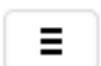


Molding **Declarative Views**

feenk.com

Alistair Grant

pharo-users/dev: akgrant0710@gmail.com



Icon	Variable	Value
Σ	self	(21/2)
Σ	numerator	21
Σ	denominator	2

Icon	Variable	Value
Ⓢ	self	/home/alistair/pharo8/gt59
Ⓢ	filesystem	a FileSystem
Ⓢ	path	Path / 'home' / 'alistair' / 'pha

Icon	Variable	Value
Ⓢ	self	/home/alistair/pharo8/gt59/
Ⓢ	filesystem	a FileSystem
Ⓢ	path	Path / 'home' / 'alistair' / 'pha

Icon	Variable	Value
Ⓢ	self	BIElement
Ⓢ	elevation	a BIRelativeElevation
Ⓢ	geometry	a BIRectangle
Ⓢ	geometryResizer	a BIGeomMatchResizer
Ⓢ	parent	nil
Ⓢ	boundsCache	a BIBoundsCache
Ⓢ	eventDispatcher	Bubbling event dispatcher fo
Ⓢ	border	a BIBorder
Ⓢ	background	a BIPaintBackground
Ⓢ	backgroundResizer	a BIBackgroundMatchResizer
Ⓢ	constraints	a BILayoutCommonConstrai
Ⓢ	layout	a BIBasicLayout

Icon	Variable	Value
Ⓢ	self	a GtGraphCircleNeighbourho
{ }	circles	an Array [2 items] (a GtGraph
Ⓢ	neighbourCircle	a GtGraphCircle

Icon	Variable	Value
Ⓢ	self	The moldable editorcan emb
Ⓢ	announcer	nil
Ⓢ	rope	The moldable editorcan emb

a Fraction ((21/2))

Preview Raw Print Connections Meta

$$\frac{21}{2} = 10.5$$

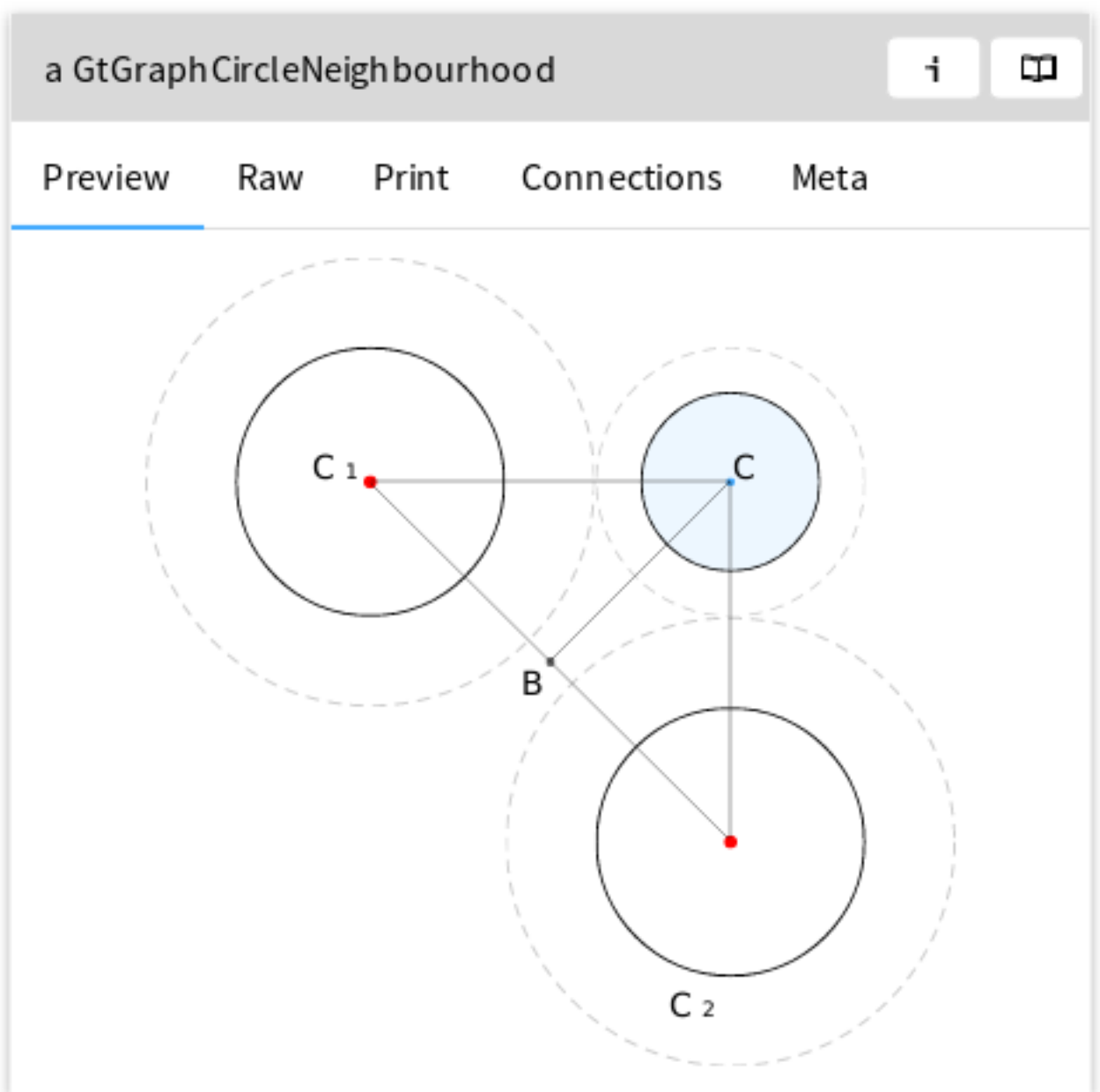
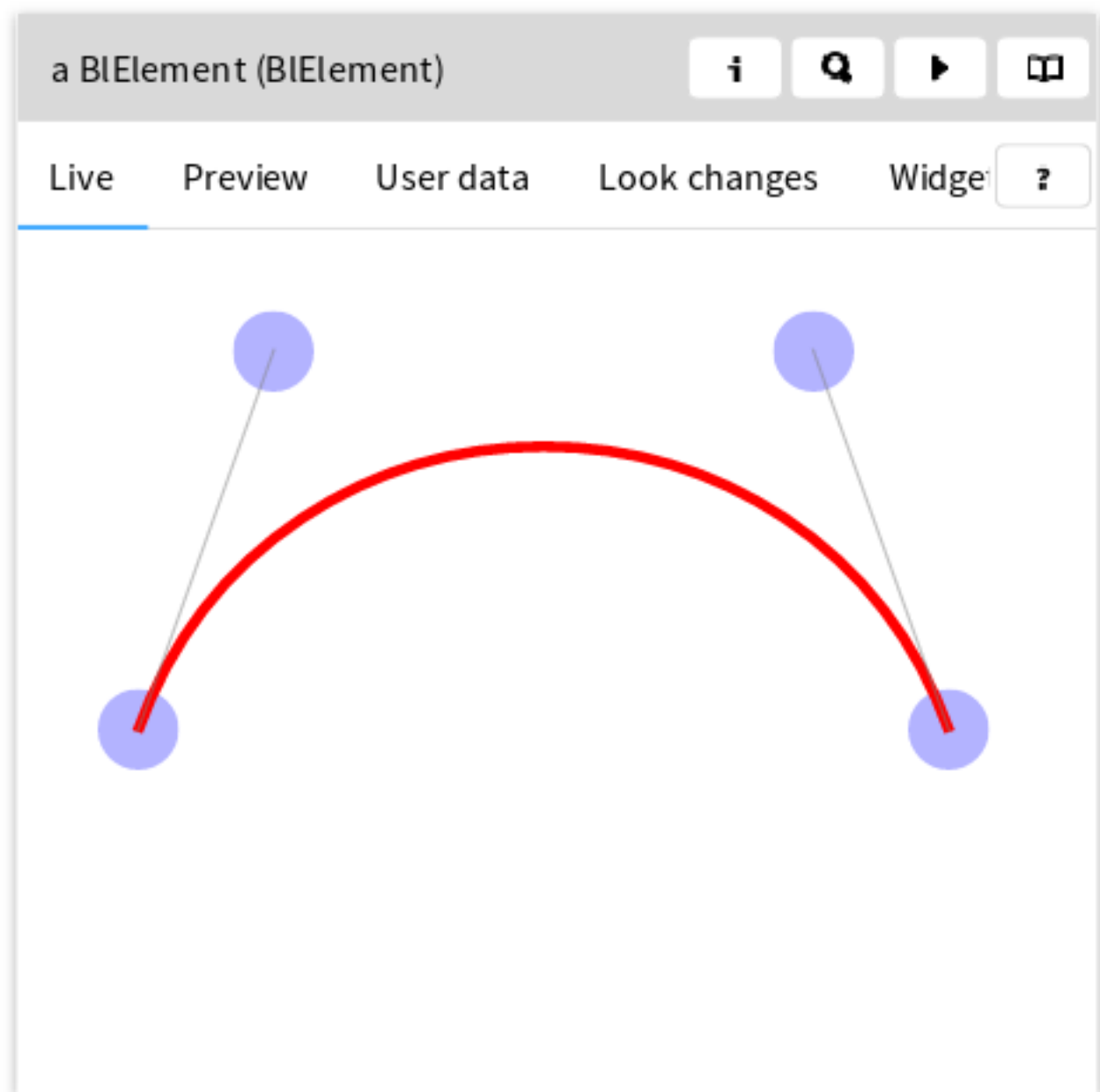
a FileReference (/home/alistair/pharo8/gt59)

Items Path Raw Print Connections Meta

Icon	Name	Size	Creation
📁	..	0 B	1975-08-10 12:26:1
📁	akgimage	0 B	1975-08-10 12:28:4
📁	knowling	0 B	1975-08-10 12:28:43
📁	pharo-local	0 B	1975-08-10 14:43:4
📁	pharo-vm	0 B	1975-08-10 12:29:4
📁	vmph	0 B	1975-08-10 14:04:2
📄	Pharo.changes	52.31 MB	1975-08-12 08:14:3
📄	Pharo.image	212.13 MB	1975-08-12 02:58:5
📄	Pharo 7.0-32bit-ccd	34.35 MB	1975-08-10 12:29:2
📄	PharoDebug.log	42.98 kB	1975-08-12 06:38:2
📄	libClipboard.so	2.65 MB	1975-08-10 12:51:3
📄	libGlutin.so	5.77 MB	1975-08-10 13:10:2

a FileReference (/home/alistair/pharo8/gt59/pharo-l)

Picture Contents Path Raw Print Connections

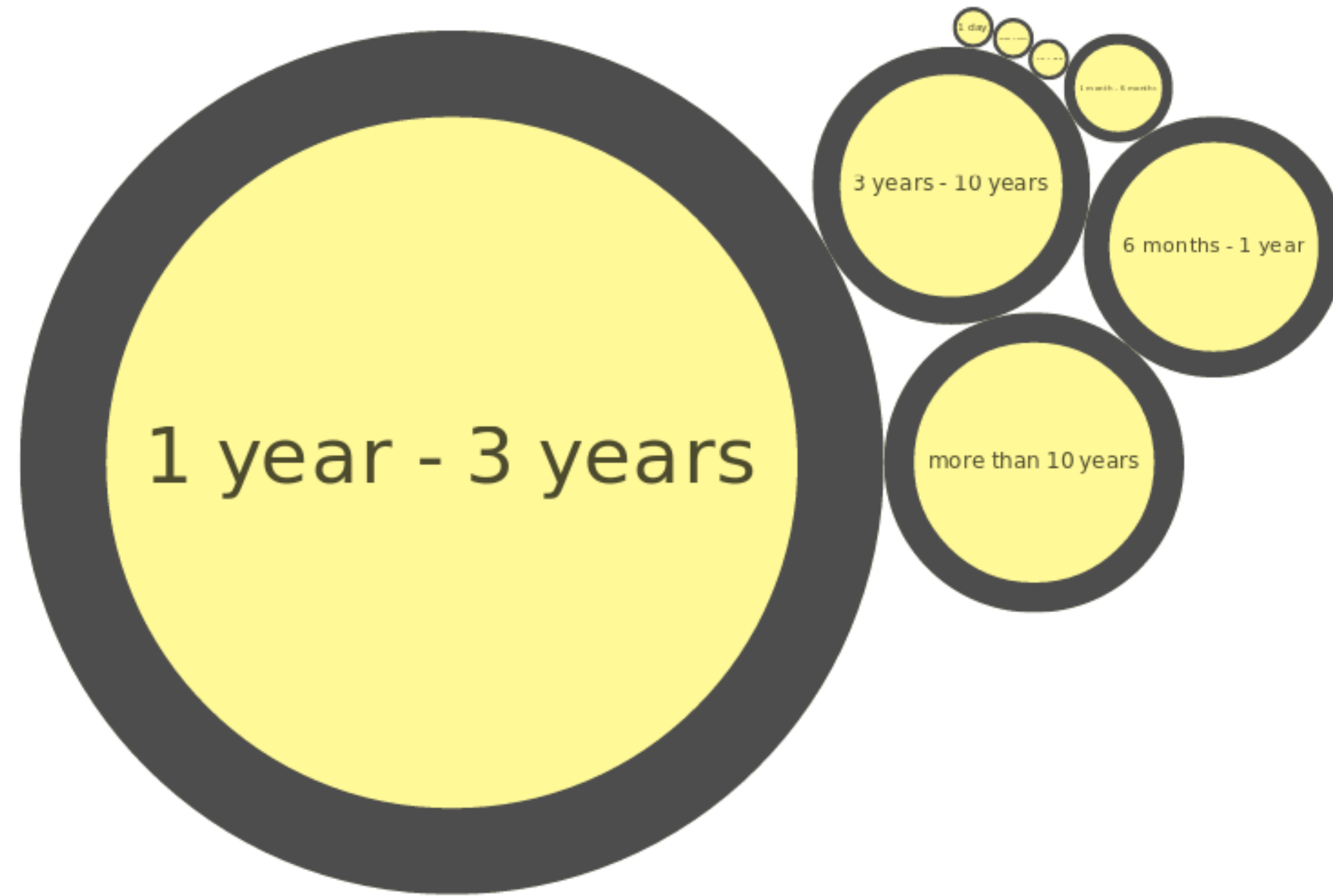


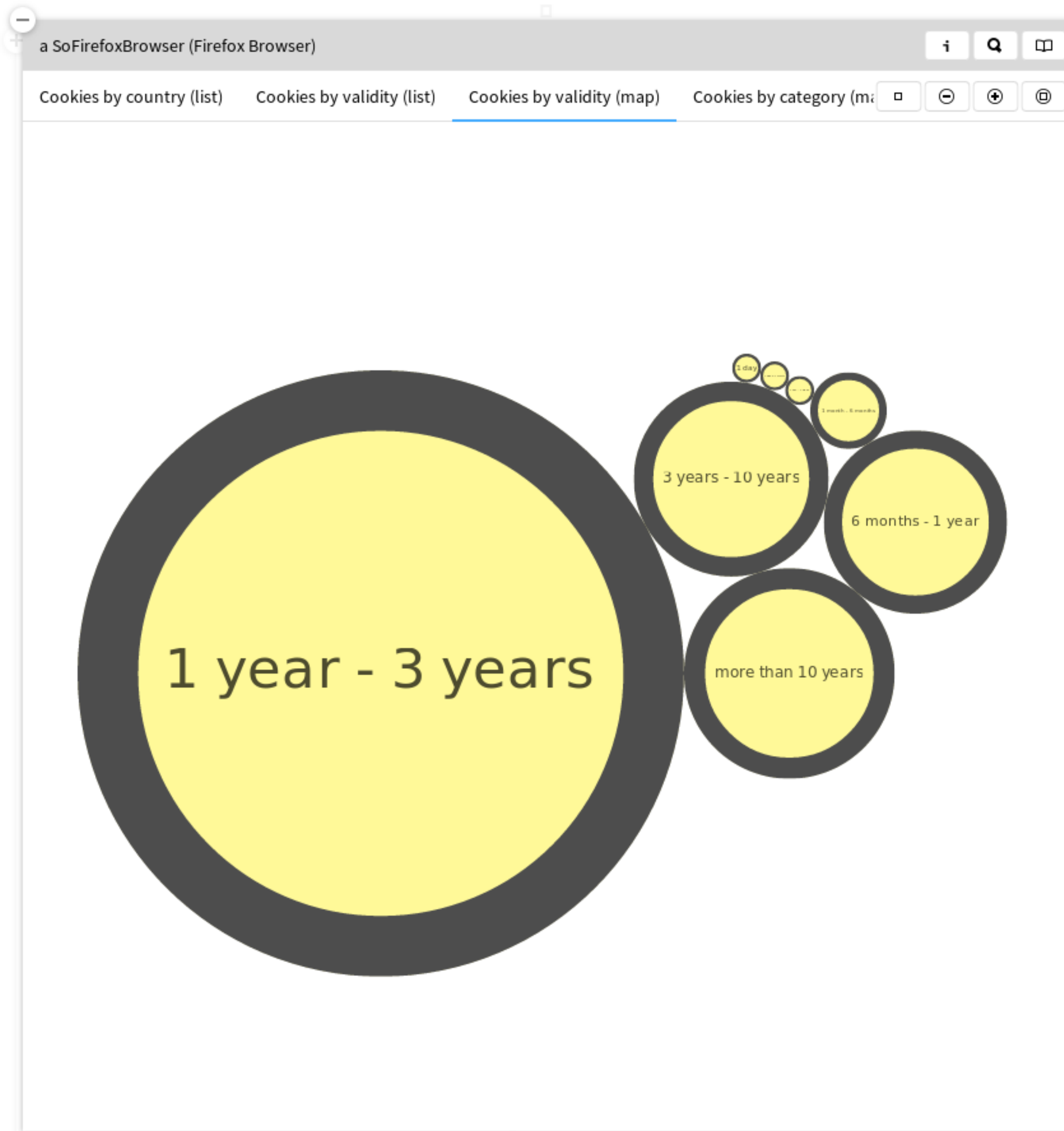
a BIRopedText (The moldable editor can embed graphical elements)

String Text Tree Raw Print Connections Meta

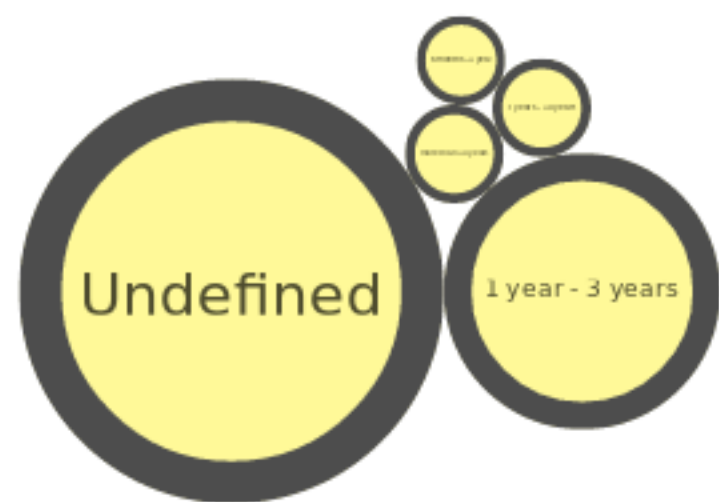
The moldable editor can embed graphical elements.

1	\$T
2	\$h
3	\$e
4	space
5	\$m
6	\$o
7	\$l
8	\$d
9	\$a
10	\$b
11	\$l
12	\$e
13	space
14	\$e
15	\$d
16	\$i
17	\$t
18	\$o





```
Sociator > SoCookiesGroup
gtViewCookiesByValidityMapFor: aView
<gtView>
^ aView circularPack
  title: 'By validity (map)';
  priority: 55;
  circleData: [
    (self groupedBy: #validityDurationCategory)
  ]
associations
  collect: [ :assoc | {
    'name' -> assoc key name .
    'size' -> assoc value size} asDictionary ] ]
```



```

{
  "viewName" : "GtDeclarativeCircularPackView",
  "priority" : 1,
  "title" : "Cookies by validity",
  "circleData" : [
    {
      "name" : "6 months - 1 year",
      "size" : 90
    },
    {
      "name" : "1 year - 3 years",
      "size" : 280
    },
    {
      "name" : "3 years - 10 years",
      "size" : 100
    },
    {
      "name" : "more than 10 years",
      "size" : 100
    },
    {
      "name" : "Undefined",
      "size" : 430
    }
  ],
  "dataTransport" : 1
}

```

```

a FileReference (/home/alistair/pharo8/esug/feenk-stories/supporting/esu
Code Contents Path Raw Print Connections Meta
var SoEntity = require('./entity');
var ViewedObject = require('../introspection/ViewedObject.js');

class SoBrowser extends SoEntity {
  constructor (id, name) {
    super(id);
    this.name = name;
    this.cookies = [];
  }

  getName() {
    return this.name;
  }

  addCookie(cookie) {
    this.cookies.push(cookie);
  }

  cookiesGroupedByRootDomain() {
    return this.cookiesGroupedBy(cookie =>
    cookie.getRootDomainName());
  }

  cookiesGroupedByBaseDomain() {
    return this.cookiesGroupedBy(cookie =>
    cookie.getBaseDomain());
  }

  cookiesGroupedByValidity() {
    return this.cookiesGroupedBy(cookie =>
    cookie.categoryValue('validityDuration'));
  }

  cookiesGroupedBy(groupingCallback) {
    let groupedCookies = new Map();
    this.cookies.forEach(cookie => {
      let property = groupingCallback(cookie);
      var group = groupedCookies.get(property);
      if (!group) {
        group = [];
        groupedCookies.set(property, group);
      }
      group.push(cookie);
    });
  }
}

```

Code Contents Path Raw Print Connections Meta

```
var View = require('./view');

class CircularPackView extends View {
  constructor() {
    super();
    this.itemsCallback = () => [[]];
    this.circleNameCallback = null;
    this.circleSizeCallback = null;
  }

  items(itemsCallback) {
    this.itemsCallback = itemsCallback;
    return this;
  }

  circleName(circleNameCallback) {
    this.circleNameCallback = circleNameCallback;
    return this;
  }

  circleSize(circleSizeCallback) {
    this.circleSizeCallback = circleSizeCallback;
    return this;
  }

  computeItems() {
    return this.itemsCallback();
  }

  asDictionaryForExport() {
    let exportData = super.asDictionaryForExport();
    exportData['viewName'] = 'GtDeclarativeCircularPackView';
    exportData['dataTransport'] = 1;
    exportData['circleData'] = this.computeItems().map(
      item => {return {
        name: this.circleNameCallback(item),
        size: this.circleSizeCallback(item),
      }}
    );
    return exportData;
  }
}
```

module exports = CircularPackView

gtoolkit.com

a GtRemoteInspectorClient

Named Objects Raw Print Connections Meta

'Chrome'

'Firefox'

'Safari'

Proxy to: Chrome

Cookies by validity Cookie details Cookie names Cookies Cookies by domain UI Details Raw Prin

Validity Period	Relative Size
Undefined	Largest
1 year - 3 years	Large
more than 10 years	Small
3 years - 10 years	Small
6 months - 1 year	Small

+ a GtRemoteInspectorClient

Named Objects Raw Print Connections Meta

'Chrome'

'Firefox'

'Safari'

Proxy to: Chrome

Cookies by validity Cookie details Cookie names Cookies Cookies by domain UI Details Raw Print Proxy Proxy view

Item	Value
id	303118592
name	Chrome
cookies	an Array [100 items] (a Dictionary('baseDomain'-'>'janne.info' 'categories'-

+ a GtRemoteInspectorClient

Named Objects Raw Print Connections Meta

'Chrome'

'Firefox'

'Safari'

Proxy to: Chrome

Cookies by validity Cookie details Cookie names Cookies Cookies by domain UI Details Raw Print Proxy Proxy view

Icon	Variable	Value
ⓘ	self	a GtRemoteInspectorProxy
🔍	name	'Chrome'
ⓘ	client	a GtRemoteInspectorClient
{ }	accessors	an Array [8 items] (a GtDeclarativeViewAccessorClient a GtDeclarativeV

Proxy to: Chrome

Cookies by validity Cookie details Cookie names Cookies Cookies by domain UI Details Raw Print Proxy Proxy views

Cookie names

Raw

Print

Cookie details

Cookies

Cookies by domain

Cookies by validity

UI Details

a GtDeclarativeCircularPackView

Json Raw Print Connections Meta

```
{
  "viewName" : "GtDeclarativeCircularPackView",
  "priority" : 1,
  "title" : "Cookies by validity",
  "circleData" : [
    {
      "name" : "6 months - 1 year",
      "size" : 90
    },
    {
      "name" : "1 year - 3 years",
      "size" : 280
    },
    {
      "name" : "3 years - 10 years",
      "size" : 100
    },
    {
      "name" : "more than 10 years",
      "size" : 100
    },
    {
      "name" : "Undefined",
      "size" : 430
    }
  ],
  "dataTransport" : 1
}
```