

Adding a new fragment in Android MUI3

Step 1: Modify JetChatDrawer.kt

- Go to the components → JetchatDrawer.kt
- Add new chat item name called TestByKeshav in drawer's menu list

```
ChatItem("TestbyKeshav", selectedMenu == "TestbyKeshav") {  
    onChatClicked("TestbyKeshav")  
}
```

Add this snippet in drawer menu list in jetchatdrawer.kt

Step 2: Adding Newchat Fragment

- Go to the conversation → Add new class file with name MessageAdapter
- Add the below code into the MessageAdapter

Code :

```
package com.example.compose.jetchat.conversation.newchat
```

```
import android.graphics.Color // Import for text color
```

```
import android.view.LayoutInflater
```

```
import android.view.ViewGroup
```

```
import com.example.compose.jetchat.R
```

```
import androidx.recyclerview.widget.RecyclerView
```

```
import com.example.compose.jetchat.databinding.ItemMessageBinding
```

```
import com.bumptech.glide.Glide // Import for profile images
```

```
class MessageAdapter(private val messages: MutableList<NewChatMessage>) :  
    RecyclerView.Adapter<MessageAdapter.MessageViewHolder>() {
```

```
    inner class MessageViewHolder(private val binding: ItemMessageBinding) :
```

```
        RecyclerView.ViewHolder(binding.root) {
```

```
        fun bind(messages: NewChatMessage) {
```

```
            binding.senderName.text = messages.author
```

```
            binding.messageBody.text = messages.content
```

```
            binding.timestamp.text = messages.timestamp
```

```

        binding.senderName.setTextColor(Color.BLACK)
        binding.messageBody.setTextColor(Color.BLACK)
        binding.timestamp.setTextColor(Color.DKGRAY) // Use dark gray for a
subtle look

```

```

    }
}

```

```

    override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
MessageViewHolder {
        val binding = ItemMessageBinding.inflate(
            LayoutInflater.from(parent.context), parent, false
        )
        return MessageViewHolder(binding)
    }

```

```

    override fun onBindViewHolder(holder: MessageViewHolder, position: Int) {
        holder.bind(messages[position])
    }

```

```

    override fun getItemCount(): Int = messages.size
}

```

- Add new class file in same conversation package with name NewchatFragment
- Paste the below code into the newchat Fragment

Code:

```
package com.example.compose.jetchat.conversation

```

```

import android.os.Bundle
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import androidx.compose.ui.platform.ComposeView
import androidx.fragment.app.Fragment
import androidx.fragment.app.activityViewModels
import androidx.navigation.findNavController
import com.example.compose.jetchat.MainViewModel
import com.example.compose.jetchat.R
import com.example.compose.jetchat.data.keshavSoftHrMessages
import com.example.compose.jetchat.theme.JetchatTheme

```

```

class NewchatFragment : Fragment() {

    private val activityViewModel: MainViewModel by activityViewModels()

    // Use the existing ConversationUiState class with new message data
    private val newChatUiState = ConversationUiState(
        channelName = "TestbyKeshav",
        channelMembers = 100,
        initialMessages = keshavSoftHrMessages
    )

    override fun onCreateView(
        inflater: LayoutInflater,
        container: ViewGroup?,
        savedInstanceState: Bundle?
    ): View = ComposeView(inflater.context).apply {
        setContent {
            JetchatTheme {
                ConversationContent(
                    uiState = newChatUiState,
                    navigateToProfile = { user ->
                        val bundle = Bundle().apply {
                            putString("userId", user)
                        }
                        findNavController().navigate(R.id.nav_profile, bundle)
                    },
                    onNavIconPressed = {
                        activityViewModel.openDrawer()
                    }
                )
            }
        }
    }
}

```

- In the same package add new class file with name NewChatMessage
- Paste the below code into that class file

Code:

```
package com.example.compose.jetchat.conversation.newchat
```

```
data class NewChatMessage(
```

```

        val author: String,
        val content: String,
        val timestamp: String,

    )

```

Step 3 : Add new FakeData file

- Goto the Data → Add new file with name data_1.kt
- In that file add new fake data

```

package com.example.compose.jetchat.data

import com.example.compose.jetchat.R
import com.example.compose.jetchat.conversation.ConversationUiState
import com.example.compose.jetchat.conversation.Message
import com.example.compose.jetchat.data.EMOJIS.EMOJI_PINK_HEART
import com.example.compose.jetchat.data.EMOJIS.EMOJI_FLAMINGO
import com.example.compose.jetchat.data.EMOJIS.EMOJI_CLOUDS

val keshavSoftHrMessages = listOf(
    Message(
        "me", // Sender
        "Hello, I hope you're doing well. I wanted to follow up on the interview process with KeshavSoft.",
        "10:00 AM"
    ),
    Message(
        "KeshavSoft HR", // Sender
        "You're welcome! Have a great day! $EMOJI_PINK_HEART",
        "10:10 AM"
    ),
    Message(
        "me", // Sender
        "Thanks again!$EMOJI_FLAMINGO $EMOJI_CLOUDS",
        "10:12 AM"
    )
)

```

```

val keshavSoftHrUiState = ConversationUiState(

```

```

        initialMessages = keshavSoftHrMessages,
        channelName = "#keshavsoft_hr",
        channelMembers = 1 // Just you and the HR in this conversation
    )

```

Step 4 : Modify the NavActivity

- Modify the jetchatdrawer code
- Paste the below code in the place of jetchatdrawer

Code :

```

JetchatDrawer(
    drawerState = drawerState,
    selectedMenu = selectedMenu,
    onChatClicked = {
        scope.launch {
            drawerState.close()
        }

        when (it) {
            "TestbyKeshav" -> {
                findNavController().popBackStack(R.id.nav_newchat, false)
                findNavController().navigate(R.id.nav_newchat)
            }
            else -> {
                findNavController().popBackStack(R.id.nav_home, false)
                findNavController().navigate(R.id.nav_home)
            }
        }

        selectedMenu = it
    },
    onProfileClicked = {

```

```

        val bundle = bundleOf("userId" to it)

        findNavController().navigate(R.id.nav_profile, bundle)

        scope.launch {
            drawerState.close()
        }

        selectedMenu = it
    }
}

) {
    AndroidViewBinding(ContentMainBinding::inflate)
}
}
}
}
)
}

```

Step 5: Modify Navigation

- Goto the res → navigation → mobile_navigation.xml
- Add the new fragement for testbykeshav
- Paste below code into the mobile_navigation.xml

Code :

```

<fragment
    android:id="@+id/nav_newchat"
    android:name="com.example.compose.jetchat.conversation.NewchatFragment"
    android:label="TestbyKeshav" />

```

Step 6 : Modify the Layour file

- Goto the res → layout → Add item_message.xml

Code :

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal"
    android:padding="8dp">

```

```

<!-- Profile Image -->

```

```
<ImageView
    android:id="@+id/profileImage"
    android:layout_width="40dp"
    android:layout_height="40dp"
    android:layout_marginEnd="8dp"
    android:scaleType="centerCrop"
    android:src="@drawable/ic_baseline_person_24" />

<LinearLayout
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical">

    <TextView
        android:id="@+id/senderName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Sender"
        android:textStyle="bold"
        android:textSize="16sp"/>

    <TextView
        android:id="@+id/messageBody"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Message body"
        android:textSize="14sp" />

    <TextView
        android:id="@+id/timestamp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="10:30 AM"
        android:textSize="12sp"
        android:textColor="@android:color/darker_gray" />
</LinearLayout>
</LinearLayout>
```

The Final Output :

