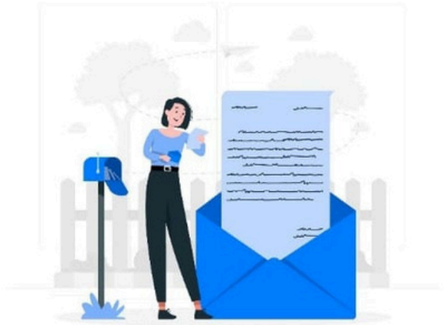
Login

Username

Password

Login

Sign up Forget password?



Register

Username

Email

Password

Register

Have an account? Log in

Home Screen

Send Email

View Emails

Home Screen

Send Email

View Emails

Send Mail

Receiver Email-Id

Email address

Mail Subject

Subject

Mail Body

Body

Send Email

Send Mail

Receiver Email-Id

Email address

Mail Subject

Subject

Mail Body

Share via

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THANK YOU