ASSIGNMENT 8

CS 522

Submitted By-

Yugaank Arun Sharma

In this assignment, you will augment the UI of the Web-based chat app from the previous assignment with a multi-pane interface. You will also get some practice with dialogs. All your projects for this submission should target Lollipop (Android 5.1).

Part 1: Multi-pane Navigation of Chat Rooms

1. For a wide screen (at least 900dp), show a user interface that has a navigation pane for chat rooms on the left (say 1/3 to ¼ of the screen), listing the chat rooms that are available. Selecting one of these chat rooms from the list should open, in the main pane, a list of messages posted to that chat room (along with the identity of the poster). Specify the fragments for the navigation pane (list of chatrooms) and for the details pane (list of messages for a chatroom) in the layout for the activity (using the fragment element1). The chat room view should initially be empty. If the user presses the BACK button while viewing the contents of a chat room, the chat room view should resume an empty view, but the navigation view should remain.

2. Otherwise, show (just) a list of the chat rooms. Selecting one of these chat rooms should replace the navigation pane with a details pane to display the messages in that chat room. In other words, the behavior of your app in portrait orientation, when viewing chat messages, is the same as it was in the previous assignment. Your app should be able to dynamically switch between these two forms of user interfaces as the orientation of the device changes. Android will perform this switching for you, if you don't prevent adaptation to orientation changes.

Part 2: Dialogs for dialogues

1. Another dialog should be used to post a message. Again, the command to post a message should be a menu item available from the action bar. When selected, it should display a dialog message that prompts the user for the text of the message. The user confirms the message to be sent by pressing a SEND button on the dialog. You should also provide a CANCEL button on the dialog. Note that

the user can always cancel a dialog by pressing the BACK button, but also providing a CANCEL button can be good human factors

2. This assignment gives us a task of running the app in two different layouts and then using the concept of fragments, list messages and chatrooms.

Note-

The zip archive "Yugaank_Sharma" contains 1 zip archive of the android project and 4 files which are APK file, chat application video (portrait mode), chat application video (landscape mode) and README.pdf