

# Exercise Five



In this exercise the Developer is going to create a module which will use all the input components previously mentioned, it is based on a Stock control system allowing the user to enter an item of Stock and its various attributes.

5.1 Using `exfour_3.java`, create a module which displays a Label and a Text Field for the user to enter a name for the Stock Item. Use a Grid Layout to position the components. Save as `exfive_1.java`



5.2 Using `exfive_1.java`, add a Text Area to accept two formatted text fields to hold the price per item and the current number in stock, create appropriate labels for these new objects. Save as `exfive_2.java`



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5.3 Using `exfive_2.java`, extend the processing so that the value of the stock is displayed as a calculation of *no in stock* x *price of stock* items. Display this value in a formatted text field. Make this field uneditable, use an `FocusListener` to detect for changes. To prevent an error occurring make sure both fields have values before multiplying them together. Save as `exfive_3.java`



5.4 Using `exfive_3.java`, create a combo box which gives the user five department options; "Hardware", "Plumbing", "Bathrooms", "Tools" and "Gardening". Save as `exfive_4.java`



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**This next exercise should only be attempted if there is sufficient time or you are waiting for other delegates to finish their exercises. Before attempting this exercise please make sure you have completed the previous exercises correctly.**

5.5 To convert inches to centimetres multiply by 2.54, to convert centimetres to inches multiply by 0.3937, create a new module which will display two formatted text fields, one which represents inches and the other centimetres, display the conversion in the other field following input from the user. Save as `exfive_5.java`

