

5.– 8. September 2011
in Nürnberg



Herbstcampus

Wissenstransfer
par excellence

Java on Steroids

Wie funktionieren interne DSLs in Java?

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Warum DSLs?

Warum interne DSLs?



Warum interne DSLs in Java?



Beispiel-Mini-DSL (Rechte)

	Organisator	Trainer	Manager	Teilnehmer
Neuer Termin	x		x	
Termin bearbeiten	x	x	x	
Termin löschen	x		x	
Report erzeugen	x	x	x	x
...				

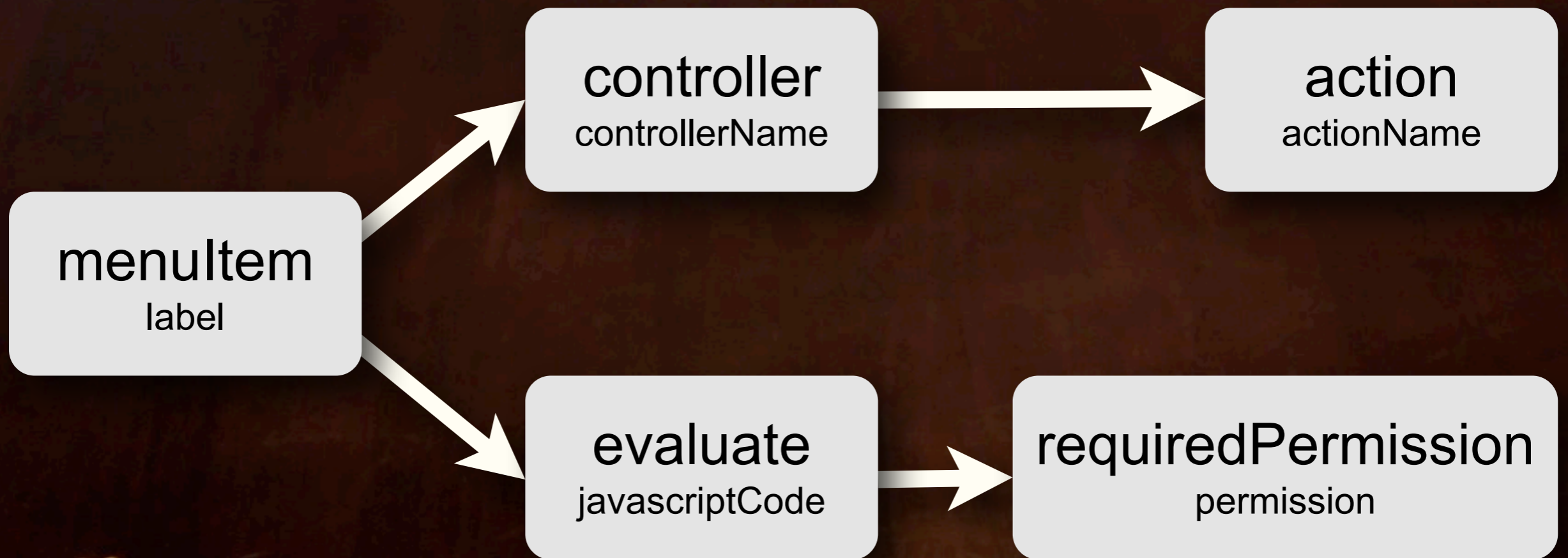
```
String [][] permissions = {  
    {NEW_EVENT,      "x - x -"},  
    {EDIT_EVENT,    "x x x -"},  
    {DELETE_EVENT,  "x - x -"},  
    {CREATE_REPORT, "x x x x"},  
    ...  
};
```



Demo



```
menuBar (  
  menu (  
    menuItem ("Open").controller ("project").action ("open"),  
    separator (),  
    menuItem ("Info").evaluate ("showInfo();").requiredPermission ("info"),  
  )  
)  
)
```



Demo



Techniken:

generic return value

static factory methods

var args

enums as keys

method chaining

progressive interfaces

{{...}}-trick

jMock

lambdaj



I'm trying to free your mind, Neo. But I can only show you the door. You're the one that has to walk through it.

Morpheus (Matrix)



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Vielen Dank!

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