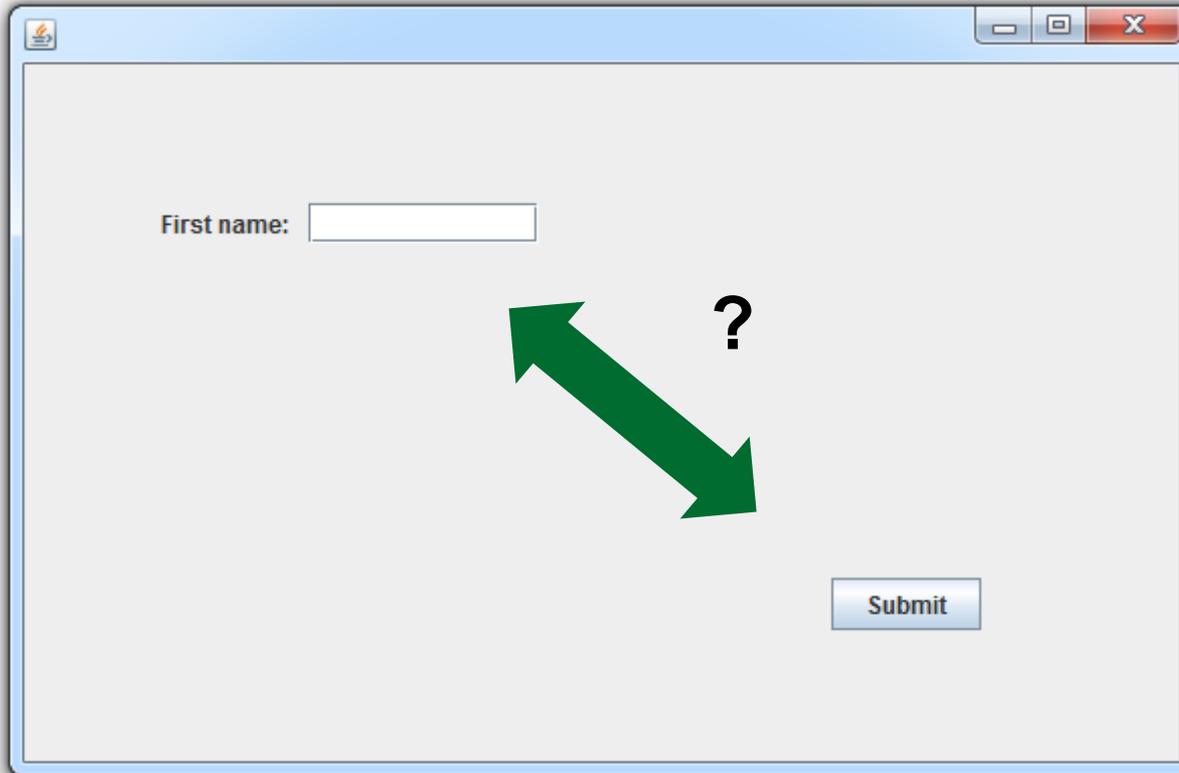


# UI Layouts in Swing

Dr. Andreas Schroeder



Anordnung der Elemente?

Verhalten bei Vergrößerung des Fensters?



## Was dieses Video behandelt

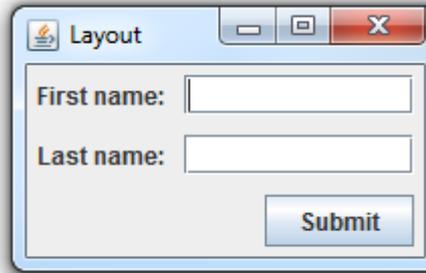
- Absolutes Layout („Null Layout“)
- FlowLayout
- CardLayout
- GridBagLayout

## Was es sonst noch gibt

- BorderLayout
- GridLayout
- BoxLayout
- GroupLayout
- SpringLayout

<http://docs.oracle.com/javase/tutorial/uiswing/layout/visual.html>

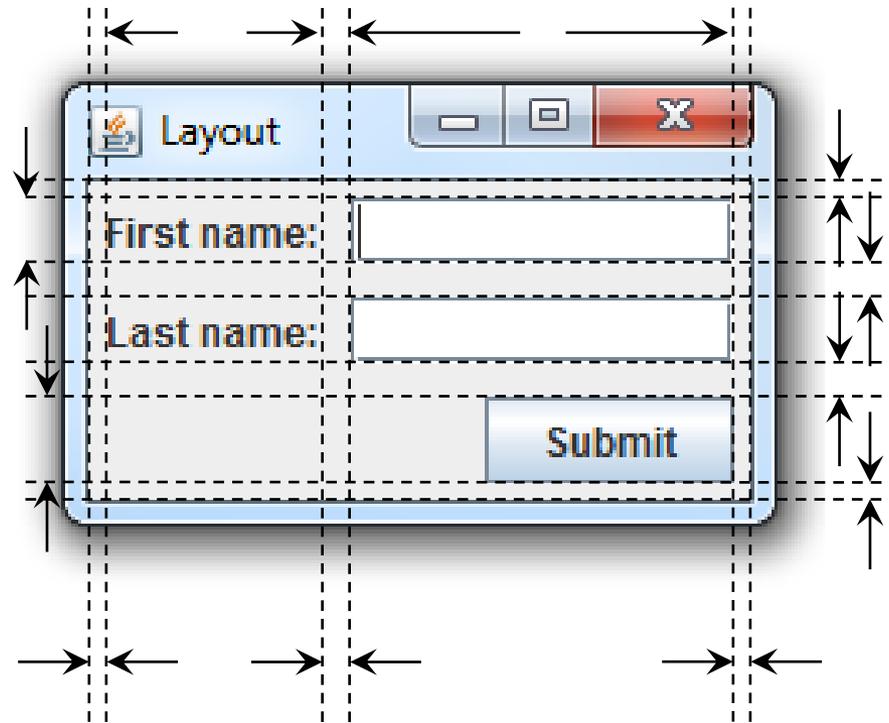
<http://docs.oracle.com/javase/tutorial/uiswing/layout/none.html>



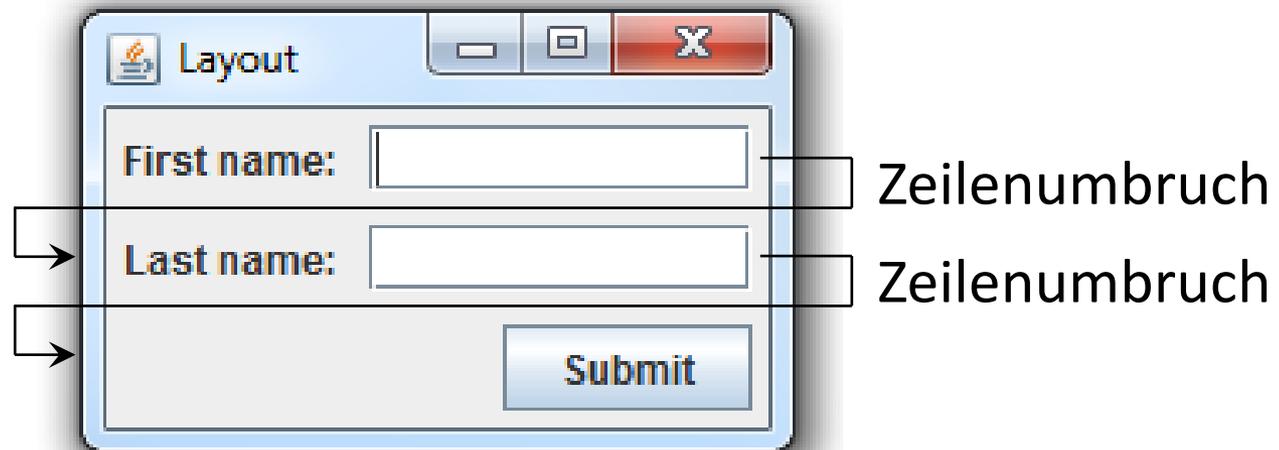
The screenshot shows a Java Swing window titled "Layout". It contains a simple form with two text input fields. The first field is labeled "First name:" and the second is labeled "Last name:". Below the fields is a "Submit" button.

- Einfaches Formular
  - Zwei beschriftete Textfelder
  - Ein „Submit“-Button.

- Absolute Positionierung



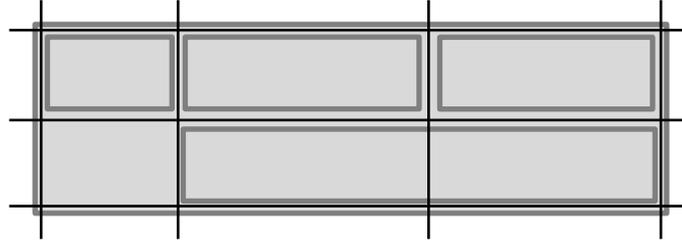
- Sehr einfaches Layout, wie automatischer Textumbruch
- Ausrichtung (alignment) der Elemente kann angegeben werden.



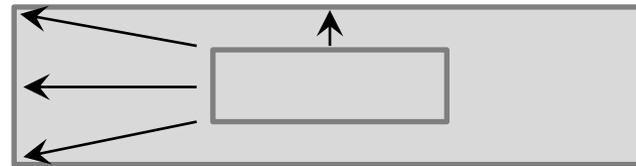


- Kinder werden übereinander gelegt
  - Größe des Containers = Größe des größten Kindes
  - Nur ein einziges Kind obenauf und sichtbar
  - Sichtbares Kind kann geändert werden
- 
- Praktisch für die Realisierungen von Wizards und Inhalts-Wechsel.

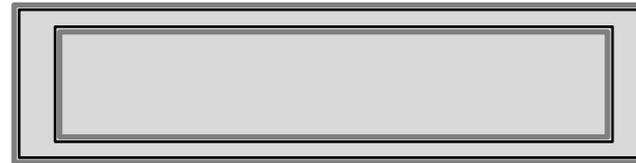
- Flexibles Gitter: Gitterposition und Gitterbreite/Höhe



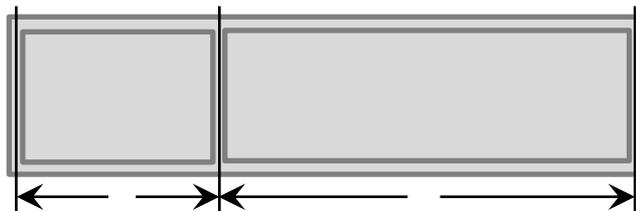
- Anchors



- Insets



- Gewichte





... am Beispiel

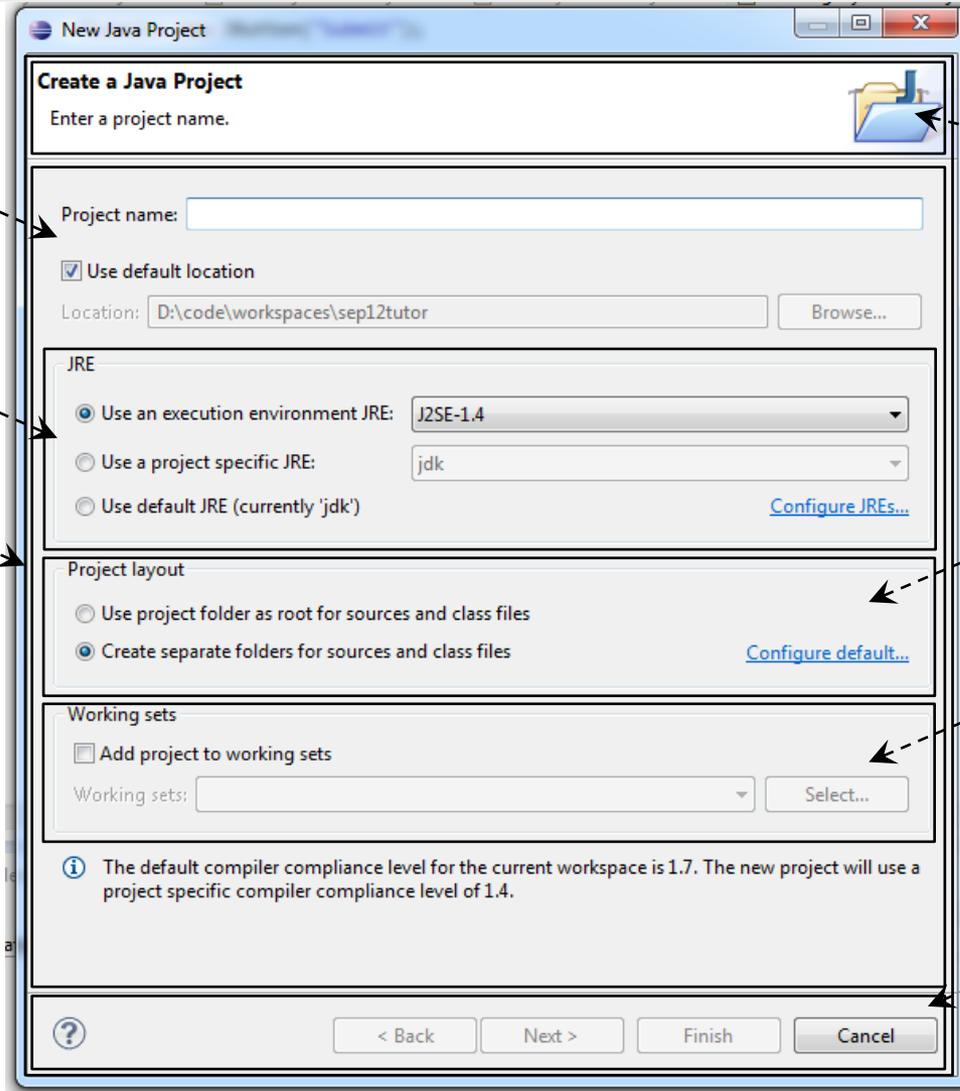
A screenshot of a Java Swing window titled "Layout". The window has a standard title bar with minimize, maximize, and close buttons. The main content area contains a form with two text input fields. The first field is labeled "First name:" and the second is labeled "Last name:". Below the fields is a "Submit" button. The form is styled with a light gray background and a blue border.



GridBag

GridBag

GridBag  
in  
Card



Flow

GridBag

GridBag

Flow



## Was in diesem Video behandelt wurde

- Absolutes Layout („Null Layout“)
- FlowLayout
- CardLayout
- GridBagLayout
- Kombination von Layouts