

Spec Tutorial

How to do Senders/Implementors
and ClassBrowser in 30 minutes

Senders

- ⦿ How to simply do a Spec interface
- ⦿ How to link sub widgets together

```
ComposableModel subclass: #Senders
  instanceVariableNames: 'methods sourceCode'
  classVariableNames: ''
  poolDictionaries: ''
  category: 'SpecTuto'
```

initializeWidgets

```
self instantiateModels: #(
  methods ListComposableModel
  sourceCode TextModel ).
```

defaultSpec

```
<spec>

^ SpecLayout composed
  newColumn: [ :column |
    column
      newRow: [ :r | r add: #methods ];
      newRow: [ :r | r add: #sourceCode ];
    yourself
```

x - □

Untitled window



initializePresenter

```
methods whenSelectedItemChanged: [ :aMethod |  
    aMethod  
        ifNil: [ sourceCode text: "" ]  
        ifNotNil: [  
            sourceCode text: aMethod sourceCode.  
            sourceCode behavior: aMethod methodClass ] ]
```

initializeWidgets

```
self instantiateModels: #(  
    methods ListComposableModel  
    sourceCode TextModel ).  
  
sourceCode aboutToStyle: true.  
methods displayBlock: [ :item | self displayItem: item ].  
methods on: $b command do: [ self browse ]
```

browse

```
methods selectedItem browse
```

displayItem: anItem

```
^ String streamContents: [ :s |  
    s << anItem methodClass name << ' >> #' << anItem selector ]
```

title

```
^ 'Senders – Implementors'
```

x - □

Senders - Implementors

```
Object >> #sizeInMemory
Object >> #acceptDroppingMorph:event:inMorph:
Object >> #hasLiteralSuchThat:
Object >> #perform:withArguments:
Object >> #instVarNamed:
Object >> #isThisEverCalled
Object >> #adaptToInteger:andCompare:
Object >> #nbCallsOptions:
<
```

instVarNamed: aString

"Return the value of the instance variable in me with that name. Slow and unclean, but very useful."

^ self instVarAt: (self class

instVarIndexFor: aString asString

ifAbsent: [self error: 'no such inst

```
ComposableModel subclass: #ClassBrowser
instanceVariableNames: 'classes senders'
classVariableNames: ''
poolDictionaries: ''
category: 'SpecTuto'
```

initializeWidgets

```
self instantiateModels: #(
    classes ListComposableModel
    senders Senders ).
```

defaultSpec

```
<spec>

^ SpecLayout composed
newColumn: [ :column |
    column
        newRow: [ :row |
            row
                add: #classes;
                addSplitter;
                add: #(senders methods) ];
                addSplitter;
                add: #(senders sourceCode) ];
            yourself
```

✖ - □

Untitled window



initializeWidgets

```
self instantiateModels: #(  
    classes ListComposableModel  
    senders Senders ).  
  
senders methodDisplayBlock: [ :aMethod | self displayMethod: aMethod ]
```

initializePresenter

```
classes whenSelectedItemChanged: [ :class |  
    class  
        ifNil: [ senders methods: {} ]  
        ifNotNil: [ senders methods: class methods ].  
    self updateTitle ].
```

displayMethod: method

 ^ method selector

title

 ^ classes selectedItem

 ifNil: ['Class Browser']

 ifNotNil: [:class | class name]

x - □

AbstractKeymappingTest

AbstractGroup
AbstractGroupAnnouncer
AbstractInstructionTests
AbstractKeyPressedPlugin
AbstractKeymappingTest
AbstractMethodConverter
AbstractMethodIconAction
AbstractMethodReferenceCn

- eventKey:
- tearDown
- eventKey:shift:
- eventKey:command:
- eventKey:ctrl:
- eventKey:alt:
- setUp
- eventKey:alt:ctrl:command:sh

eventKey: character ctrl: aBoolean

 ^ self eventKey: character
 alt: false
 ctrl: aBoolean
 command: false
 shift: false