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# A11Y checker for NetBeans



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# CoE SUCCESS

**SU**n **C**enter of **E**xcellence in  
acce**SS**ibility



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## n Deliverables

- D1. Embed a tool for development of accessibility compliant applications in NetBeans IDE
- D2. Make (version of) NetBeans IDE customized for visually impaired developers
- D3. Make NetBeans Platform the best Java Application platform for development of accessible desktop application

n Duration: 3 years (2008-2011)

n Budget: 246.000 USD



# A11Y checker for Netbeans

The screenshot displays the NetBeans IDE interface with the A11Y checker. The top section shows the project structure on the left, the design view in the center, and the Properties window on the right. The design view shows a JCheckBox and a JButton. The Properties window shows the properties for the selected JCheckBox. The bottom section shows the A11Y Result Window with a table of errors and warnings.

**Focused component**

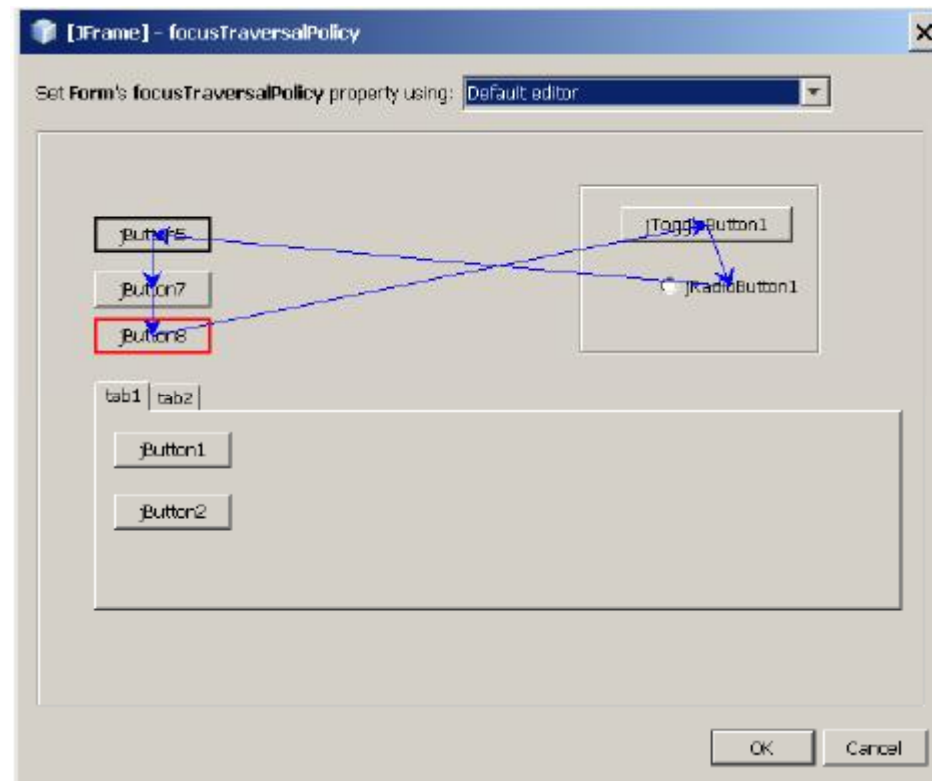
**Selected component**

Type	Rule	Recommendation / Description	Component
❗	Description	Provide Accessible Description property value	jCheckBox1
❗	Mnemonic	Provide proper mnemonic property value	jCheckBox1
❗	Description	Provide Accessible Description property value	Form
⚠	Mnemonic	Mnemonic 'k' is not present in components text property	jButton1
ℹ	Name	Accessible Name was copied from text property	jCheckBox1
ℹ	Name	Accessible Name was copied from text property	jButton1



# A11Y checker for Netbeans

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# NaviTerier

(NAVIGATION in inTERIER)




# NaviTerier - introduction

- n System for interior navigation of visually impaired people
- n Fits for universities, administrative buildings, libraries, etc.
- n Based on step-by-step describing of route between two points in building



DESCRIPTION: Corridor 10m long, office doors on right side. At the end, corridor turns left

ACTION:  go to turn at the end of corridor



# NaviTerier - function

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- n Consists of 3 main parts

## Navigating system



- n Navigating device:
  - Mobile phone (Symbian/Smartphone)
  - TTS system (voice output)
  - Navigating application
- n „Passive“ navigation
- n System prototype passed usability testing

