

# 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

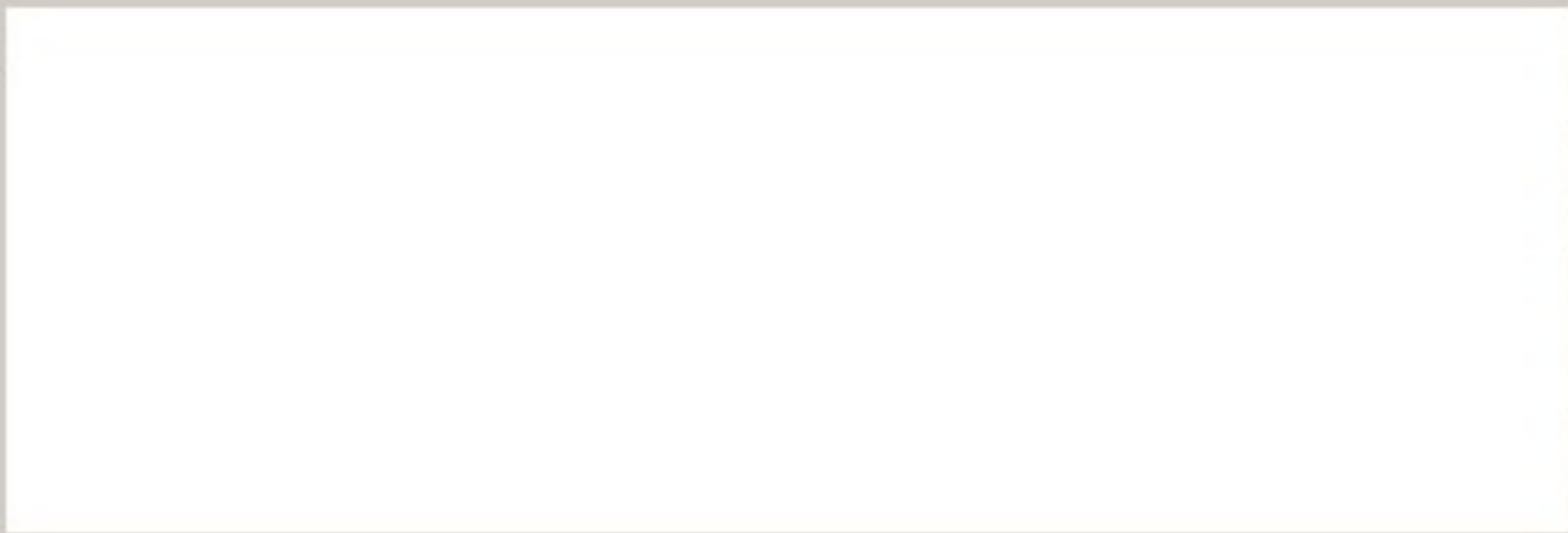
```
<spec>

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





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**

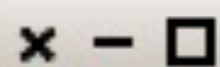
^ String streamContents: [ :s |

s << anItem methodClass name << ' >> #' << anItem selector ]

**title**

^ 'Senders - Implementors'





## Senders - Implementors

Object >> #sizeInMemory  
Object >> #acceptDroppingMorph:event:inMorph:  
Object >> #hasLiteralSuchThat:  
Object >> #perform:withArguments:  
Object >> #instVarNamed:  
Object >> #isThisEverCalled  
Object >> #adaptToInteger:andCompare:  
Object >> #nbCallOptions:

### **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

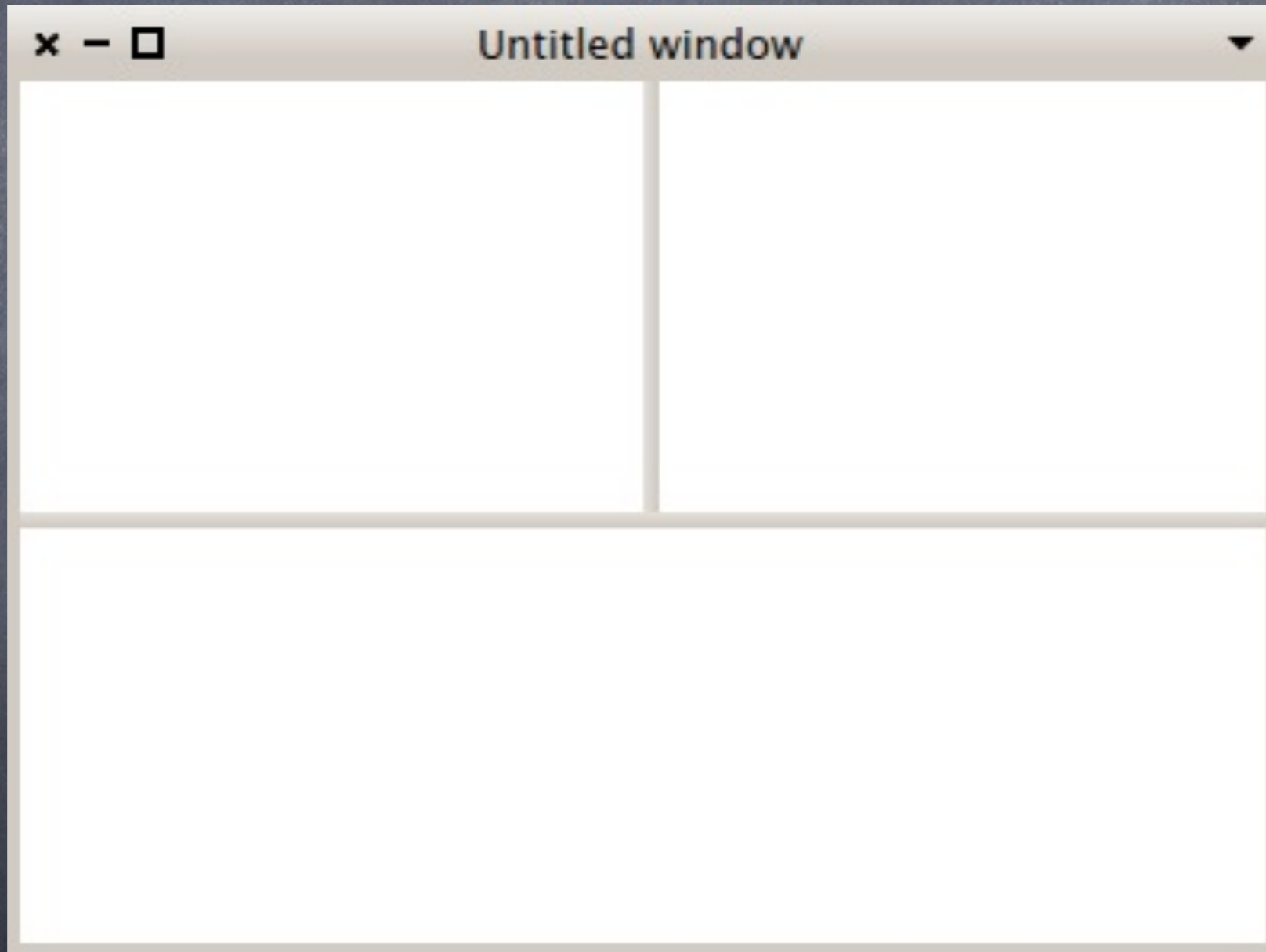
```
self instantiateModels: #(
  classes ListComposableModel
  senders Senders ).
```

### defaultSpec

```
<spec>

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







## 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 ]



AbstractKeymappingTest

AbstractGroup	eventKey:
AbstractGroupAnnouncemer	tearDown
AbstractInstructionTests	eventKey:shift:
AbstractKeyPressedPlugin	eventKey:command:
<b>AbstractKeymappingTest</b>	<b>eventKey:ctrl:</b>
AbstractMethodConverter	eventKey:alt:
AbstractMethodIconAction	setUp
AbstractMethodReferenceCo	eventKey:alt:ctrl:command:sh

**eventKey: character ctrl: aBoolean**

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