

BCS 371 Lab – Button TextField and Toast

Overview

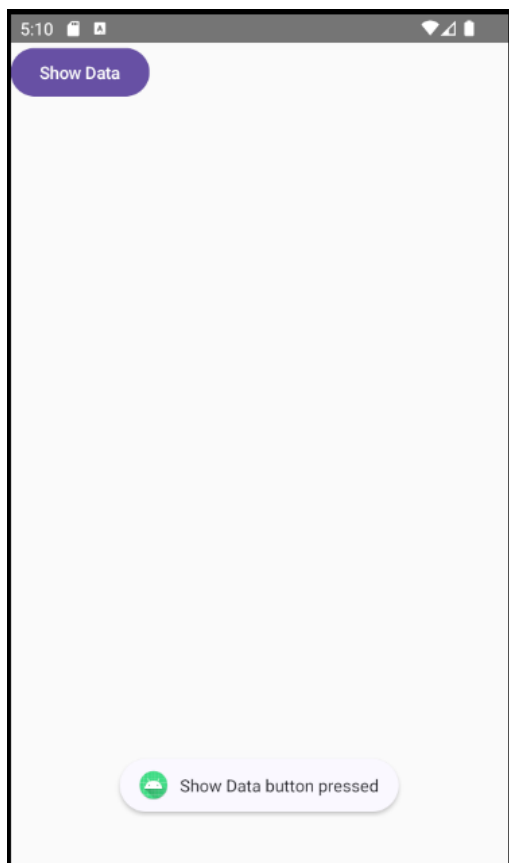
In this lab you will write an app that contains a button that displays data from a TextField in a toast.

Create a project

Create a new Android application in Android Studio. Choose the **Empty Activity** type to create an empty activity that uses Jetpack Compose.

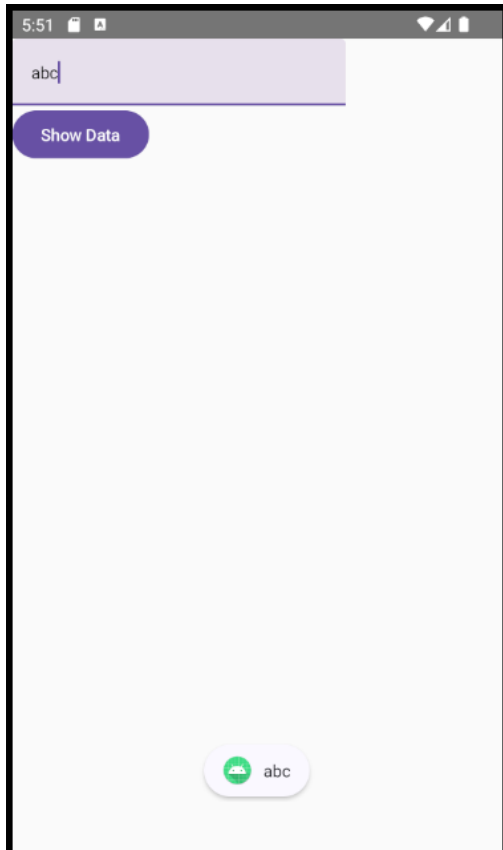
Add a Button to the UI

Create a user interface that contains a button. The button should have the text "Show Data". When the button is pressed it should display a toast with the message "Show Data button pressed". Here is a screenshot after pressing the Show Data button:



Add a TextField to the UI

Add a TextField to the UI right before the button. When the button is pressed it should get whatever data is in the text field and show it in the toast. Here is a screenshot after pressing the Show Data button:



Add a Text to the UI

Add a text to the UI right after the button. When the button is pressed it should get data whatever data is in the text field and show it in the text.

Hint: You can create a variable that will hold the value to display in the text element. The text element can refer to this variable using \$ in its text display string. When the button is pressed the variable value can be updated which will in turn cause the text element to be updated.

Here is a screenshot after pressing the Show Data button:

