

Task 3.2P

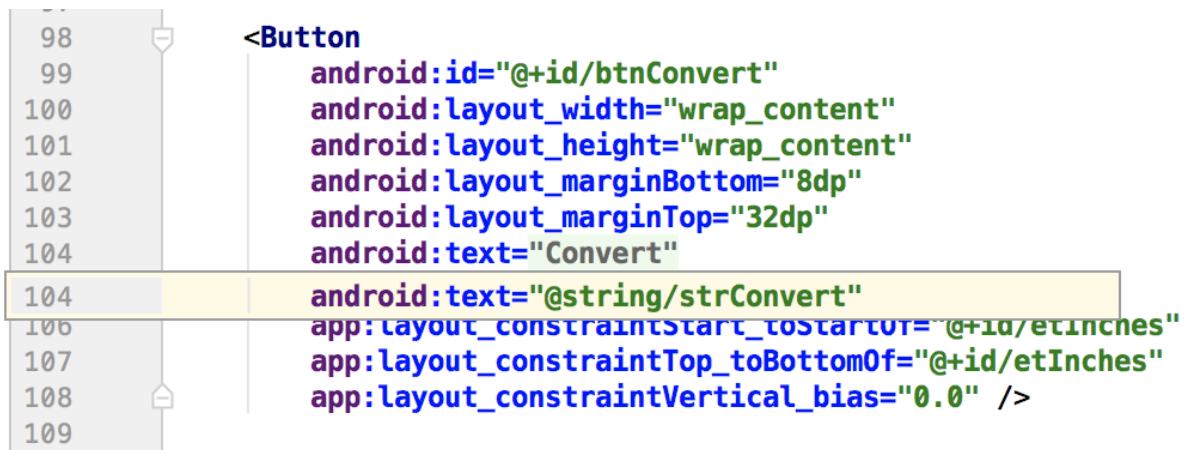
Far away, so close!

1. Conversion app

//To be demonstrated in Lab. Screenshots in Appendix 1.

2. Strings and Localisation

String externalisation is the 'outsourcing' of string data from hard-coded values to an external resource file (eg Strings.xml in the values folder). By referencing an external file, it's a simple matter to substitute the relevant language without having to alter a single line of code in the app itself (especially as system language etc is typically set in settings, rather than in the app itself)

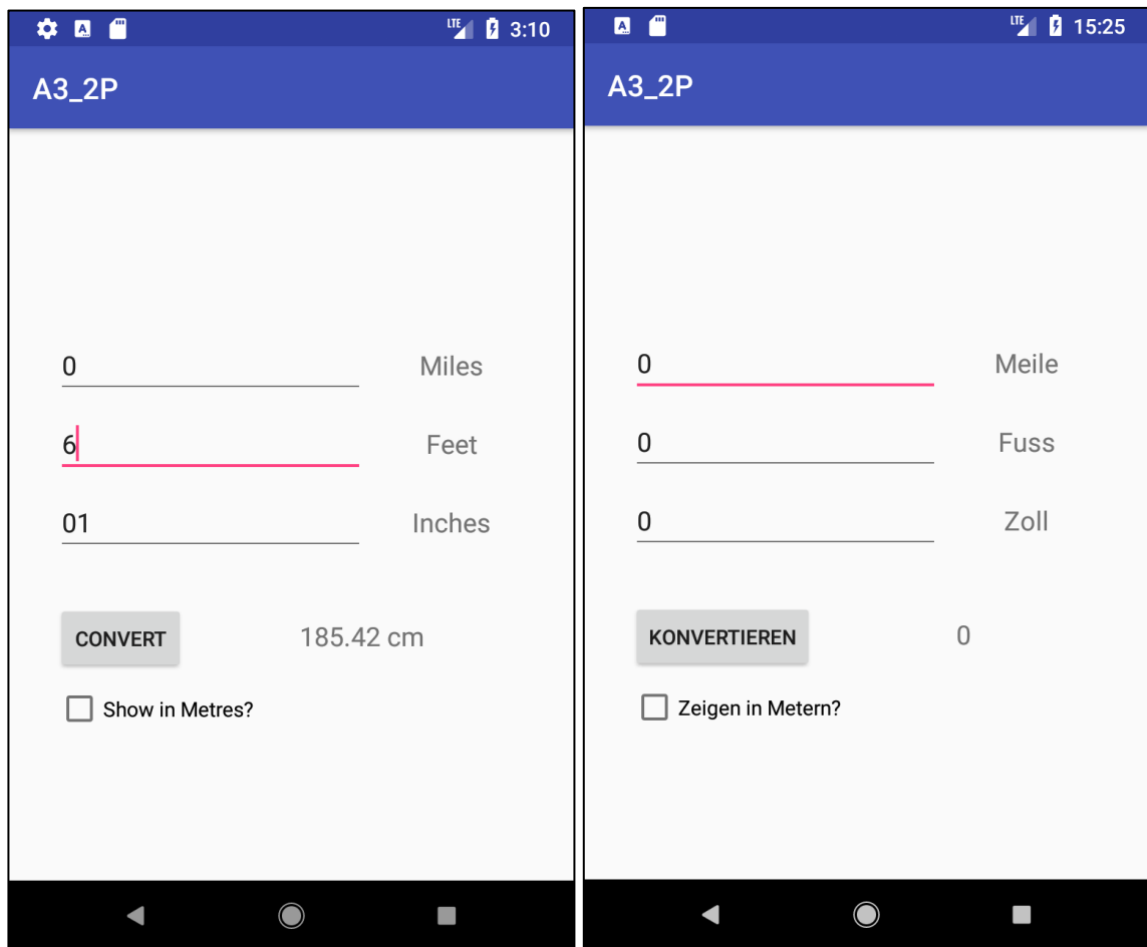


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<Button
    android:id="@+id/btnConvert"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginBottom="8dp"
    android:layout_marginTop="32dp"
    android:text="Convert"
    android:text="@string/strConvert"
    app:layout_constraintStart_toStartOf="@+id/etInches"
    app:layout_constraintTop_toBottomOf="@+id/etInches"
    app:layout_constraintVertical_bias="0.0" />
```

Refer Appendix 1 for screenshots illustrating this.

Appendix 1: Screenshots



Above Left: Portrait View, English.

Above Right: Portrait View, German (Language settings changed via phone's options menu)

Below: Landscape View, English. (Note the rearranged layout.)

