Spray

Package org.eclipselabs.spray.requirements.actors

Use cases and actors overview

Actor	Type	Description
SprayDeveloper	System	The person who provides bugfixes and new Spray features.
SprayBuildManager	System	The person who delivers new Spray releases / update sites.
DomainExpert	System	The person who defines the domain meta model.
DiagramEditorCreator	System	The person who defines / generates the diagram editor for a given domain meta model.
DiagramEditorUser	System	The person who uses the generated diagram editor to create a new domain model.

org.eclipselabs.spray.requirements.actors

SprayDeveloper

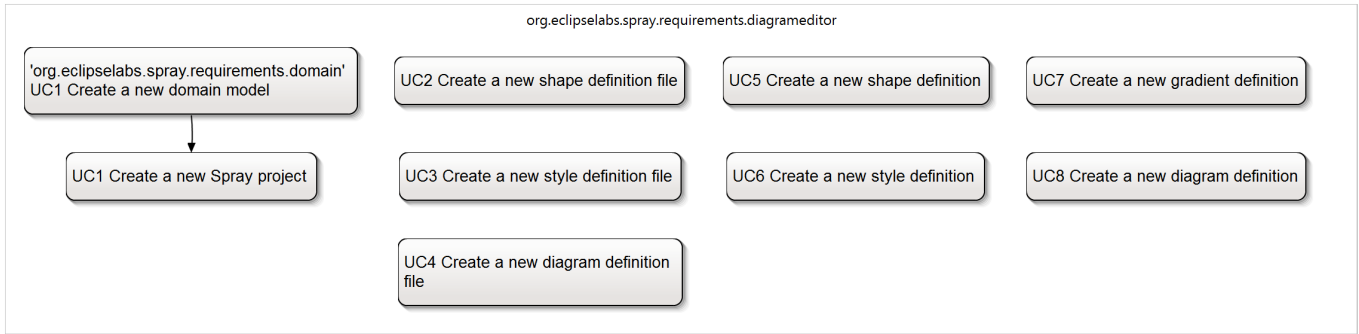SprayBuildManager
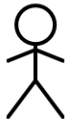
DomainExpert

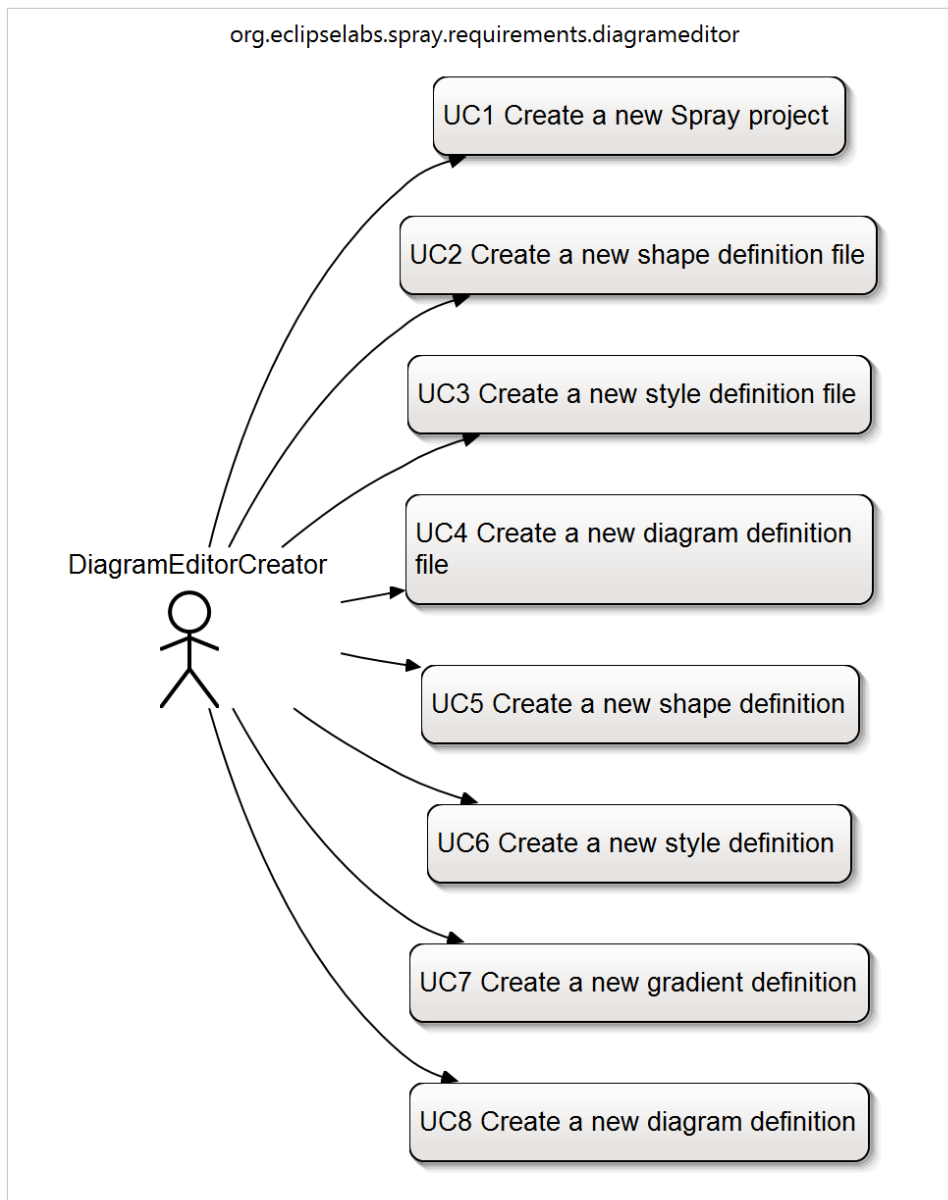DiagramEditorCreator

DiagramEditorUser

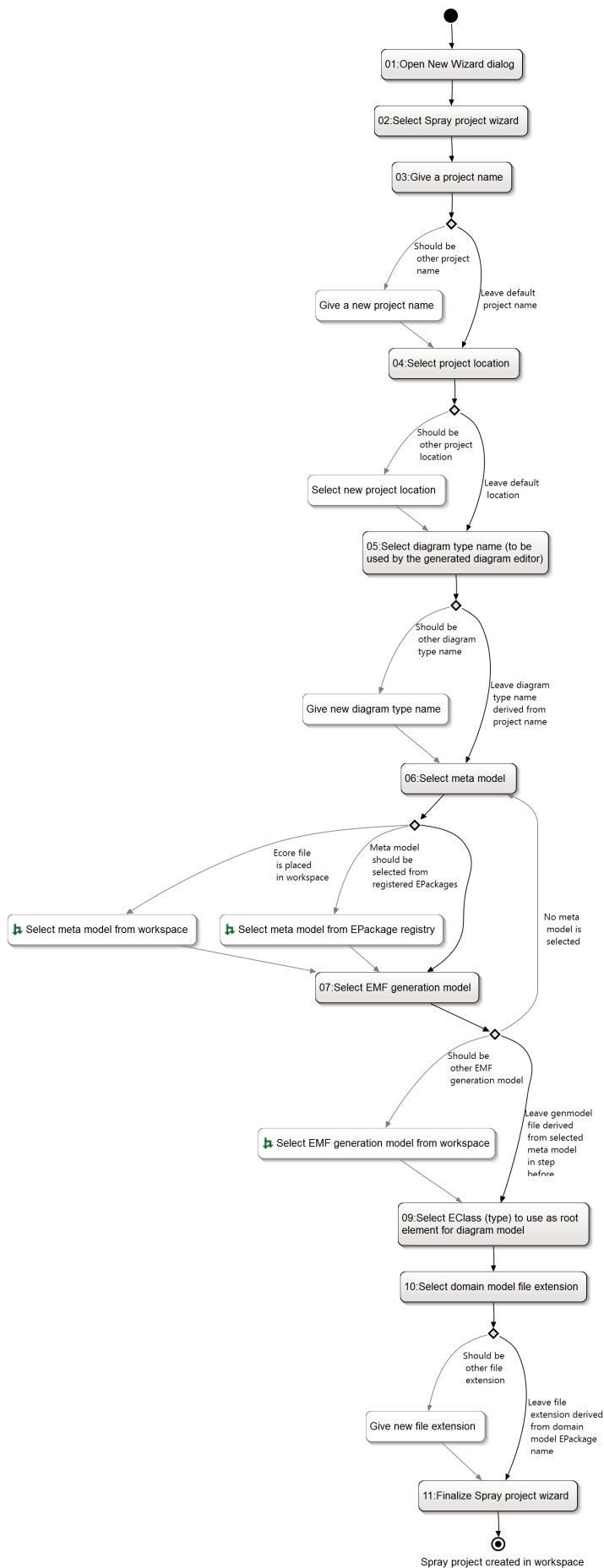# Package org.eclipselabs.spray.requirements.diagrameditor

Business process overview

org.eclipselabs.spray.requirements.diagrameditor

'org.eclipselabs.spray.requirements.domain'
UC1 Create a new domain model

UC1 Create a new Spray project

UC2 Create a new shape definition file

UC3 Create a new style definition file

UC4 Create a new diagram definition file

UC5 Create a new shape definition

UC6 Create a new style definition

UC7 Create a new gradient definition

UC8 Create a new diagram definition

Use cases and actors overview

Use case UC1 Create a new Spray project

Pre conditions	Domain model exists (UC1)
Post conditions	Spray project created in workspace Spray project wizard is finalizable(Incomplete fields) Spray project wizard uses a unique project name(Duplicate project name) Spray project wizard uses a valid project name(Invalid project name) genmodel file selected(Select EMF generation model from workspace) meta model selected(Select meta model from workspace, Select meta model from EPackage registry)
Actors	DiagramEditorCreator
Screens	Workbench.emptyWorkbench, Workbench.projectWizardComplete, newWizardDialog.projectWizardSelection
Requirements	org.eclipselabs.spray.requirements.issues.issue0021

Basic flow		
	01	Open New Wizard dialog Screen: Workbench.emptyWorkbench
	02	Select Spray project wizard Screen: newWizardDialog.projectWizardSelection
	03	Give a project name Screen: Workbench.projectWizardComplete → If Should be other project name: Give a new project name → Continue if Leave default project name
	04	Select project location Screen: Workbench.projectWizardComplete → If Should be other project location: Select new project location → Continue if Leave default location
	05	Select diagram type name (to be used by the generated diagram editor) Screen: Workbench.projectWizardComplete → If Should be other diagram type name: Give new diagram type name → Continue if Leave diagram type name derived from project name
	06	Select meta model Screen: Workbench.projectWizardComplete → If Ecore file is placed in workspace: Alternative Select meta model from workspace → Continue with step 07 → If Meta model should be selected from registered EPackages: Alternative Select meta model from EPackage registry → Continue with step 07
	07	Select EMF generation model Screen: Workbench.projectWizardComplete → If No meta model is selected: → Continue with step 06 → If Should be other EMF generation model: Alternative Select EMF generation model from workspace → Continue with step 09 → Continue if Leave genmodel file derived from selected meta model in step before
	09	Select EClass (type) to use as root element for diagram model Screen: Workbench.projectWizardComplete
	10	Select domain model file extension → If Should be other file extension: Give new file extension → Continue if Leave file extension derived from domain model EPackage name
	11	Finalize Spray project wizard
	End of flow with post condition: Spray project created in workspace	

01:Open New Wizard dialog

02:Select Spray project wizard

03:Give a project name

Should be other project name

Give a new project name

Leave default project name

04:Select project location

Should be other project location

Select new project location

Leave default location

05:Select diagram type name (to be used by the generated diagram editor)

Should be other diagram type name

Give new diagram type name

Leave diagram type name derived from project name

06:Select meta model

Ecore file is placed in workspace

Meta model should be selected from registered EPackages

No meta model is selected

Select meta model from workspace

Select meta model from EPackage registry

07:Select EMF generation model

Should be other EMF generation model

Select EMF generation model from workspace

Leave genmodel file derived from selected meta model in step before

09:Select EClass (type) to use as root element for diagram model

10:Select domain model file extension

Should be other file extension

Give new file extension

Leave file extension derived from domain model EPackage name

11:Finalize Spray project wizard

Spray project created in workspace

Alternative: Select meta model from workspace	1	Browse workspace Screen: Workbench.projectWizardComplete
	2	Select Ecore file
		End of flow with post condition: **meta model selected**

Use Case UC1 – Alternative Flow Select meta model from workspace

```
        ●
        │
        ▼
┌──────────────────┐
│ 1:Browse workspace│
└──────────────────┘
        │
        ▼
┌──────────────────┐
│ 2:Select Ecore file│
└──────────────────┘
        │
        ▼
        ◉
  meta model selected
```
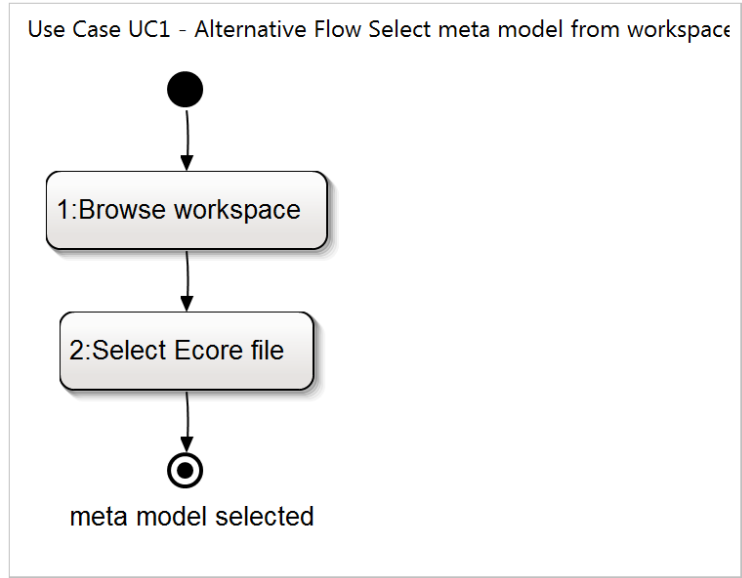
Alternative: Select meta model from EPackage registry	1	Browse registered EPackages Screen: Workbench.projectWizardComplete
	2	Select meta model EPackage
		End of flow with post condition: **meta model selected**

Use Case UC1 - Alternative Flow Select meta model from EPackage registry
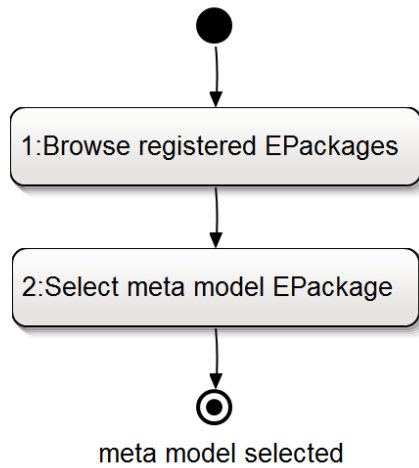
Alternative: `Select EMF generation model from workspace`	1	Browse workspace Screen: Workbench.projectWizardComplete
	2	Select genmodel file
		End of flow with post condition: genmodel file selected

Use Case UC1 - Alternative Flow Select EMF generation model from workspace
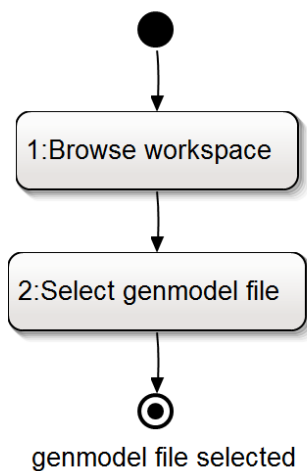
Exception: Invalid project name	**If** Project name contains invalid characters
	1 Remove invalid characters from project name
	Stop of flow with post condition: Spray project wizard uses a valid project name

Use Case UC1 – Exception Flow Invalid project name

1:Remove invalid characters from project name

Spray project wizard uses a valid project name
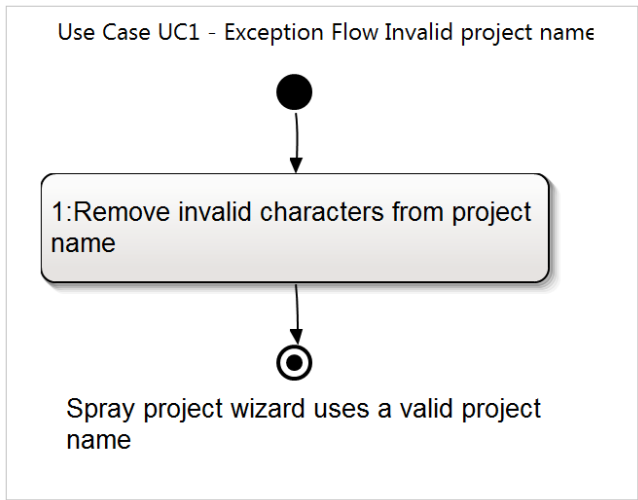
Exception: Duplicate project name	**If** There is already a project in the workspace with the given name
	1 Choose a different project name not used by any existing projects in the workspace
	Stop of flow with post condition: Spray project wizard uses a unique project name

Use Case UC1 – Exception Flow Duplicate project name

1:Choose a different project name not used by any existing projects in the workspace

Spray project wizard uses a unique project name
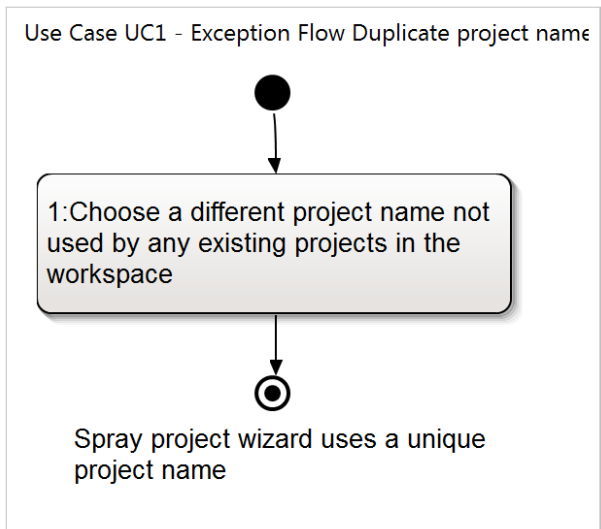
Exception: Incomplete fields	**If** Not all required fields of the wizard are filled	
	1	Fill all required fields in the wizard page with valid values
	Stop of flow with post condition: Spray project wizard is finalizable	

Use Case UC1 – Exception Flow Incomplete fields

1:Fill all required fields in the wizard page with valid values

Spray project wizard is finalizable
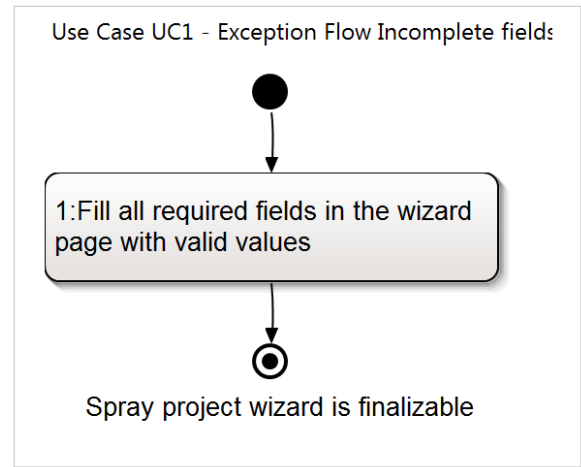
Use case UC2 Create a new shape definition file

Actors	DiagramEditorCreator

Use case UC3 Create a new style definition file

Actors	DiagramEditorCreator

Use case UC4 Create a new diagram definition file

Actors	DiagramEditorCreator

Use case UC5 Create a new shape definition

Actors	DiagramEditorCreator

Use case UC6 Create a new style definition

Actors	DiagramEditorCreator

Use case UC7 Create a new gradient definition

Actors	DiagramEditorCreator

Use case UC8 Create a new diagram definition

Post conditions	Diagram editor model defined		
Actors	DiagramEditorCreator		
Entities	Diagram		
Basic flow	1	Map domain model root to diagram *Entities:* Diagram	
	2	Map domain model elements to nodes *Entities:* MetaClass	
	End of flow with post condition: Diagram editor model defined		

Use Case UC8 – Basic Flow

1:Map domain model root to diagram

2:Map domain model elements to nodes

Diagram editor model defined
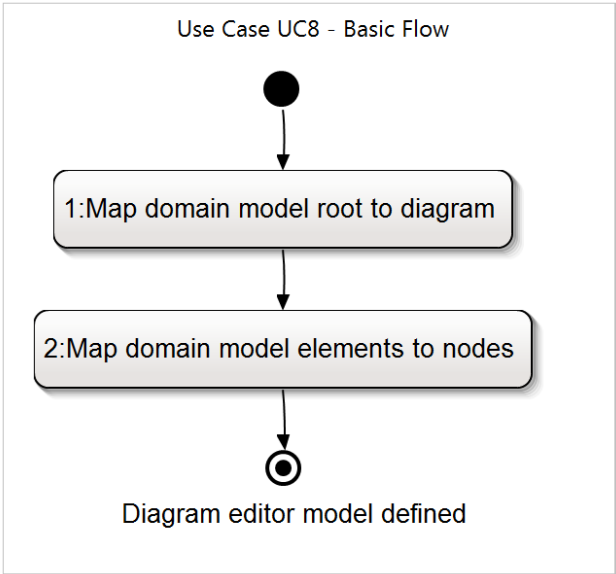
Package org.eclipselabs.spray.requirements.domain

Use cases and actors overview
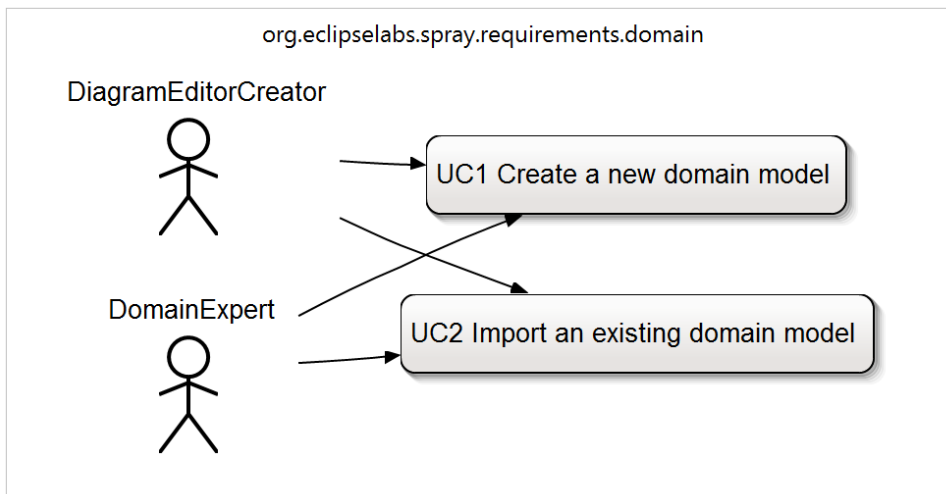
Use case UC1 Create a new domain model

Actors	DomainExpert, DiagramEditorCreator

Use case UC2 Import an existing domain model

Actors	DomainExpert, DiagramEditorCreator

User Interface Application SprayDiagramEditor – Spray Diagram Editor

Describing domain specific visual editors

Page Workbench The initial Spray IDE workbench window

Widgets	Button `newWizard` File -> New ...

Screens	emptyWorkbench
	projectWizardComplete
	(*) marks the default screen
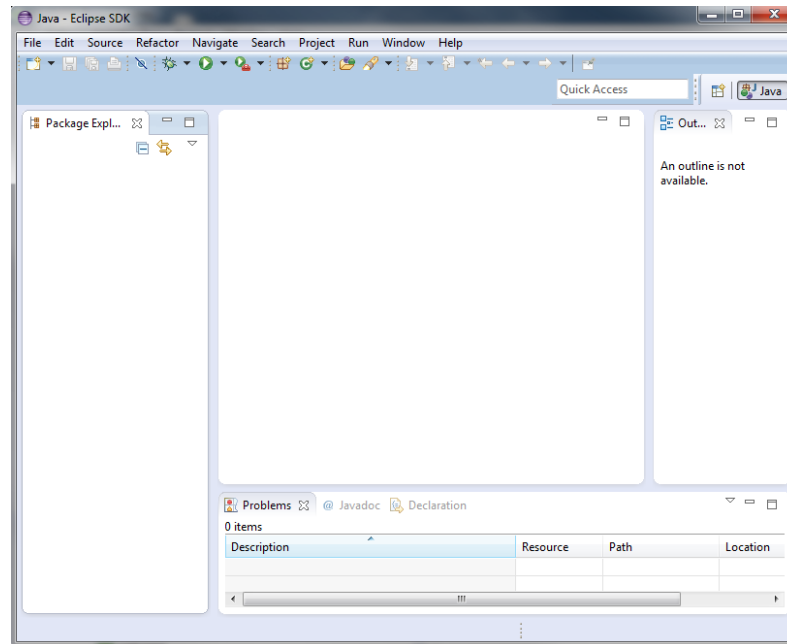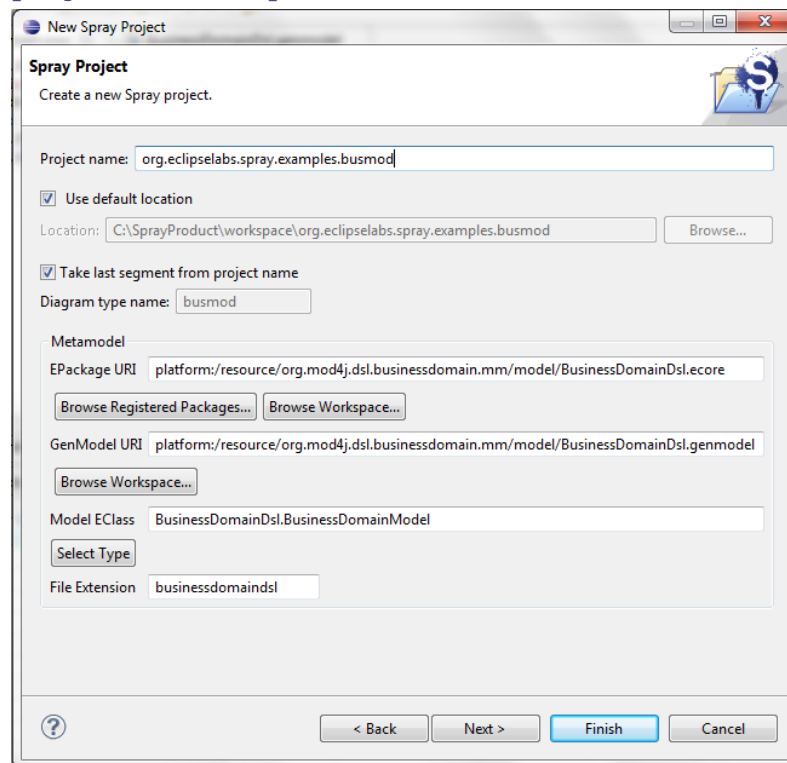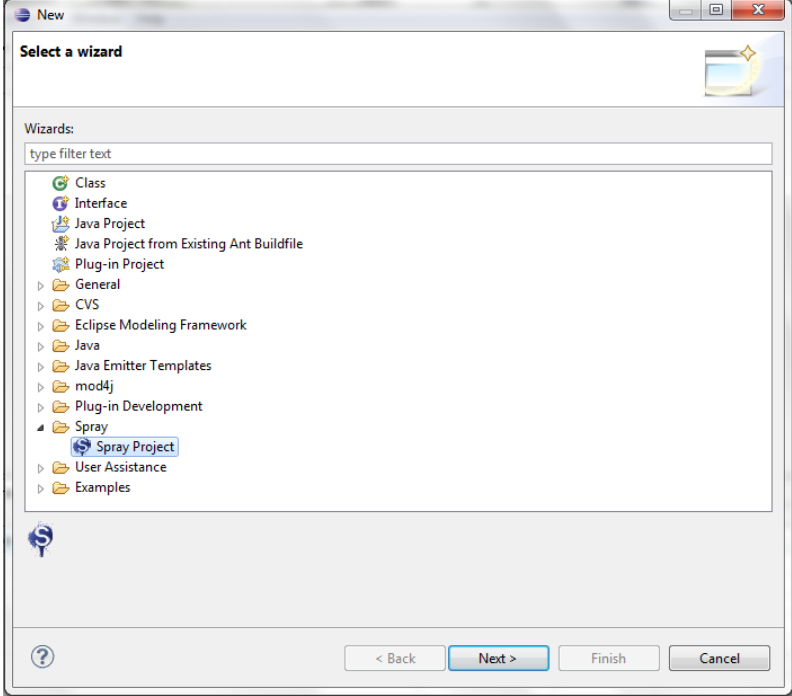
Dialog newWizardDialog Select a wizard

Description	*Common dialog to select a project wizard*

Screens	projectWizardSelection
Widgets	Label `SprayProject` Spray -> Spray Project
Options	`Cancel` Cancel `Next` Next

UI-Application Flow Spray

Package org.eclipselabs.spray.requirements.entities.spray

Entities overview
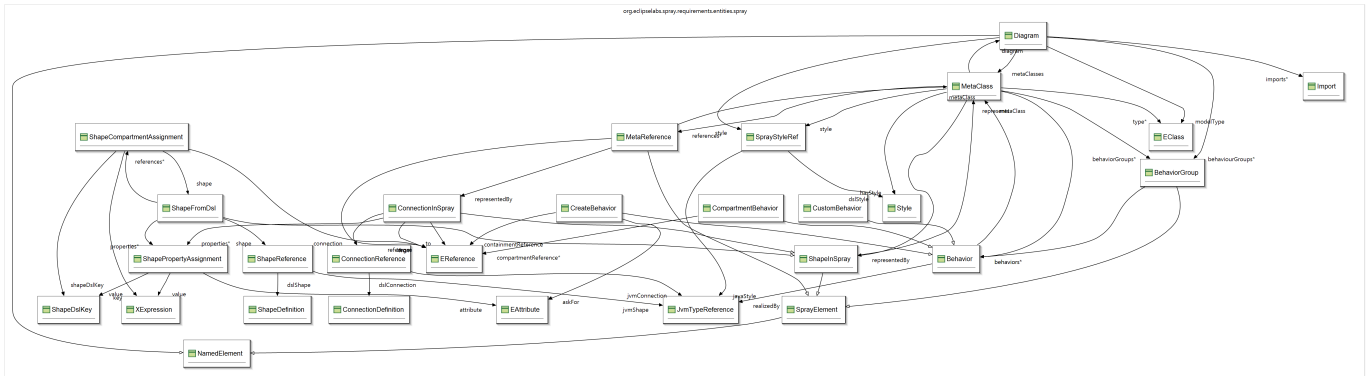
Entity Diagram

Supertype	NamedElement			

Attributes	Description	Type	Multipl.
imports		Import	*
modelType		EClass	1
behaviourGroups		BehaviorGroup	*
metaClasses		MetaClass	1
style		SprayStyleRef	1

Entity ShapeInSpray

Supertype	SprayElement			

Attributes	Description	Type	Multipl.
alias		String	1
represents		MetaClass	1

Entity SprayElement

Supertype	NamedElement			

Attributes	Description	Type	Multipl.

Entity ConnectionInSpray

Supertype	ShapeInSpray		

Attributes	Description	Type	Multipl.
from		EReference	1
to		EReference	1
connection		ConnectionReference	1
properties		ShapePropertyAssignment	*

Entity MetaClass

Attributes	Description	Type	Multipl.
alias		String	1
representedBy		ShapeInSpray	1
diagram		Diagram	1
references		MetaReference	*
icon		String	1
behaviors		Behavior	*
behaviorGroups		BehaviorGroup	*
type		EClass	*
hasStyle		Style	1
style		SprayStyleRef	1

Entity MetaReference

Supertype	SprayElement		

Attributes	Description	Type	Multipl.
representedBy		ConnectionInSpray	1
metaClass		MetaClass	1
target		EReference	1

Entity Behavior

Attributes	Description	Type	Multipl.
name		String	1
metaClass		MetaClass	1
label		String	1
paletteCompartment		String	1
realizedBy		JvmTypeReference	1

Entity CreateBehavior

Supertype	Behavior

Attributes	Description	Type	Multipl.
containmentReference		EReference	1
askFor		EAttribute	1

Entity CustomBehavior

Supertype	Behavior		
Attributes	**Description**	**Type**	**Multipl.**

Entity BehaviorGroup

Supertype	SprayElement		
Attributes	**Description**	**Type**	**Multipl.**
behaviors		Behavior	*

Entity Import

Attributes	**Description**	**Type**	**Multipl.**
importedNamespace		String	*

Entity NamedElement

Attributes	**Description**	**Type**	**Multipl.**
name		String	1

Entity ShapeFromDsl

Supertype	ShapeInSpray		
Attributes	**Description**	**Type**	**Multipl.**
properties		ShapePropertyAssignment	*
references		ShapeCompartmentAssignment	*
shape		ShapeReference	1

Entity ShapePropertyAssignment

Attributes	**Description**	**Type**	**Multipl.**
key		ShapeDslKey	1
value		XExpression	1
attribute		EAttribute	1

Entity SprayStyleRef

Attributes	Description	Type	Multipl.
javaStyle		JvmTypeReference	1
dslStyle		Style	1

Entity CompartmentBehavior

Supertype	Behavior		
Attributes	**Description**	**Type**	**Multipl.**
compartmentReference		EReference	*

Entity ShapeCompartmentAssignment

Attributes	Description	Type	Multipl.
value		XExpression	1
reference		EReference	1

Attributes	Description	Type	Multipl.
shape		ShapeFromDsl	1
shapeDslKey		ShapeDslKey	1

Entity ShapeReference

Attributes	Description	Type	Multipl.
dslShape		ShapeDefinition	1
jvmShape		JvmTypeReference	1

Entity ConnectionReference

Attributes	Description	Type	Multipl.
jvmConnection		JvmTypeReference	1
dslConnection		ConnectionDefinition	1

Entity ShapeDslKey

Attributes	Description	Type	Multipl.
jvmKey		JvmEnumerationLiteral	1
dslKey		String	1

Package org.eclipselabs.spray.requirements.entities.shapes

Entities overview
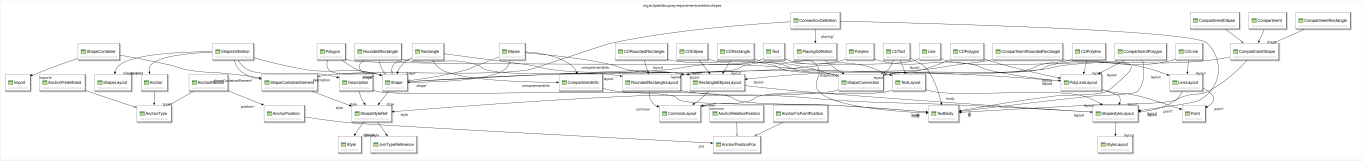
Entity ShapeContainer

Attributes	Description	Type	Multipl.
imports		Import	*
shapeContainerElement		ShapeContainerElement	*

Entity Import

Attributes	Description	Type	Multipl.
importedNamespace		String	1

Entity ShapeContainerElement

Attributes	Description	Type	Multipl.
name		String	1
style		ShapeStyleRef	1

Entity ConnectionDefinition

Supertype	ShapeContainerElement		
Attributes	**Description**	**Type**	**Multipl.**
connectionStyle		ConnectionStyle	1
layout		ShapestyleLayout	1
placing		PlacingDefinition	*

Entity ShapeDefinition

Supertype	ShapeContainerElement		

Attributes	Description	Type	Multipl.
shapeLayout		ShapeLayout	1
shape		Shape	*
description		Description	1
anchor		Anchor	1

Entity PlacingDefinition

Attributes	Description	Type	Multipl.
offset		double	1
distance		int	1
angle		int	1

Attributes	Description	Type	Multipl.
shapeCon		ShapeConnection	1

Entity Anchor

Attributes	Description	Type	Multipl.
type		AnchorType	1

Entity AnchorType

Attributes	Description	Type	Multipl.

Entity AnchorPredefinied

Supertype	AnchorType		

Attributes	Description	Type	Multipl.
value		AnchorPredefiniedEnum	1

Entity AnchorManual

Supertype	AnchorType		

Attributes	Description	Type	Multipl.
position		AnchorPosition	*

Entity AnchorPosition

Attributes	Description	Type	Multipl.
pos		AnchorPositionPos	1

Entity AnchorPositionPos

Attributes	Description	Type	Multipl.

Entity AnchorRelativePosition

Supertype	AnchorPositionPos		
Attributes	**Description**	**Type**	**Multipl.**
xoffset		double	1
yoffset		double	1

Entity AnchorFixPointPosition

Supertype	AnchorPositionPos		
Attributes	**Description**	**Type**	**Multipl.**
xcor		int	1
ycor		int	1

Entity Shape

Attributes	**Description**	**Type**	**Multipl.**
style		ShapeStyleRef	1

Entity ShapeConnection

Attributes	Description	Type	Multipl.
style		ShapeStyleRef	1

Entity CDLine

Supertype	ShapeConnection		
Attributes	**Description**	**Type**	**Multipl.**
layout		LineLayout	1

Entity CDPolyline

Supertype	ShapeConnection		
Attributes	**Description**	**Type**	**Multipl.**
layout		PolyLineLayout	1

Entity CDRectangle

Supertype	ShapeConnection		
Attributes	**Description**	**Type**	**Multipl.**
layout		RectangleEllipseLayout	1

Entity CDRoundedRectangle

Supertype	ShapeConnection		
Attributes	**Description**	**Type**	**Multipl.**
layout		RoundedRectangleLayout	1

Entity CDPolygon

Supertype	ShapeConnection		

Attributes	Description	Type	Multipl.
layout		PolyLineLayout	1

Entity CDEllipse

Supertype	ShapeConnection		

Attributes	Description	Type	Multipl.
layout		RectangleEllipseLayout	1

Entity CDText

Supertype	ShapeConnection		

Attributes	Description	Type	Multipl.
texttype		TextType	1
layout		TextLayout	1
body		TextBody	1

Entity Line

Supertype	Shape		

Attributes	Description	Type	Multipl.
layout		LineLayout	1

Entity Polyline

Supertype	Shape		

Attributes	Description	Type	Multipl.
layout		PolyLineLayout	1

Entity Rectangle

Supertype	Shape		

Attributes	Description	Type	Multipl.
compartmentInfo		CompartmentInfo	1
layout		RectangleEllipseLayout	1
shape		Shape	*

Entity RoundedRectangle

Supertype	Shape		

Attributes	Description	Type	Multipl.
layout		RoundedRectangleLayout	1
shape		Shape	*

Entity Polygon

Supertype	Shape		

Attributes	Description	Type	Multipl.
layout		PolyLineLayout	1
shape		Shape	*

Entity Ellipse

Supertype	Shape		
Attributes	**Description**	**Type**	**Multipl.**
compartmentInfo		CompartmentInfo	1
layout		RectangleEllipseLayout	1
shape		Shape	*

Entity Text

Supertype	Shape

Attributes	Description	Type	Multipl.
texttype		TextType	1
layout		TextLayout	1
body		TextBody	1

Entity CompartmentInfo

Attributes	Description	Type	Multipl.
compartmentLayout		CompartmentLayout	1
stretchH		boolean	1
stretchV		boolean	1
spacing		int	1
margin		int	1
invisible		boolean	1
id		TextBody	1

Entity Compartment

Attributes	Description	Type	Multipl.
compartmentLayout		CompartmentLayout	1
shape		CompartmentShape	1

Entity CompartmentShape

Attributes	Description	Type	Multipl.
layout		RectangleEllipseLayout	1
id		TextBody	1

Entity CompartmentRectangle

Supertype	CompartmentShape		
Attributes	**Description**	**Type**	**Multipl.**

Entity CompartmentRoundedRectangle

Attributes	Description	Type	Multipl.
layout		RoundedRectangleLayout	1
id		TextBody	1

Entity CompartmentPolygon

Attributes	Description	Type	Multipl.
layout		PolyLineLayout	1
id		TextBody	1

Entity CompartmentEllipse

Supertype	CompartmentShape		
Attributes	**Description**	**Type**	**Multipl.**

Entity Description

Attributes	Description	Type	Multipl.
style		ShapeStyleRef	1
hAlign		HAlign	1
vAlign		VAlign	1
body		TextBody	1

Entity ShapeLayout

Attributes	Description	Type	Multipl.
minwidth		int	1
minheight		int	1
maxwidth		int	1
maxheight		int	1
stretchH		boolean	1
stretchV		boolean	1
proportional		boolean	1

Entity RectangleEllipseLayout

Attributes	Description	Type	Multipl.
common		CommonLayout	1
layout		ShapestyleLayout	1

Entity LineLayout

Attributes	Description	Type	Multipl.
point		Point	*
layout		ShapestyleLayout	1

Entity PolyLineLayout

Attributes	Description	Type	Multipl.
point		Point	*
layout		ShapestyleLayout	1

Entity RoundedRectangleLayout

Attributes	Description	Type	Multipl.
common		CommonLayout	1

Attributes	Description	Type	Multipl.
curveWidth		int	1
curveHeight		int	1
layout		ShapestyleLayout	1

Entity TextLayout

Attributes	Description	Type	Multipl.
common		CommonLayout	1
hAlign		HAlign	1
vAlign		VAlign	1
layout		ShapestyleLayout	1

Entity ShapestyleLayout

Attributes	Description	Type	Multipl.
layout		StyleLayout	1

Entity ShapeStyleRef

Attributes	Description	Type	Multipl.
javaStyle		JvmTypeReference	1
dslStyle		Style	1

Entity CommonLayout

Attributes	Description	Type	Multipl.
xcor		int	1
ycor		int	1
width		int	1
heigth		int	1

Entity TextBody

Attributes	Description	Type	Multipl.
value		String	1

Entity Point

Attributes	Description	Type	Multipl.
xcor		int	1
ycor		int	1
curveBefore		int	1
curveAfter		int	1

Package org.eclipselabs.spray.requirements.entities.styles

Entities overview
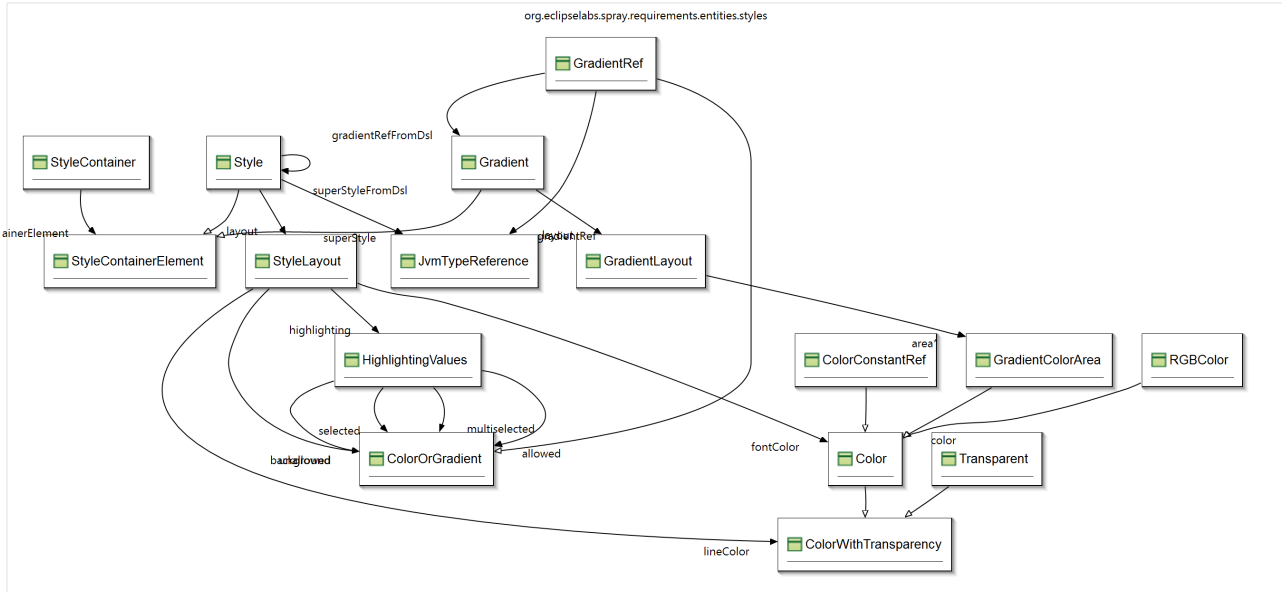
Entity StyleContainer

Attributes	Description	Type	Multipl.
styleContainerE lement		StyleContainerE lement	1

Entity StyleContainerElement

Attributes	Description	Type	Multipl.
name		String	1
description		String	1

Entity Style

Supertype	StyleContainerElement		

Attributes	Description	Type	Multipl.
superStyle		JvmTypeReference	1
superStyleFromD sl		Style	1
layout		StyleLayout	1

Entity Gradient

Supertype	StyleContainerElement		

Attributes	Description	Type	Multipl.
layout		GradientLayout	1

Entity StyleLayout

Attributes	Description	Type	Multipl.
transparency		double	1
background		ColorOrGradient	1

Attributes	Description	Type	Multipl.
gradient_orientation		GradientAllignment	1
highlighting		HighlightingValues	1
lineColor		ColorWithTransparency	1
lineWidth		int	1
lineStyle		LineStyle	1
fontName		String	1
fontColor		Color	1
fontSize		int	1
fontItalic		YesNoBool	1
fontBold		YesNoBool	1

Entity GradientLayout

Attributes	Description	Type	Multipl.
area		GradientColorArea	*

Entity HighlightingValues

Attributes	Description	Type	Multipl.
selected		ColorOrGradient	1
multiselected		ColorOrGradient	1
allowed		ColorOrGradient	1
unallowed		ColorOrGradient	1

Entity GradientColorArea

Attributes	Description	Type	Multipl.
color		Color	1
offset		double	1

Entity ColorOrGradient

Attributes	Description	Type	Multipl.

Entity ColorWithTransparency

Attributes	Description	Type	Multipl.

Entity Color

Supertype	ColorWithTransparency		
Attributes	Description	Type	Multipl.

Entity RGBColor

Supertype	Color

Attributes	Description	Type	Multipl.
red		int	1
green		int	1
blue		int	1

Entity GradientRef

Supertype	ColorOrGradient		

Attributes	Description	Type	Multipl.
gradientRef		JvmTypeReference	1
gradientRefFromDsl		Gradient	1

Entity ColorConstantRef

Supertype	Color		

Attributes	Description	Type	Multipl.
value		ColorConstants	1

Entity Transparent

Supertype	ColorWithTransparency		

Attributes	Description	Type	Multipl.
transparent		boolean	1

Package org.eclipselabs.spray.requirements.entities.mod4j

Entities overview
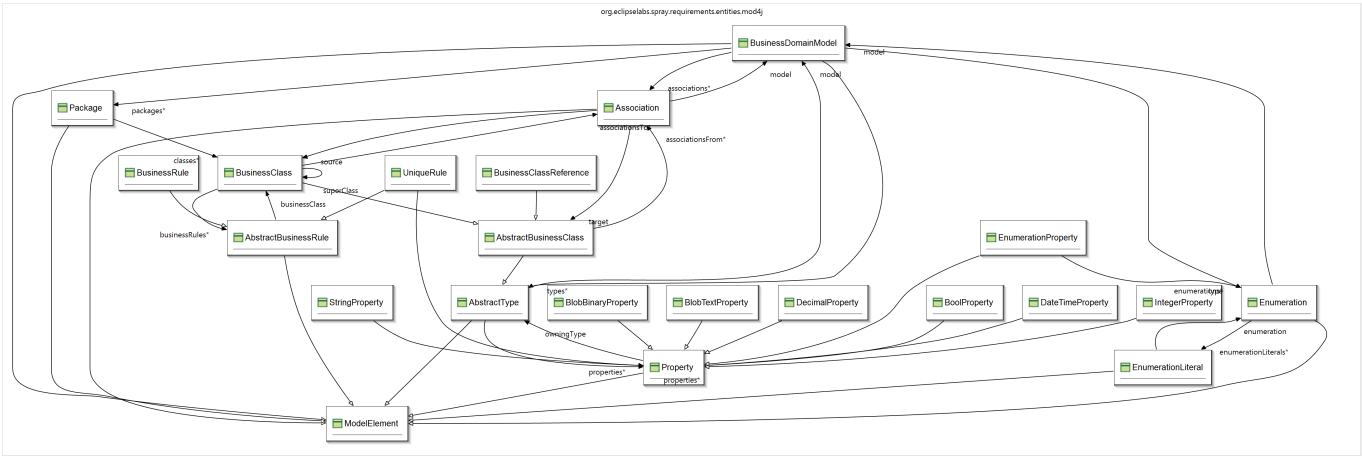
Entity ModelElement

Attributes	Description	Type	Multipl.
name		String	1
description		String	1

Entity BusinessDomainModel

Supertype	ModelElement		

Attributes	Description	Type	Multipl.
enumerations		Enumeration	*
types		AbstractType	*
associations		Association	*
packages		Package	*

Entity BusinessClass

Supertype	AbstractBusinessClass		

Attributes	Description	Type	Multipl.
businessRules		AbstractBusinessRule	*
superClass		BusinessClass	1

Attributes	Description	Type	Multipl.
associationsTo		Association	*

Entity Property

Supertype	ModelElement		
Attributes	**Description**	**Type**	**Multipl.**
dataType		String	1
nullable		boolean	1
derived		boolean	1

Attributes	Description	Type	Multipl.
writable		boolean	1
persistency		PersistencyMode	1
hasDefault		boolean	1
owningType		AbstractType	1

Entity Enumeration

Supertype	ModelElement		
Attributes	**Description**	**Type**	**Multipl.**
enumerationLiterals		EnumerationLiteral	*
model		BusinessDomainModel	1

Entity EnumerationLiteral

Supertype	ModelElement		
Attributes	**Description**	**Type**	**Multipl.**
persistedValue		int	1
enumeration		Enumeration	1

Entity AbstractBusinessRule

Supertype	ModelElement		
Attributes	**Description**	**Type**	**Multipl.**
businessClass		BusinessClass	1

Entity BoolProperty

Supertype	Property		
Attributes	**Description**	**Type**	**Multipl.**
defaultValue		boolean	1

Entity DateTimeProperty

Supertype	[Property]()		
Attributes	**Description**	**Type**	**Multipl.**
accuracy		DateTimeAccuracy	1
defaultValue		String	1

Entity EnumerationProperty

Supertype	[Property]()		
Attributes	**Description**	**Type**	**Multipl.**
type		[Enumeration]()	1
defaultValueAsString		String	1

Entity IntegerProperty

Supertype	Property		
Attributes	**Description**	**Type**	**Multipl.**
minValue		int	1
maxValue		int	1
defaultValue		int	1

Entity StringProperty

Supertype	Property		
Attributes	**Description**	**Type**	**Multipl.**
regularExpression		String	1
minLength		int	1
maxLength		int	1
defaultValue		String	1

Entity AbstractType

Supertype	ModelElement		
Attributes	**Description**	**Type**	**Multipl.**
properties		Property	*
model		BusinessDomainModel	1

Entity BlobBinaryProperty

Supertype	Property		
Attributes	**Description**	**Type**	**Multipl.**

Entity BlobTextProperty

Supertype	Property		
Attributes	**Description**	**Type**	**Multipl.**

Entity Association

Supertype	ModelElement		

Attributes	Description	Type	Multipl.
source		BusinessClass	1
target		AbstractBusinessClass	1
sourceRoleName		String	1
sourceMultiplicity		Multiplicity	1
targetRoleName		String	1
targetMultiplicity		Multiplicity	1

Attributes	Description	Type	Multipl.
composite		boolean	1
bidirectional		boolean	1
ordered		boolean	1
model		BusinessDomainModel	1

Entity DecimalProperty

Supertype	Property		

Attributes	Description	Type	Multipl.
minValue		float	1
maxValue		float	1
minInclusive		boolean	1
maxInclusive		boolean	1
defaultValue		float	1

Entity AbstractBusinessClass

Supertype	AbstractType		

Attributes	Description	Type	Multipl.
associationsFrom		Association	*

Entity BusinessClassReference

Supertype	AbstractBusinessClass		

Attributes	Description	Type	Multipl.
referredModel		String	1

Entity UniqueRule

Supertype	AbstractBusinessRule		

Attributes	Description	Type	Multipl.
properties		Property	*

Entity BusinessRule

Supertype	AbstractBusinessRule		
Attributes	**Description**	**Type**	**Multipl.**

Entity Package

Supertype	ModelElement		
Attributes	**Description**	**Type**	**Multipl.**
classes		BusinessClass	*

Package org.eclipselabs.spray.requirements.examples.mod4j

Use cases and actors overview

org.eclipselabs.spray.requirements.examples.mod4j

User Interface Application mod4j – mod4j business model

Package org.eclipselabs.spray.requirements.examples.bpmn20

Use cases and actors overview
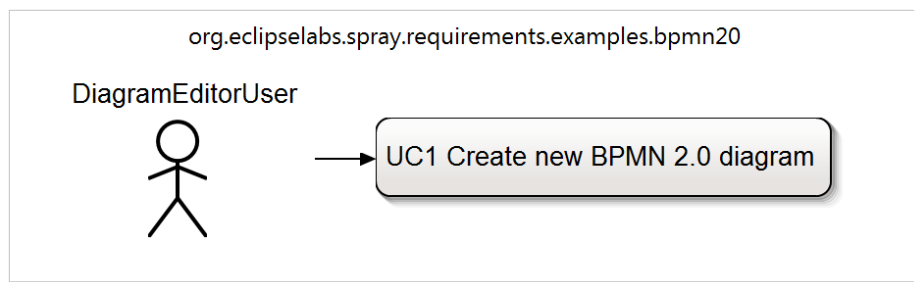
Use case UC1 Create new BPMN 2.0 diagram

Actors	DiagramEditorUser

Package org.eclipselabs.spray.requirements.entities.bpmn20

Entities overview

Entity BPMNModelElement

Attributes	Description	Type	Multipl.
name		String	1
description		String	1
modelElements		BPMNModelElement	*

Entity BPMNEventStartDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEndDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEndUsed

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMail

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMailDash

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.

Entity BPMNEventMailDouble

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.

Entity BPMNEventMailDoubleDash

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.

Entity BPMNEventMailInvertDouble

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.

Entity BPMNEventMailInvertBold

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.

Entity BPMNEventTimerDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventTimerDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventTimerDouble

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventTimerDoubleDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEskalationStart

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEskalationDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEskalationDouble

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEskalationDoubelDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEskalationDoubelInvert

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventEskalationBoldInvert

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventIfDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventlfDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventlfDouble

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventlfDoubleDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventLinkEntered

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventLinkTriggerd

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventErrorDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventErrorDouble

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventErrorBoldInvert

Supertype	[BPMNModelElement]()		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventCancelDouble

Supertype	[BPMNModelElement]()		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventCancelBoldInvert

Supertype	[BPMNModelElement]()		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventCompensationDefault

Supertype	[BPMNModelElement]()		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventCompensationDouble

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventCompensationDoubleInvert

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventCompensationBoldInvert

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventSignalDefault

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventSignalDash

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventSignalDouble

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventSignalDoubleDash

Supertype	BPMNModelElement		
Attributes	Description	Type	Multipl.

Entity BPMNEventSignalDoubleInvert

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventSignalBoldInvert

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMultiDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMultiDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMultiDouble

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMultiDoubleDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMultiDoubleInvert

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventMultiBoldInvert

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventParallelDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventParallelDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventParallelDouble

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventParallelDoubleDash

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNEventTermination

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNActivityTask

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNActivityTransaction

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNActivityEventSubProcess

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNActivityCallActivity

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNGatewayXOR1

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNGatewayXOR2

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNGatewayEvent

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNGatewayAnd

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNGatewayOR

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl .**

Entity BPMNGatewayComplex

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNGatewayXEvent

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNGatewayAndEvent

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNConversationDefault

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNConversationBold

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNOneData

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNListData

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNDataStorage

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity BPMNSequenceFlow

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**
fromElement		BPMNModelElement	1
toElement		BPMNModelElement	1

Entity BPMNDefaultFlow

Supertype	BPMNModelElement		
Attributes	**Description**	**Type**	**Multipl.**
fromElement		BPMNModelElement	1

Attributes	Description	Type	Multipl.
`toElement`		BPMNModelElement	1

Entity BPMNConditionalFlow

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.
`fromElement`		BPMNModelElement	1
`toElement`		BPMNModelElement	1

Entity BPMNDataAssoziation

Supertype	BPMNModelElement		

Attributes	Description	Type	Multipl.
`fromElement`		BPMNModelElement	1
`toElement`		BPMNModelElement	1

User Interface Application bpmn20 – BPMN 2.0: Receipt process

Page receiptDiagram

Screens	
	`receiptDiagramEditor`

Package org.eclipselabs.spray.requirements.examples.lwc2012

Use cases and actors overview

org.eclipselabs.spray.requirements.examples.lwc2012

Package org.eclipselabs.spray.requirements.entities.lwc2012

Entities overview
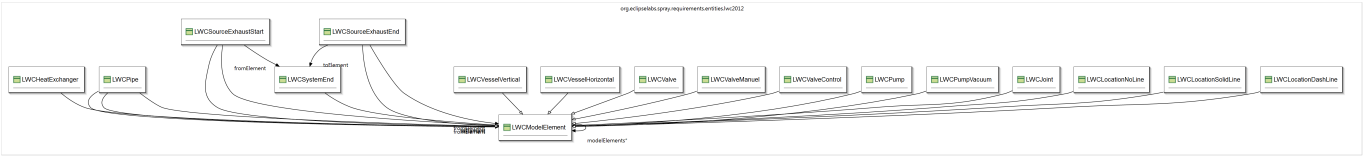
Entity LWCModelElement

Attributes	Description	Type	Multipl.
name		String	1
description		String	1
modelElements		LWCModelElement	*

Entity LWCHeatExchanger

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity LWCPipe

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**
fromElement		LWCModelElement	1
toElement		LWCModelElement	1

Entity LWCSourceExhaustStart

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**
fromElement		LWCSystemEnd	1
toElement		LWCModelElement	1

Entity LWCVesselVertical

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity LWCVesselHorizontal

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity LWCValve

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity LWCValveManuel

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.

Entity LWCValveControl

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.

Entity LWCPump

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.

Entity LWCPumpVacuum

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.

Entity LWCSystemEnd

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.

Entity LWCJoint

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.

Entity LWCLocationNoLine

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.
value		String	1

Entity LWCLocationSolidLine

Supertype	LWCModelElement		

Attributes	Description	Type	Multipl.
value		String	1

Entity LWCLocationDashLine

Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**
value		String	1

Entity LWCSourceExhaustEnd
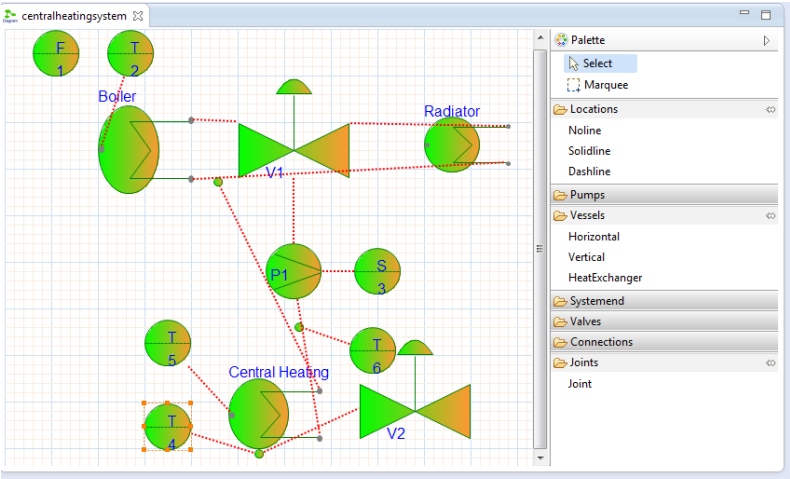
Supertype	LWCModelElement		
Attributes	**Description**	**Type**	**Multipl.**
fromElement		LWCModelElement	1
toElement		LWCSystemEnd	1

User Interface Application Iwc2012 – Heat exchanger

Page heatExchangerDiagram

Screens	
	`heatExchangerDiagramEditor`

Package org.eclipselabs.spray.requirements.examples.petrinet

Use cases and actors overview

org.eclipselabs.spray.requirements.examples.petrinet

Package org.eclipselabs.spray.requirements.entities.petrinet

Entities overview
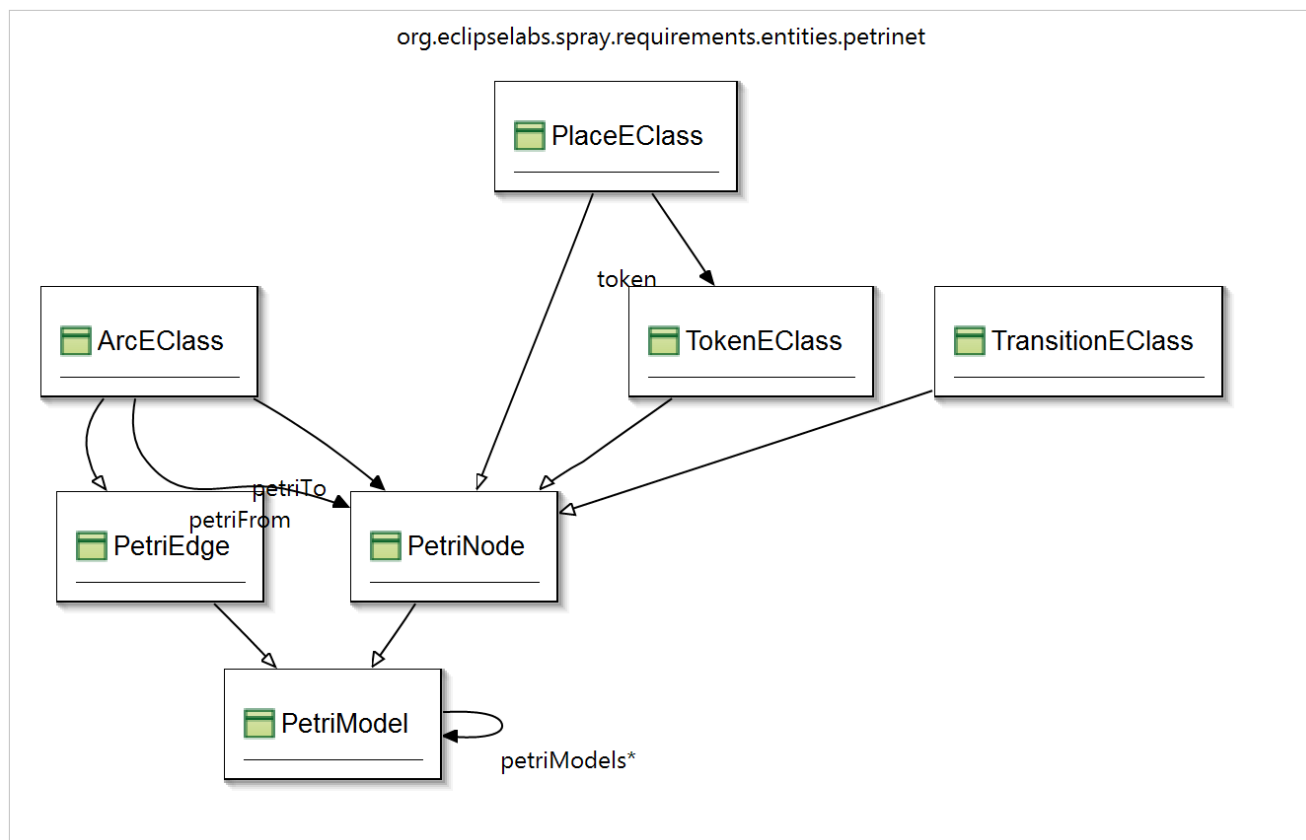
Entity PetriNode

Supertype	PetriModel		
Attributes	**Description**	**Type**	**Multipl.**

Entity PlaceEClass

Supertype	PetriNode		
Attributes	**Description**	**Type**	**Multipl.**
token		TokenEClass	1

Entity TokenEClass

Supertype	PetriNode		
Attributes	**Description**	**Type**	**Multipl.**

Entity TransitionEClass

Supertype	PetriNode		
Attributes	**Description**	**Type**	**Multipl.**

Entity ArcEClass

Supertype	PetriEdge

Attributes	Description	Type	Multipl.
petriFrom		PetriNode	1
petriTo		PetriNode	1

Entity PetriModel

Attributes	Description	Type	Multipl.
name		String	1
description		String	1
petriModels		PetriModel	*

Entity PetriEdge

Supertype	PetriModel

Attributes	Description	Type	Multipl.

User Interface Application petrinet – Elevator

Page elevatorDiagram

Screens	elevatorDiagramEditor

Package org.eclipselabs.spray.requirements.examples.statemachine

Use cases and actors overview

org.eclipselabs.spray.requirements.examples.statemachine

Package org.eclipselabs.spray.requirements.entities.statemachine

Entities overview
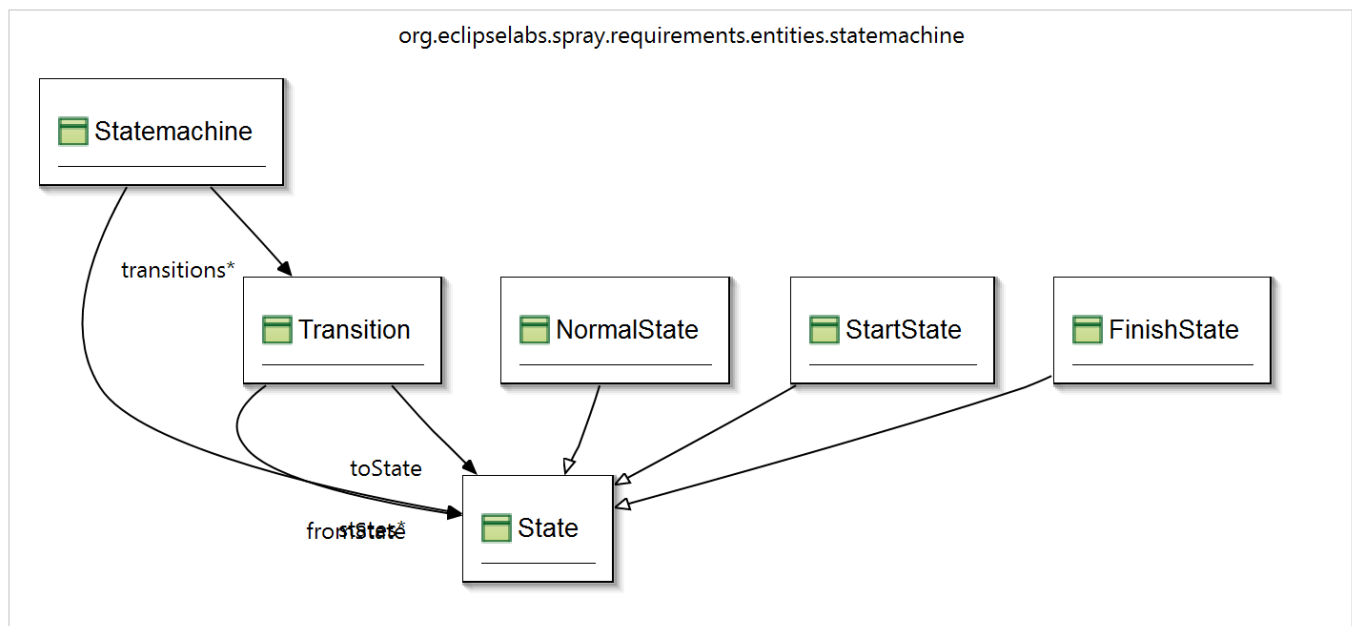
Entity Statemachine

Attributes	Description	Type	Multipl.
states		State	*
transitions		Transition	*

Entity State

Attributes	Description	Type	Multipl.
name		String	1

Entity NormalState

Supertype	State		
Attributes	**Description**	**Type**	**Multipl.**
check		boolean	1
description		String	1

Entity StartState

Supertype	State		
Attributes	**Description**	**Type**	**Multipl.**
precondition		String	1

Entity FinishState

Supertype	State		
Attributes	**Description**	**Type**	**Multipl.**
postcondition		String	1

Entity Transition

Attributes	Description	Type	Multipl.
name		String	1
fromState		State	1
toState		State	1
event		String	1

User Interface Application statemachine – Grandma's secret compartment

Page secretCompartmentDiagram

Screens	
	secretCompartmentDiagramEditor

Package
org.eclipselabs.spray.requirements.examples.nassishneiderman

Use cases and actors overview

org.eclipselabs.spray.requirements.examples.nassishneiderman

Package org.eclipselabs.spray.requirements.entities.nassishneiderman

Entities overview
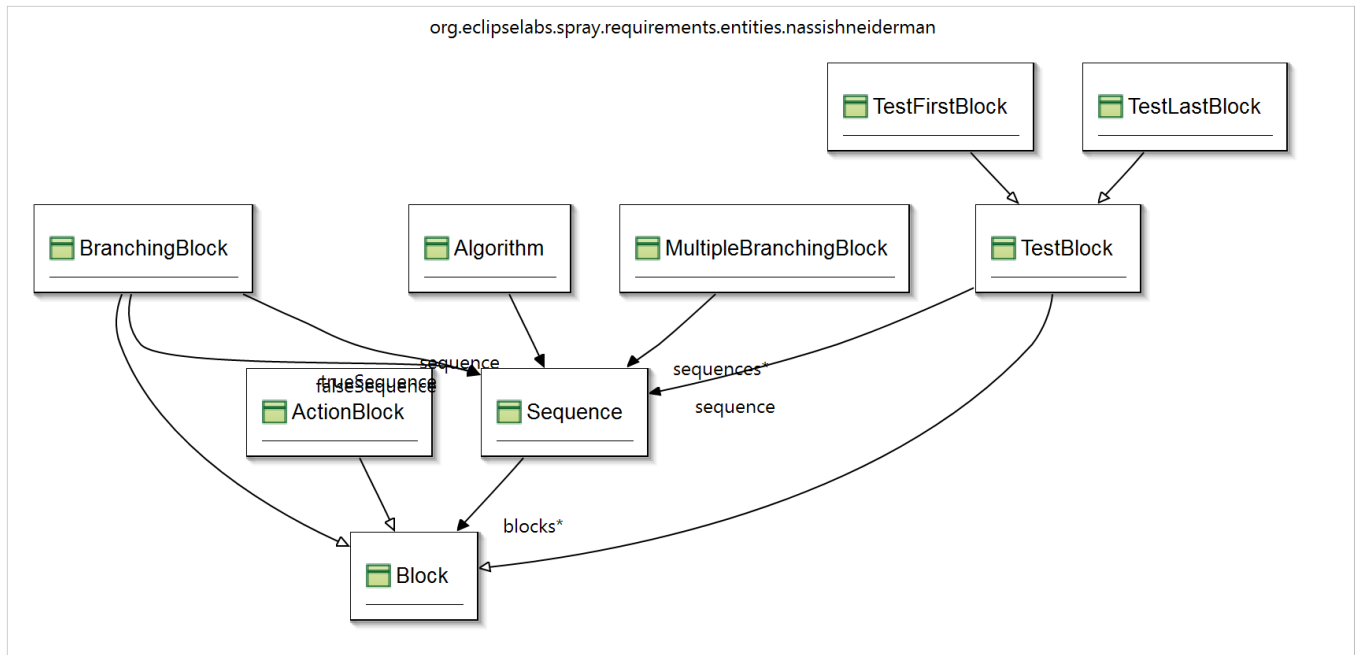
Entity Algorithm

Attributes	Description	Type	Multipl.
sequence		Sequence	1

Entity Sequence

Attributes	Description	Type	Multipl.
case		String	1
blocks		Block	*

Entity Block

Attributes	Description	Type	Multipl.

Entity ActionBlock

Supertype	Block

Attributes	Description	Type	Multipl.
actionName		String	1
actionDescription		String	1

Entity BranchingBlock

Supertype	Block		

Attributes	Description	Type	Multipl.
condition		String	1
trueSequence		Sequence	1
falseSequence		Sequence	1

Entity MultipleBranchingBlock

Attributes	Description	Type	Multipl.
sequences		Sequence	*

Entity TestBlock

Supertype	Block		

Attributes	Description	Type	Multipl.
condition		String	1
sequence		Sequence	1

Entity TestFirstBlock

Supertype	TestBlock		

Attributes	Description	Type	Multipl.

Entity TestLastBlock

Supertype	TestBlock		

Attributes	Description	Type	Multipl.

User Interface Application nassiShneiderman – Greatest common divisor

Page gcdDiagram

Screens	gcdDiagramEditor
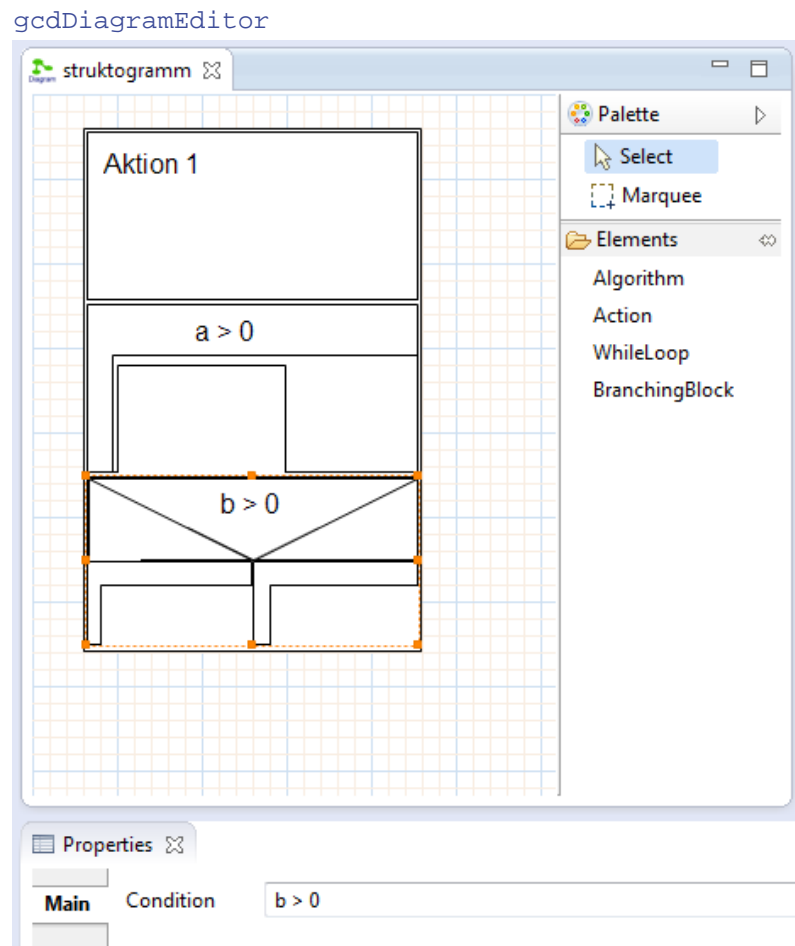
Package org.eclipselabs.spray.requirements.examples.forms

Use cases and actors overview

org.eclipselabs.spray.requirements.examples.forms

Package org.eclipselabs.spray.requirements.entities.forms

Entities overview
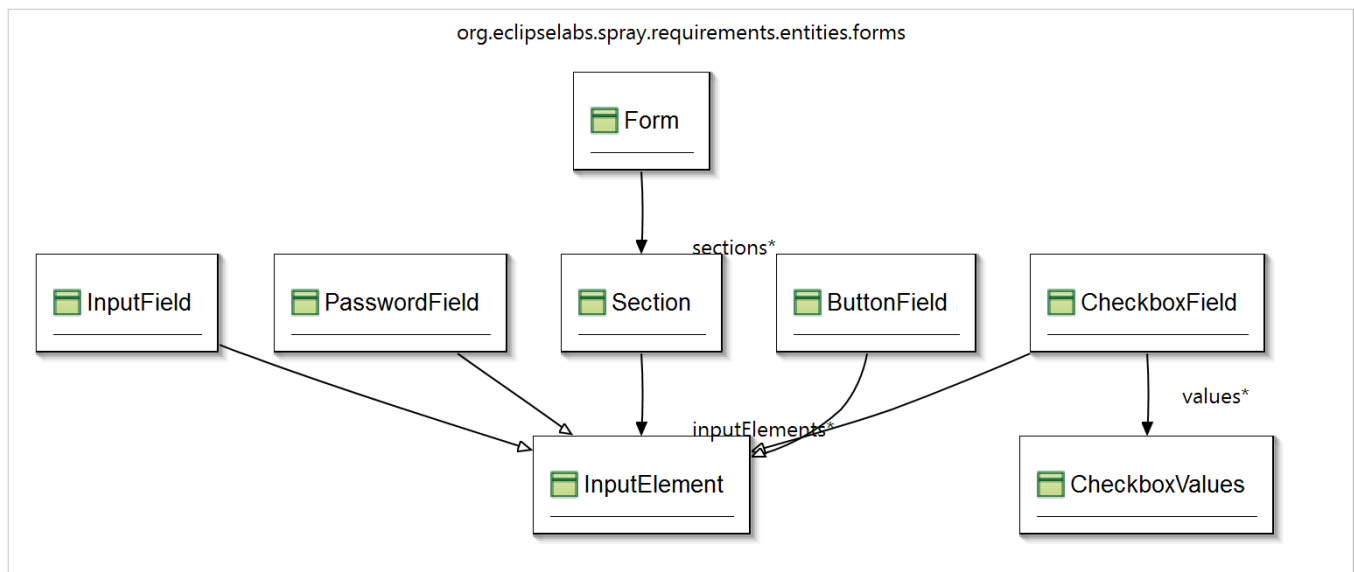
Entity Form

Attributes	Description	Type	Multipl.
sections		Section	*

Entity Section

Attributes	Description	Type	Multipl.
inputElements		InputElement	*

Entity InputElement

Attributes	Description	Type	Multipl.
text		String	1

Entity InputField

Supertype	InputElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity PasswordField

Supertype	InputElement		
Attributes	**Description**	**Type**	**Multipl.**

Entity CheckboxField

Supertype	InputElement		
Attributes	**Description**	**Type**	**Multipl.**
values		CheckboxValues	*

Entity CheckboxValues

Attributes	**Description**	**Type**	**Multipl.**
value		String	1

Entity ButtonField

Supertype	InputElement		
Attributes	**Description**	**Type**	**Multipl.**

User Interface Application forms – Forms

Package org.eclipselabs.spray.requirements.examples.featuremodeling

Use cases and actors overview

```
org.eclipselabs.spray.requirements.examples.featuremodeling
```

User Interface Application featureModeling – Minimal feature diagram

Page featureModelingDiagram

Screens	featureModelingDiagramEditor

Package org.eclipselabs.spray.requirements.entities.featuremodeling

Entities overview
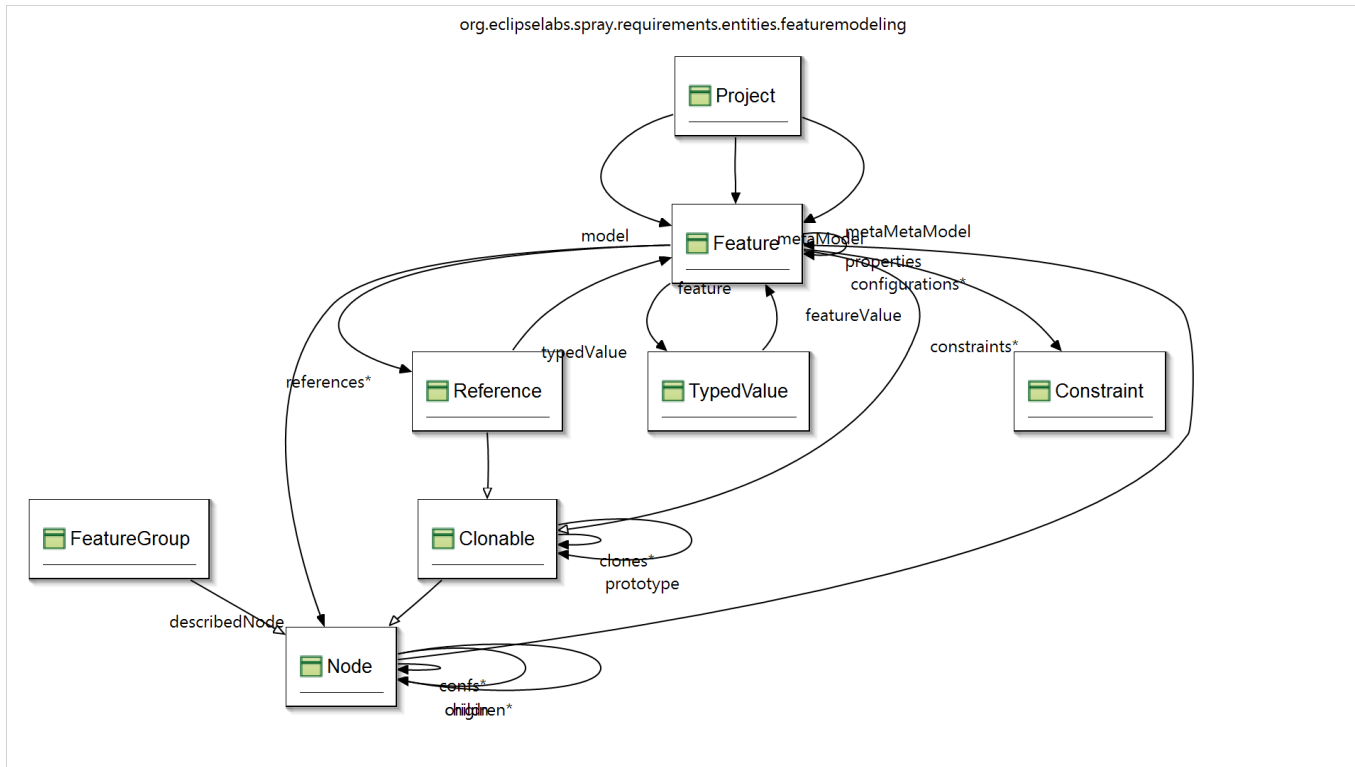
Entity Feature

Supertype	Clonable		

Attributes	Description	Type	Multipl.
name		String	1
valueType		ValueType	1
configurations		Feature	*
references		Reference	*
typedValue		TypedValue	1
describedNode		Node	1
constraints		Constraint	*

Entity FeatureGroup

Supertype	Node

Attributes	Description	Type	Multipl.

Entity Node

Attributes	Description	Type	Multipl.
max		int	1
min		int	1
confs		Node	*

Attributes	Description	Type	Multipl.
origin		Node	1
children		Node	*
properties		Feature	1
id		String	1

Entity Reference

Supertype	Clonable		

Attributes	Description	Type	Multipl.
feature		Feature	1

Entity Project

Attributes	Description	Type	Multipl.
model		Feature	1
metaModel		Feature	1
metaMetaModel		Feature	1

Entity TypedValue

Attributes	Description	Type	Multipl.
integerValue		int	1
stringValue		String	1
floatValue		float	1
featureValue		Feature	1

Entity Clonable

Supertype	Node		

Attributes	Description	Type	Multipl.
state		ConfigState	1
clones		Clonable	*

Attributes	Description	Type	Multipl.
prototype		Clonable	1

Entity Constraint

Attributes	Description	Type	Multipl.
text		String	1

Package org.eclipselabs.spray.requirements.issues

This package contains all requirements grabbed in the Spray Google Code issues: http://code.google.com/a/
eclipselabs.org/p/spray/issues/list

Requirements overview

Name	Type	Stakeholder	Status	Labels	Use cases
issue0001	Patch for /wiki/Spray_DSL_Ideas.wiki				
		Spray developer	done	Type: Patch	
issue0002	There is a path hard coded in JavaGenFile.java.				
		Spray developer	done	Component: Code generator Priority: Medium Type: Defect	
issue0003	Downgrade version to 0.1.0				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0004	Add feature projects				
		Spray developer	done	Component: Build Priority: Medium Type: Task	
issue0005	Add Maven POMs				
		Spray developer	done	Component: Build Priority: Medium Type: Task	
issue0006	Use real cross-references for rule MetaClass				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Spray DSL Type: Defect	
issue0007	Enable referencing of IColorConstant instances as color				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Styles DSL Type: Defect	
issue0008	Provide working SWTBot Tests for the example project				

Name	Type	Stakeholder	Status	Labels	
		Spray developer	done	Component: Test Examples Priority: Medium Type: Enhancement	
issue0009	Derive grammar from Xbase				
		Spray developer	done	Component: Language Priority: Medium Type: Defect	
issue0010	Include dependent artifacts into p2-repository				
		Spray developer	done	Component: Build Priority: Medium Type: Task	
issue0011	Execute Xtext generator in the build				
		Spray developer	done	Component: Build Priority: Medium Type: Task	
issue0012	Change the path handling so the Graphiti generator can be used inside an automated build				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0013	Xtend: use typeof() instead of instanceof in filter				
		Spray developer	done	Component: Code generator Priority: Medium Type: Defect	
issue0014	Use @Inject instead of new operator in Xtend				
		Spray developer	done	Component: Code generator Priority-Medium Type: Defect	
issue0015	Make generation of timestamps configurable in properties file				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Properties file Type: Enhancement	
issue0016	Trigger generator on changing the properties file				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Properties file Type: Enhancement	
issue0017	Integrate JDT Formatter				
	functional	Diagram editor creator	done	Priority: Medium Type: Enhancement	
issue0018	Task: Generate org.xspray.mm classes in the build process				
		Spray developer	done	Type: Task	
issue0019	Installation instructions				
	non-functional	Diagram editor creator	done	Component: Documentation Priority: Medium Type: Defect	
issue0020	Missing package in example from CI build				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0021	Provide Xspray new project wizard				
	functional	Diagram editor creator	done	Priority: Medium Spray project wizard Type: Enhancement	UC1
issue0022	The generation gap classes are placed in src-gen, should be placed in src				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0023	DSL and generator does not support defining figures containing images				
	functional		done	Priority: Medium Type: Enhancement	
	Comment Duplicate of issue0121				
issue0024	Provide Spray diagram wizard				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor user	done	Component: Code generator Priority: Low Spray project wizard Type: Enhancement	
issue0025	Could not build Xspray locally				
	functional	Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0026	MWE2 UI not installed in Spray SDK				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0027	Rename projects to prefix org.eclipselabs.spray				
		Spray developer	done	Component: Build Type: Task	
issue0028	Add feature/plugin properties				
		Spray developer	done	Component: Build Type: Task	
issue0029	Add content assist for Icons				
	functional	Diagram editor creator	done	Component: UI Priority: Medium Type: Enhancement Usability	
issue0030	Generated class names should start with capital letter				
		Spray developer	done	Component: Code generator Priority: Medium Type: Defect	
issue0031	Use ImportUtil to manage imports in templates				
		Spray developer	done	Component: Code generator Priority: Medium Type: Defect	
issue0032	Cannot open generated diagram editor				

	Name	Type	Stakeholder	Status	Labels	
			Diagram editor creator	done	Component: UI Priority: High Type: Defect	
	issue0033	Move complete generator logic to o.e.s.generator.graphiti				
			Spray developer	done	Component: Code generator Priority: Medium Type: Defect	
	issue0034	Allow user defined RGB color values				
		functional	Diagram editor creator	done	Component: Language Priority: Medium Styles DSL Type: Enhancement	
	issue0035	Remove dependencies to Graphiti plugins from DSL plugins				
		non-functional	Spray developer	ready	Plug-in structure Priority: Low Type: Task	
		Comment The o.e.s.xtext.ui plugin has dependencies to the Spray Graphiti plugins. This dependency must be removed. It has to be investigated if the extension point org.eclipse.xtext.ui.shared.overridingGuiceModule can be used to achieve this.				
	issue0036	Provide documentation plugin				
			Spray developer	done	Component: Documentation Type: Task	
	issue0037	Remove extension keyword				
		functional	Diagram editor creator	done	Component: Language Priority: Medium Type: Enhancement	
	issue0038	The referenced package 'http://www.eclipse.org/xtext/common/JavaVMTypes' was imported from a different location.				
			Spray developer	done	Component: Build Priority: Medium Type: Defect	
	issue0039	Use spray.target in the build				
			Spray developer	done	Component: Build Type: Task	

Name	Type	Stakeholder	Status	Labels	
issue0040	Error in code generation of CreateConnectionFeatures array in feature provider				
		Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0041	Upgrade to Tycho 0.13.0				
		Spray developer	done	Component: Build Type: Task	
issue0042	Compartments				
	functional	Diagram editor creator	done	Component: Code generator Component: Language Priority: Medium Shapes DSL Type: Enhancement	
issue0043	Compilation errors in wizard-generated project				
		Diagram editor creator	done	Component: Code generator Priority: Medium Spray project wizard Type: Defect	
issue0044	Compilation errors in wizard-generated project: Couldn't resolve reference to JvmIdentifiableElement				
		Diagram editor creator	done	Component: Code generator Priority: Medium Spray project wizard Type: Defect	
issue0045	Allow usage of genmodel in workspace				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Type: Defect	
issue0046	Couldn't resolve reference to Module 'org.eclipselabs.spray.xtext.generator.SprayGenerator'.				
		Diagram editor creator	done	Component: Code generator Priority: Low Type: Defect	
issue0047	mod4j-busmod.properties projectPath not consistent usable in build and in Eclipse				

Name	Type	Stakeholder	Status	Labels	
		Spray developer	done	Component: Build Priority: Medium Properties file Type: Defect	
issue0048	Sign Jars				
	functional	Spray developer	open	Component: Build Priority: Medium Type: Defect	
	Comment The resulting Jars are unsigned. We have to sign them in the build. Question: Were to get a key from? We would need a valid certificate. We won't get the funding yet. --> Postponed				
issue0049	Upgrade to Xtext 2.1.0				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0050	Palette contains group XXX				
		Diagram editor user	done	Component: Code generator Palette Priority: Medium Type: Defect	
issue0051	Code is not generated for example project				
	functional	Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0052	Provide possibility to set the file extensions of the businessmodel				
	functional	Diagram editor user	done	Component: Code generator Priority: Medium Type: Enhancement	
issue0053	Import org.eclipse.xtext.ecore is missing in graphiti generator				
		Spray developer	done	Component: Build Priority: Critical Type: Defect	
issue0054	Automatic code generation does not work in runtime eclipse				

Name	Type	Stakeholder	Status	Labels	
		Diagram editor creator	done	Component: Code generator Priority: Critical Type: Defect	
issue0055	maven clean deletes org.eclipselabs.spray.xtext.jvmmodel.SprayJvmModelInferrer (java class)				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0056	Plugin providers injection as singleton				
	functional	Spray developer	done	Component: Code generator Priority: Medium Type: Defect	
issue0057	eContainer should be selectable for connection ends				
	functional	Diagram editor creator	open	Component: Code generator Component: Language Connection Priority: Medium Spray DSL Type: Enhancement	
	Comment The from and to attribute of a connection should accept eContainer. This allows modelling connections for which one of the ends is the semantic container. E.g UML Generalization. class Generalizaton : connection (width=1) [from eContainer; to general;] Currently eContainer is not available, since it is an eOperation property of EObject Class and not an eStructuralFeature.				
issue0058	A business element should be attachable to diagrams				
	functional	Diagram editor creator	done	Component: Code generator Component: Language Priority: Medium Type: Enhancement	
issue0059	Vertical resize of containers is ignored				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Code generator Priority: Low Type: Defect	
issue0060	Connections should have a container Property				
	functional	Diagram editor creator	done	Component: Code generator Component: Language Priority: Medium Type: Defect	
issue0061	Custom Figures				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Shapes DSL Type: Enhancement	
issue0062	Spray Editor must close when project closes				
	functional	Diagram editor creator	done	Component: UI Priority: Medium Type: Defect	
issue0063	Files generated into folder with project name				
		Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0064	SprayUserGuide.pdf Install introduction update sites url wrong				
		Diagram editor creator	done	Component: Documentation Priority: Medium Type: Defect	
issue0065	SprayUserGuide.pdf: Choose the Diagram Type busmod				
		Diagram editor creator	done	Component: Documentation Priority: Medium Type: Defect	
issue0066	Language should use curly brackets				
	non-functional	Diagram editor creator	done	Component: Language Priority: Medium Type: Defect Usability	
issue0067	Develop Shapes DSL				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Code generator Component: Language Shapes DSL Type: Task	
issue0068	Improve default look and feel				
	non-functional	Diagram editor user	done	Component: Code generator Generated diagram editor Type: Task Usability	
issue0069	Add aliases for Shape elements				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Type: Enhancement	
issue0070	Xtext Grammar shows error Cannot find compatible feature type in sealed EClass				
		Diagram editor creator	done	Component: Language Priority: Medium Type: Defect	
issue0071	Fix alias for metaclasses				
		Diagram editor creator	done	Component: Code generator Type: Task	
issue0072	Improve formatter for the Spray DSL				
	non-functional	Diagram editor creator	done	Component: Language Priority: Low Spray DSL Type: Enhancement	
issue0073	Class is regenerated in src-gen although it has been moved to src before				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0074	Properties View does not work anymore				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: High Properties view Type: Defect	
issue0075	alias specification not applied to property classes generation				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
	Comment No fix needed: There is opnly one property sheet for a domain class, therefore all aliases can use the property sheet of their domain class. There is no need for a separate property sheet for an alias				
issue0076	Layout application not appropriate				
	functional	Diagram editor creator	done	Compartments Component: Code generator Component: Language Generated diagram editor Priority: Low Shapes DSL Type: Enhancement	
	Comment Won't fix: This old way of doing containers is now replaced by the compartments integrated into the shape DSL. This issue is therefore not relevant anymore.				
issue0077	Palette definition not intuitive				
	non-functional	Diagram editor creator	open	Component: Language Palette Priority: Low Spray DSL Type: Enhancement Usability	

Name	Type	Stakeholder	Status	Labels	

Comment When I first defined a diagram editor in the Spray DSL, I wrote something like that:

```
class State :
container ( )
{
text ( ) { name };
}
```

Then I opened the diagram editor and wondered, that there is no palette. I found out, that I have to define additionally

```
behavior {
create palette "PaletteName";
}
```

Name	Type	Stakeholder	Status	Labels	
issue0078	References should only be allowed to containment features				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Language Priority: Medium Spray DSL Type: Defect	
issue0079	Provide ability of semantic validation in the diagrams				
	functional	Diagram editor creator	open	Component: Language Priority: Low Spray DSL Type: Enhancement Validation	
	Comment In Graphiti you can use decorators, e.g. add a warn or error marker to an element in the diagram when it violates certain semantic rules. Spray should support such validations. The validation rules could be defined either * in generated Java gap classes or * in the Spray DSL itself or * if the domain model is Xtext based, their Java Validator might be reused For defining decorators, the DefaultToolBehaviorProvider.getDecorators(PictogramElement pe) can be used. With issue#93 XtextValidationDecoratorProvider is introduced. It implements the newly added interface IRenderingDecoratorProvider, which can be used from Spray specific tool behavior providers.				
issue0080	Metamodel Cleanup				
		Spray developer	done	Component: Language Priority: Medium Type: Task	
issue0081	Upgrade to Xtext 2.1.1				
		Spray developer	done	Component: Build Type: Task	
issue0082	Rename Behaviour to Behavior				
		Diagram editor creator	done	Component: Language Priority: Medium Type: Defect Usability	
issue0083	Spray UI Activator does not start when genmodel cannot be registered				
		Diagram editor creator	done	Component: Language Priority: Medium Type: Defect	

Name	Type	Stakeholder	Status	Labels	
issue0084	default package name in Spray project wizard				
	functional	Diagram editor creator	done	Priority: Low Spray project wizard Type: Defect	
issue0085	Model EClass wizard				
	functional	Diagram editor creator	done	Priority: Medium Spray project wizard Type: Defect	
issue0086	Please explain, how to support Graphiti default shapes				
	functional	Spray Developer	open	Component: Code generator Priority: Low Shapes DSL Spray DSL Type: Task	

Comment Currently there is already a rule Rectangle in the Spray DSL, but the generator does not handle it yet. I naively tried to implement a further dispatch createShape operation for type Rectangle, but ended up with a lot of compilation errors in other parts of the generated code.

There is lot of registrations and setting properties, I did not understand. For creating good looking diagrams (color gradients and so on), at least the default shapes should be supported. But for that, there must exist an understanding, how the code works and how the code can be (in first sight manually) extended to introduce rectangles.

```
def dispatch createShape (Rectangle rectangle) '''
«val varname = rectangle.shapeName.toFirstLower»
// Part is Rectangle
{
String type = "«rectangle.fullyQualifiedName»";
// create shape for text and set text graphics algorithm
Shape «varname» = peCreateService.createShape(textContainer, false);
Rectangle rectangle = gaService.createRectangle(getDiagram());
rectangle.setBackground(manageColor(«rectangle.lineColor»));
rectangle.setForeground(manageColor(«rectangle.fillColor»));
gaService.setLocationAndSize(rectangle, 0, 0, 0, 0);
peService.setPropertyValue(«varname», "MODEL_TYPE", type);
peService.setPropertyValue(«varname», ISprayContainer.CONCEPT_SHAPE_KEY,
ISprayContainer.RECTANGLE);
// create link and wire it
link(«varname», addedModelElement);
}
'''
```

| issue0087 | Build fails while testing | | | | |

	Name	Type	Stakeholder	Status	Labels	
			Spray Developer	done	Component: Build Operating System: Windows Priority: Medium Type: Defect	
`issue0088`	New Spray Project Wizard and files without an extension					
	functional	Diagram editor creator	done	Priority: Medium Spray project wizard Type: Defect	
`issue0089`	Copy generated plugin.xml to project root until deactivated					
	functional	Diagram editor creator	open	Component: Code generator Priority: Medium Properties file Spray project wizard Type: Defect Usability	
	Comment When starting with a new project, the plugin.xml is generated to the src-gen folder. It must be manually copied and merged to the project root. Usually during start up of a project it is not required to make manual changes, so the plugin.xml should be overwritten by default, until this feature is deactivated. This should be either be configured through the Spray properties file, or by leveraging Output configurations. This may also be combined, so that the runtime OutputConfigurationProvider evaluates the Spray properties file. there should be a property in properties file (and an option in the project creation wizard before): override.plugin.xml with possible values: * yes: always overridden by each generation * no: never overridden by each generation * ask: show a confirmation dialog to the user to let him decide whether to override the file - this dialog should be only shown if the new plug-in.xml would differ from the existing one. alternative solution: http://5ise.quanxinquanyi.de/2013/01/11/avoiding-manual-merge-when-generating-plugin-xml-with-xtextxtend/?utm_source=rss&utm_medium=rss&utm_campaign=avoiding-manual-merge-when-generating-plugin-xml-with-xtextxtend					
`issue0090`	Add Spray to Eclipse Marketplace					
	functional	Spray developer	open	Priority: Medium Project marketing Type: Task	

	Name	Type	Stakeholder	Status	Labels	
		Comment In order to get more installations of Spray the project should be integrated into the Eclipse Marketplace.				
`issue0091`		Evaluate ZEST Layout Feature				
		functional	Diagram editor creator	done	Generated diagram editor Priority: Medium Type: Enhancement	
`issue0092`		Split CI builds				
			Spray developer	done	Component: Build Priority: Medium Type: Task	
`issue0093`		Introduce runtime plugin for Xtext related extensions				
		functional	Spray developer	done	Plug-in structure Type: Enhancement	
`issue0094`		Use xtend-maven-plugin, remove xtend-gen sources from repository				
		functional	Spray developer	done	Component: Build Priority: Medium Type: Enhancement	
`issue0095`		Upgrade to Xtext 2.2.0				
			Spray developer	done	Component: Build Type: Task	
`issue0096`		name in source.name cannot be resolved anymore				
			Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
`issue0097`		Creating a new project with Spray Wizard fails because RegisterPlatformGenmodelListener is null				
			Diagram editor creator	done	Priority: Medium Spray project wizard Type: Defect	
`issue0098`		Content propsoal in Styles DSL Editor causes exception				

Name	Type	Stakeholder	Status	Labels	
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Styles DSL Type: Defect	
issue0099	Shape Generator runs on NPE				
		Diagram editor creator	done	Component: Code generator Priority: Medium Shapes DSL Type: Defect	
issue0100	Styles postprocessor classes must be compiled in separate module				
		Diagram editor creator	done	Component: Code generator Priority: High Styles DSL Type: Defect	
issue0101	Compartment entry has no displayed name				
		Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
issue0102	Displayed shape name is incomplete				
		Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
issue0103	Shapes are not movable anymore				
		Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
issue0104	Metamodel import from developer workspace in DSL not resolvable				
	functional	Diagram editor user	done	Component: Language Component: UI Priority: Low Spray DSL Type: Defect	
issue0105	Allow more than one connection reference with node definition				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor user	done	Component: Language Priority: High Spray DSL Type: Defect	
issue0106	Code generator assumes fix name attribute at EClass instances				
	functional	Diagram editor user	done	Component: Code generator Priority: High Type: Defect	
issue0107	CreateConnectionFeature List in FeatureProvider lacks comma				
	functional	Diagram editor user	done	Component: Code generator Priority: High Type: Defect	
issue0108	references to containments in the references { } section of a class are not supported yet				
	functional	Diagram editor user	done	Compartments Component: Language Priority: Low Spray DSL Type: Enhancement	
	Comment Won't fix: As this kind of container will be replaced by the new compartments in the shape DSL, this issue is no longer relevant.				
issue0109	Add implicit import for java.lang				
	functional	Diagram editor user	done	Component: Language Priority: Medium Shapes DSL Type: Enhancement	
issue0110	Remove description attribute, use multi-line type functional comment instead				
	functional	Diagram editor user	done	Component: Language Priority: Medium Styles DSL Type: Enhancement	
issue0111	Shape Formatter				
	functional	Diagram editor user	done	Component: Language Component: UI Priority: Medium Shapes DSL Type: Defect Usability	

Name	Type	Stakeholder	Status	Labels	
issue0112	Shape Outline				
	functional	Diagram editor user	done	Component: UI Priority: Medium Shapes DSL Type: Defect	
issue0113	SPRAY imports are not verified				
		Diagram editor user	done	Component: Language Priority: Medium Spray DSL Type: Defect Validation	
issue0114	Shape parameters shall be used in any assignment				
	functional	Diagram editor creator	open	Component: Language Priority: Low Shapes DSL Size & position Type: Enhancement	

Comment shape FormShape(java.lang.String formqualified) {
rectangle {
position(x=0,y=0)
size(width=60,height=20)
text {
align(horizontal=center, vertical=middle)
position(x=5, y=5)
size(width=60,height=20)
value=formqualified
}
}

}

Currently it is not possible to use a supplied parameter for position, width etc.

Really nice would be:

shape FormShape(java.lang.String formqualified, java.lang.Integer shapewidth) {
rectangle {
position(x=0,y=0)
size(width=shapewidth,height=20)
text {
align(horizontal=center, vertical=middle)
position(x=5, y=5)
size(width=shapewidth,height=20)
value=formqualified
}
}

}

I'm aware of, that isn't that easy and raises further issues. On the other hand it opens many possibilities.

[▤]Name	Type	Stakeholder	Status	[▧]Labels	[▨]
issue0115	Support arithmetic operations within shapes				
	functional	Diagram editor creator	open	Component: Language Priority: Low Shapes DSL Size & position Type: Enhancement	

	Comment shape FormShape(java.lang.String formqualified) {
	rectangle {
	position(x=0,y=0)
	size(width=60,height=20)
	text {
	align(horizontal=center, vertical=middle)
	position(x=5, y=5)
	size(width=60,height=20)
	value=formqualified
	}
	}
	
	}
	
	Currently width etc are all integer constants. Nice would be to use arithmetic expressions. This would be very handy on complexer Shapes.				

issue0116	Access to Graphiti Diagram Units				
	functional	Diagram editor creator	open	Component: Language Priority: Medium Shapes DSL Size & position Type: Enhancement	
	Comment It would be very handy to have access to Graphiti Diagram Units.				
issue0117	Nested Shaped References				
	functional	Diagram editor creator	in progress	Compartments Component: Language Priority: Medium Shapes DSL Type: Enhancement	

	Name	Type	Stakeholder	Status	Labels	

	Comment It would be very handy to have nested Shape References (Reuse of already defined shapes, or even externally defined shapes -- or even reference Shape Libraries)	
	shape A {	
	}	
	shape B { }	
	shape C { shape A { assignments	

	Name	Type	Stakeholder	Status	Labels	
issue0118	Allow import in shapes					
	functional	Diagram editor creator	done		Component: Language Priority: Medium Shapes DSL Type: Defect	
issue0119	icon path shall be relative to project root					
	functional	Diagram editor creator	done		Component: Language Priority: Medium Spray DSL Type: Defect	
	Comment Won't fix: warning sufficient for missing icon					
issue0120	Font-Selector shall also define selected size					
	functional	Diagram editor creator	open		Component: Language Priority: Medium Styles DSL Type: Enhancement Usability	
	Comment Font-Selector is nice, but it should also define font-size etc. if data is available, which may not be the case on all plattforms, but shall not override existing values.					
issue0121	Shape: Image support is missing					
	functional	Diagram editor creator	open		Component: Language Priority: Medium Shapes DSL Type: Enhancement	

Name	Type	Stakeholder	Status	Labels	
	Comment There is not image support within shapes.				
issue0122	Shape settings have no effect				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Shapes DSL Type: Enhancement	
issue0123	Make generator extensible without need to change the source				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0124	Spray Generators do not respect genmodel settings				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0125	Installation instructions				
		Diagram editor creator	done	Component: Build Component: Documentation Priority: Medium Type: Defect	
issue0126	askFor has no effect for connections				
	functional	Diagram editor user	done	Component: Code generator Priority: Medium Type: Defect	
issue0127	Couldn't resolve reference to root EClass of a model				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Critical Spray DSL Type: Defect	
issue0128	Spray update site doesn't work anymore				
		Diagram editor creator	done	Component: Build Priority: Medium Type: Defect	
issue0129	Installation into Eclipse Juno				
		Diagram editor creator	done	Component: Build Priority: Medium Type: Defect	
issue0130	Add SVG Shape Generator				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium SVG Shapes DSL Type: Enhancement	
issue0131	Reduce plugin dependencies of Spray diagram plugin				
		Spray developer	done	Component: Build Priority: Medium Type: Defect	
issue0132	Develop Spray Diagram for Shapes DSL				
	functional	Diagram editor creator	open	Component: Language Priority: Low Shapes DSL Type: Enhancement Usability	
	Comment I got already multiple times feedback that a visual editor for Shapes would be desired. And why not develop such an editor with Spray itself? It should be doable with Spray and a good proof by eating our own dogfood.				
issue0133	Switch from AbstractModelInferrer to IJvmDeclaredTypeAcceptor				
		Spray developer	done	Component: Code generator Priority: Medium Type: Enhancement	

Name	Type	Stakeholder	Status	Labels	
issue0134	Installation of Spray via Release Update Site fails because of missing dependencies				
		Diagram editor creator	done	Component: Build Priority: Medium Type: Defect	
issue0135	Spray cannot resolve reference to JvmIdentifiableElements like eClass and name when using custom ecore				
		Diagram editor creator	done	Component: Build Priority: Medium Type: Defect	
issue0136	Xtext tests that do not suppress serialization fail on Windows				
		Spray developer	done	Component: Build Component: Test Priority: Medium Type: Defect	
issue0137	Unable to load ExecutableExtensionFactory				
		Diagram editor user	done	Component: Build Generated diagram editor Priority: High Type: Defect	
issue0138	Initially generated *DefaultStyle.java does not compile				
		Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0139	Install cannot be completed due to conflicting dependencies				
		Diagram editor creator	done	Component: Build Priority: High Type: Defect	
issue0140	Shape preview in Xtext hover				
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Low Shapes DSL Spray DSL Type: Enhancement Usability	
issue0141	Context menu entry Show properties view predefined				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor user	open	Generated diagram editor Priority: Low Properties view Type: Enhancement Usability	

Comment A very common use case is to show the properties for a selected element in generated diagram editor.

When the properties is not opened yet you currently have to use Window -> Show View -> Others -> General/Properties.

There should be a context menu entry available for every graphical element that should trigger to open respectively (re-)activate the properties view.

This context menu entry could be proposed as predefined custom behavior inside the Spray DSL editor.

Name	Type	Stakeholder	Status	Labels	
issue0142	Enable linking to referenced domain model element				
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0143	Migrated connection DSL template proposal to new syntax				
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0144	Fix create behavior template askFor reference				
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0145	Adapt Spray DSL formatter to syntax changes				
		Diagram editor creator	done	Component: Language Component: UI Priority: Low Spray DSL Type: Defect	
issue0146	Include all example projects into the automated build				

Name	Type	Stakeholder	Status	Labels	
		Spray developer	open	Component: Build Examples Priority: High Type: Task	

Comment Currently only org.eclipselabs.spray.examples.one is included.

The following projects have to be included:
* BPMN
* de.htwg.2012.bpmn.mm
* org.eclipselabs.spray.examples.bpmn
* LWC 2012
* de.htwg.2012.lwc.mm
* org.eclipselabs.spray.examples.lwc2012
* Petrinets
* de.htwg.petrinet.mm
* org.eclipselabs.spray.examples.petrinet
* Fowler DSL / Statemachine

What actions are required for the inclusion?
* mavenize projects
* add mwe2 Workflows for starting the generators (style, shape, spray)
* clean up and extend projects if necessary (Fowler DSL, styles and shapes in example.one)

A successful build of the example projects is always a helpful indicator of a working Spray.
* add to modules in releng pom

Name	Type	Stakeholder	Status	Labels	
issue0147	Document JaCoCo setup in Spray developer documentation				
	non-functional	Spray developer	open	Component: Build Component: Documentation Priority: Low Type: Task	

Comment The Spray build supports code coverage measurement via JaCoCo. This should be documented in the Spray developer guide.

Name	Type	Stakeholder	Status	Labels	
issue0148	Document Sonar in Spray developer guide				
	non-functional	Spray developer	open	Component: Build Component: Documentation Priority: Low Type: Task	

Comment The Spray build supports metrics collection via Sonar. This should be documented in the Spray developer guide. The guide should also cover which components are to exclude from investigation (how to exclude the generated code parts). Further the usage of Sonar (web interface as well as Eclipse plug-in) should be shown.

Name	Type	Stakeholder	Status	Labels	
issue0149	Investigate out of memory in xtend-maven-plugin in local build				
		Spray developer	done	Component: Build Priority: Low Type: Task	

Name	Type	Stakeholder	Status	Labels	
issue0150	Improve performance of domain model completion in Spray DSL				
	non-functional	Diagram editor creator	done	Component: Language Component: UI Performance Priority: Medium Spray DSL Type: Enhancement	
issue0151	comments in Shape and Styles DSL are not colored like comments				
		Diagram editor creator	done	Component: Language Component: UI Priority: Low Shapes DSL Styles DSL Type: Defect	
issue0152	A generated Spray projects in Juno still imports org.eclipse.xtext.xtend2.lib				
		Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0153	org.eclipselabs.spray.styles not included in generated MANIFEST.MF				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0154	Empty compartment name for connection				
		Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
issue0155	Prepare Spray 0.5 release				
	non-functional	Spray developer	open	Component: Build Component: Documentation Component: Test Examples Priority: High Quality assurance Release Type: Task	

Name	Type	Stakeholder	Status	Labels	
	Comment We should make a release of the current state of Spray as Spray 0.5.				
issue0156	NPE at SprayScopeProvider.scope_Connection_from				
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0157	A bulk of PackageNotFoundExceptions after each Scope call				
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0158	Exception at save of diagram file edited with generated Graphiti editor				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
issue0159	ClassCastException when creating new diagram shape				
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Shapes DSL Type: Defect	
issue0160	Referencing a style definition has no effect				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: High Type: Defect	
issue0161	Link referenced shapes and styles definition not only to the generated Java file				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Shapes DSL Styles DSL Type: Enhancement	
issue0162	Propose gradient definition also at style attribute within shape definition				
	functional	Diagram editor creator	done	Component: Language Priority: Low Shapes DSL Type: Defect	
issue0163	Better auto completion support in Shape and Styles DSL				
	non-functional	Diagram editor creator	done	Component: Language Priority: Medium Shapes DSL Styles DSL Type: Enhancement Usability	
issue0164	Sort / prioritize elements in proposals				
	non-functional	Diagram editor creator	done	Component: Language Component: UI Priority: Low Spray DSL Type: Enhancement Usability	
issue0165	Write a concept / overview of all scenarios creating diagram elements				
	functional	Spray developer		Component: Documentation Priority: Medium Requirements engineering Type: Task	

Name	Type	Stakeholder	Status	Labels	
	Comment Currently there are quite a lot of restrictions in building up an domain model by creation of diagram elements. It should be documented inside the developer guide or in a wiki page, which creation scenarios are thinkable and whose of them are already support resp. what have to be done in Spray to enable the not yet supported scenarios. Some examples: * handling of containment and non-containment relationships in the domain meta model * handling of recursion in the domain meta model * handling of the scenario, where multiple diagram elements maps to one domain model element / feature * handling of the scenario, where one diagram element maps to multiple domain model elements / features * handling of the scenario, where the existence / appearance of a diagram element depends				
issue0166	Write scoping and proposal tests				
	functional	Spray developer	in progress	Component: Build Component: Test Type: Task	
	Comment use Xtext XPECT to define Scoping (and auto completion) tests				
issue0167	Figures on the same level are marked as one would exeed the dimensions of the other				
	functional	Diagram editor creator	open	Component: Language Priority: Medium Shapes DSL Type: Defect Validation	

Name	Type	Stakeholder	Status	Labels	

Comment The following shape is marked with the warning: "The height of all subelements is bigger than max_height of the shape."

```
shape MyShape {
rectangle {
position(x=0,y=0)
size(width=50,height=50)
}
ellipse {
position(x=50,y=50)
size(width=50,height=150)
}
}
```

As the both figures have no common parent there should be no restriction in width and height (in Graphiti code these both figures may contained within a invisible rectangle that would receive the max dimension derived by width, height and position of its contained figures).

issue0168	Enable definition of connection by given start and end element				
	functional	Diagram editor creator	open	Component: Language Connection Priority: Medium Spray DSL Type: Enhancement	

Name	Type	Stakeholder	Status	Labels	

	Comment Currently there must exist a domain meta model element that can be mapped to a connection. This domain meta model element holds references to the start and the end element. But the more common case is, that there two elements that have uni- o bi-directional association to each other without such an extra third element.
	
	In the DSL it should be possible, to write something like this:
	
	classes Element1 alias e1, Element2 alias e2 {
	connection ( )
	{
	from e1.element2Reference // this is the reference of type Element2
	to e2.element1Reference // this is the reference of type Element1
	}
	}
	
	In the example above there is a bi-directional association between Element1 and Element2				

issue0169	Enable creation of element that are not direct children of the model root				

	Name	Type	Stakeholder	Status	Labels	
		functional	Diagram editor creator	open	Compartments Component: Language Priority: Medium Spray DSL Type: Enhancement	

Comment Domain model:

A <>-ab- B
B <>-bc- D

Currently it is only possible to define

diagram aDiagram for A

class B {
...
behavior {
create into ab palette "Elements";
}
}

but it is not possible yet to define

class C {
...
behavior {
create into ab.bd palette "Elements";
}
}

(with ab.bd navigating from A to C over B, in the diagram the representation of C have to be nested into the representation of B).

Jos' answer: The ab.cd is only clear when you know from which B you start when creating a C. So you need to drag the C on top of B to create it, but then it would logically be rendered inside the B shape. This is how it works with compartments now. Howe else would you know to which B to add C.
Children of other nodes (except root) can be created inside compartments of their parent node.

	Name	Type	Stakeholder	Status	Labels	
issue0170	Catch NPEs in model inferrer code					
		functional	Spray developer	done	Component: Build Component: Code generator Priority: Medium Type: Defect	

Comment Won't fix: moved away from model inferer for now

	Name	Type	Stakeholder	Status	Labels	
issue0171	Provide trace model for shape and style DSL					
		functional	Diagram editor creator	open	Priority: Low Type: Enhancement	

Name	Type	Stakeholder	Status	Labels	
	Comment By switching style and shape DSL to use a model inferrer it would be nice to insert trace				
`issue0172`	Add dynamic compartments to Shapes DSL				
	functional	Diagram editor user	done	Compartments Component: Code generator Component: Language Generated diagram editor Priority: High Shapes DSL Type: Task	
`issue0173`	Fix documentation before 0.5 release				
		Diagram editor creator	open	Component: Documentation Priority: Medium Type: Task	
`issue0174`	Add wizard option to decide about one file or two file model variant				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Low Spray project wizard Type: Enhancement	
	Comment Won't fix: In would like to reject this issue. Having the domain model stored in the same resource as the Graphiti model is nice for making a quick example, but these two things should in practice always be separated. I think it is bad design to combine them.				
`issue0175`	Have a look at setDoneChanges(true) in CreateFeature of Connections				
	functional	Diagram editor user	done	Component: Code generator Priority: Medium Type: Defect	
`issue0176`	Renable SVG generator after switch to model inferrer in Shapes DSL				
		Diagram editor creator	done	Component: Code generator Priority: Medium SVG Type: Defect	
`issue0177`	Enable linking to style and gradients under their simple name				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Shapes DSL Spray DSL Type: Defect Usability	
issue0178	Remove workaround for Duplicate JVMIdentifiableElement				
		Spray developer	done	Component: Code generator Priority: Low Type: Defect	
	Comment Won't fix: moved away from model inferer for now				
issue0179	Make Maven build work under Windows for projects using model inferrer				
	functional	Spray developer	done	Component: Build Priority: Medium Type: Defect	
	Comment fixed: moved away from model inferer for now				
issue0180	IllegalArgumentException in DefaultSprayStyle				
		Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
issue0181	Fix coordinates for SVG generation				
		Diagram editor creator	done	Component: Code generator SVG Shapes DSL Type: Task	
issue0182	Compartments can also be other shapes than rectangles				
	functional	Diagram editor user	ready	Compartments Component: Code generator Component: Language Priority: Medium Shapes DSL Type: Task	
	Comment Currently a compartment is a rectangle (hard-coded). Instead the user should be able to define any closed shape (rectangle, rounded-rectangle, ellipse, polygon) as a compartment. Need to add this option to the DSL and to the code generator				
issue0183	Nested compartments are selectable				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor user	done	Compartments Component: Code generator Component: Language Generated diagram editor Priority: Medium Shapes DSL Type: Defect	
issue0184	SVG-generation folder				
		Diagram editor creator	done	Component: Code generator Priority: Low SVG Shapes DSL Type: Defect	
issue0185	Gradient, Style and Shape Generator should support Generation Gap Pattern				
	functional	Diagram editor creator	in progress	Component: Code generator Shapes DSL Styles DSL Type: Task	
	Comment The artifacts generated from the Spray DSL follow the Generation Gap Pattern, so that there is a base and a gap class generated for each artifact, where the Gap class may moved to src folder to adapt it with manually written code. This should be true also for the artifacts derived from Gradient, Style and Shape definition.				
issue0186	Gradient, Style and Shape generator should respect *.properties file entries				
	functional	Diagram editor creator	done	Component: Code generator Priority: Low Properties file Shapes DSL Styles DSL Type: Defect	
issue0187	Integrate Xtext builder participants of DSLs with each other				
		Diagram editor creator	ready	Component: Code generator Component: UI Priority: Medium Type: Enhancement	

📑Name	Type	Stakeholder	Status	🏷Labels	🔄
	Comment Currently the builder participants / generators of the different DSLs do know nothing about each other. So a change e.g. in the Style DSL that has no effect to references to style definitions in other DSLs may break the Java code basis as the generated Style Java code may not be compatible to the other generated Java code that uses this code.				
	So it would be best practice to always trigger the generator for all DSL artifacts that are potentially affected by the change in a DSL artifact, e.g. the Shape generator is also invoked when a style has changed as a shape can reference a style.				
issue0188	SVG-Generator Bugs (Size and Compartments)				

Comment Currently the builder participants / generators of the different DSLs do know

Name	Type	Stakeholder	Status	Labels	🔵
	functional		in progress	Compartments Component: Code generator Priority: Medium SVG Shapes DSL Styles DSL Type: Defect	

Comment * fixed position calculation (absolute and container relative works now)
* added style interpretation (currently only directly annotated style information)
* added connection decoration interpretation
* still missing:
* font attribute interpretation
* interpretation of text align
* interpretation of placing's radius and angle,
* referenced style interpretation
* gradients interpretation
* color interpretation based on numbers

issue0189	Using Container and Shape together				
	functional	Diagram editor user	ready	Compartments Component: Code generator Component: Language Generated diagram editor Priority: Medium Shapes DSL Spray DSL Type: Enhancement	

Comment Hi,

I'm trying to use the Container object with a Shape.

Something like this:

container()
{
shape myDecoratingShape {}

text ( ) { "<<"+capabilityName+">>" }
reference measurements attribute measurementName;
}

The problem is when I put a Shape (containing rectangles, etc...) inside a container and attempt to draw it,
all I get is a line.

I suppose what I really want to do is embed the container within the shape its self.

Is this possible and if so how do you go about doing it?

Jos' answer: Shapes and containers cannot be used together at this moment. I am working on integrating the containers into the shape DSL to allow exactly what you want. See issue http://code.google.com/a/eclipselabs.org/p/spray/issues/detail?id=172.

Name	Type	Stakeholder	Status	Labels	
issue0190	Define shape and style for anchors				
	functional	Diagram editor user	ready	Component: Code generator Component: Language Priority: Low Shapes DSL Type: Enhancement	
	Comment Anchors currently are circles with light grey fill. It would ne nice to be able to use other shapes as anchors and to give them a style.				
issue0191	Spray model editor gets weird eception if properties file does not exist				
		Diagram editor creator	done	Component: Code generator Component: UI Priority: Critical Properties file Type: Defect	
issue0192	Reference to EClass cannot be resolved in Juno Modelling + Graphiti + Spray				
		Diagram editor creator	done	Component: Build Priority: Medium Type: Defect	
issue0193	Unhandled parameter types: [null] in SVG generator				
		Diagram editor creator	done	Component: Code generator Priority: Medium SVG Type: Defect	
issue0194	Moving of elements not working				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Operating System: All Priority: Critical Type: Defect	
issue0195	AbortCompilation: Pb(324) - class cannot be resolved, indirectly referenced				
		Diagram editor user	ready	Component: Code generator Priority: Medium Type: Defect	

Name	Type	Stakeholder	Status	Labels	

	Comment I've had seen this from time to time, too. Maybe a problem with type inference, where the return type of method should be defined explicitly or there is a dependent library missing on the classpath, I will have a look at it. https://bugs.eclipse.org/bugs/show_bug.cgi?id=352706				
issue0196	NPE in adjustPriority(...)				
		Diagram editor user	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0197	Change documentation to use compartments				
	functional	Diagram editor creator	done	Compartments Component: Documentation Priority: Medium Shapes DSL Spray DSL Type: Task	
issue0198	Allow the user to change the order of the shapes in a compartment				
	functional	Diagram editor user	ready	Compartments Component: Code generator Generated diagram editor Shapes DSL Spray DSL Type:Enhancement	
	Comment From Fabio: In a compartment the order of the shapes currently always is the order in which they were added. It would be useful to allow users to change this order. E.g. you start with Class: MyClass - PropertyOne - PropertyTwo Now the user wants to switch this properties in a different way (PropertyTwo before PropertyOne) MyClass - PropertyTwo - PropertyOne				
issue0199	Class cast exception in style DSL				
		Diagram editor user	done	Component: Language Component: UI Priority: Medium Styles DSL Type: Defect	

Name	Type	Stakeholder	Status	Labels	
issue0200	Fix outline views				
		Diagram editor creator	done	Component: Language Component: UI Shapes DSL Spray DSL Styles DSL Type: Task	
issue0201	Constant generated with white spaces				
		Diagram editor creator	done	Component: Code generator Priority: Low Spray DSL Type: Defect	
issue0202	Write automated tests for the generated diagram editors				
		Spray developer	open	Component: Code generator Component: Test Type: Task	

Name	Type	Stakeholder	Status	Labels	⌇

Comment There are currently some bugs in the generated diagram editors that should be disovered inside the automated build.

I have checked in some example diagram projects done with our example DSL projects:
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/examples/bpmn2.0/org.eclipselabs.spray.examples.bpmn.diagrams
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/examples/fowlerdsl/org.eclipse.xtext.example.fowlerdsl.diagrams
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/examples/fowlerdsl/org.eclipse.xtext.example.fowlerdsl.diagrams
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/examples/lwc2012/org.eclipselabs.spray.examples.lwc2012.diagrams
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/examples/one/org.eclipselabs.spray.examples.one.diagrams
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/examples/petrinet/org.eclipselabs.spray.examples.petrinet.diagrams

For how to test, see the following resources:

Graphiti Dark Feature Processing
* http://help.eclipse.org/juno/index.jsp?topic=%2Forg.eclipse.graphiti.doc%2Fresources%2Fdocu%2Fgfw%2Fdark-feature-processing.htm
* http://5ise.quanxinquanyi.de/2012/08/06/testing-graphiti-applications-with-dark-feature-processing/

Graphiti SWTBot Tests
* http://git.eclipse.org/c/gmp/org.eclipse.gmp.graphiti.git/tree/tests/org.eclipse.graphiti.bot.tests
* I (Joerg) actually developed some Graphiti SWTBot tests to, I should make the generic factored out super/helper classes available to Spray

See also the already existing SWTBot test for the Spray wizard (that currently fails)
* http://code.google.com/a/eclipselabs.org/p/spray/issues/detail?id=8
* http://code.google.com/a/eclipselabs.org/p/spray/source/browse/tests/org.eclipselabs.spray.examples.one.tests/pom.xml

Name	Type	Stakeholder	Status	Labels	
`issue0203`	Drag and drop of shapes only takes the top shape				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
`issue0204`	Default implementation for associating EObjects to associations				

<img>Name	Type	Stakeholder	Status	<img>Labels	<img>
	functional	Diagram editor user	ready	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
	Comment I just tested this a week ago, there seem to be no EObjects linked with connections so they appear as red dotted lines: http://spray.eclipselabs.org.codespot.com/git/examples/bpmn2.0/ org.eclipselabs.spray.examples.bpmn.diagrams/receipt/receipt.PNG					
issue0205	Resize of shapes containing texts ugly				
	functional	Diagram editor user	ready	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
	Comment Also experienced one week ago, when resizing a shape containing a text, e.g. dragging the right edge of the shape more and more to the right, the text wanders towards the right edge until it disappears. http://spray.eclipselabs.org.codespot.com/git/examples/bpmn2.0/ org.eclipselabs.spray.examples.bpmn.diagrams/receipt/receipt.PNG Jos' answer: I see, the horizontal-align=center of the text is taken in relationship with the text object, not in relation with the parent rectangle. And the text size grows shrinks with the text, which it should not.					
issue0206	Referenced gradient leads to shape generator abort				
	functional	Diagram editor creator	in progress	Component: Code generator Priority: Medium Shapes DSL Styles DSL Type: Defect	

Name	Type	Stakeholder	Status	Labels	

	Comment style
	
	style MyDefaultStyle {
	description = "The default style of the graphiti diagram type."
	transparency = 1.00
	// background-color = black
	line-color = black
	line-style = solid
	line-width = 1
	font-color = black
	font-name = "Tahoma"
	font-size = 12
	font-bold = yes
	}
	
	style EntryStyle extends MyDefaultStyle {
	background-color = EntryGradient
	gradient-orientation = vertical
	}				

issue0207	Non compiling code for some shapes using polygons				

Name	Type	Stakeholder	Status	Labels	
		Diagram editor creator	done	Component: Code generator Priority: Medium Shapes DSL Type: Defect	
issue0208	The textid and compartment id in the Spray DSl should be checked				
	functional	Diagram editor creator	done	Component: Language Spray DSL Type: Task Validation	
issue0209	References to domain model ecore works only after workspace restart				
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
issue0210	Reference to gradient in DSL is not proposed				
	functional	Diagram editor creator	done	Component: Language Priority: Medium Styles DSL Type: Defect	
issue0211	Propose block to bind parameters to shape definition				
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect Usability	
issue0212	Wrong default style is generated when there are multiple Spray projects				
	non-functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0213	No or not interpreted property for gradient package name				
	functional	Diagram editor creator	done	Component: Code generator Priority: Medium Type: Defect	
issue0214	Do not create [dsl_name].properties file anymore				

	Name	Type	Stakeholder	Status	Labels	
		functional	Diagram editor creator	done	Backward compatibility Component: Code generator Component: UI Priority: Medium Properties file Type: Defect	
issue0215	Discover colliding imports					
		functional	Diagram editor creator	open	Component: Code generator Priority: Low Type: Defect	

	Comment Giving a referenced shape the same name as used for the referenced domain model object will result in a conflicting import, where the a class with the same simple name is tried to imported from different packages. Such conflict may occur also in other situations.
	
	class Transition {
	connection Transition {
	name into connectionText
	// event.name into connectionText
	// fromState.name into fromText
	// toState.name into toText
	}
	
	The generator should discover such conflicts and should use for one class the import and for the other class full qualified access. A matter of the Spray import manager.					

issue0216	Duplicate entries in generated properties view					
		functional	Diagram editor user	open	Component: Code generator Generated diagram editor Priority: Medium Properties view Type: Defect	
	Comment see the appended screenshot for an example. The name feature appears twice. I guess this is because the direct properties as well as the inherited properties of the current class are merged with the properties within its superclass hierarchy: http:// spray.eclipselabs.org.codespot.com/issues/attachment? aid=2160000000&name=fowlerdsl.png&token=_S-X7jrZjZTmqJ1SIhnSdGO_Ymw %3A1364587972852&inline=1&thumb=1					
issue0217	Better handling of text size					
		functional	Diagram editor user	open	Component: Code generator Generated diagram editor Priority: Low Type: Defect	

Name	Type	Stakeholder	Status	Labels	
	Comment Currently you're forced to give position, width/height and id inside a text definition otherwise you end up with a strange error message: rule ruleCommonLayout failed predicate:				
issue0218	ClassCastException StyleScopeProvider cannot be cast to XbaseScopeProvider				
		Diagram editor creator	done	Component: Language Priority: Medium Styles DSL Type: Defect	
issue0219	Browse workspace in new project wizard does not work				
		Diagram editor creator	done	Priority: Medium Spray project wizard Type: Defect	
issue0220	Migrate org.eclipselabs.spray:org.eclipselabs.spray.xtext.tests				
		Spray developer	open	Component: Code generator Component: Test Type: Task	
	Comment The tests in org.eclipselabs.spray:org.eclipselabs.spray.xtext.tests are still based on using containers inside Spray DSL. This have to be changed to reference shapes form shape DSL files. So the test setup have to be changed in a way that shapes and styles are resolved as valid EMF resources.				
issue0221	Migrate org.eclipselabs.spray.shapes.tests				
		Spray developer	done	Component: Code generator Component: Test Shapes DSL Type: Task	
issue0222	Review org.eclipselabs.spray:org.eclipselabs.spray.generator.graphiti.tests				

Name	Type	Stakeholder	Status	Labels	
		Spray developer	open	Component: Code generator Component: Test Type: Task	
	Comment The tests for asserting the expected for the Spray generator are themselves generated now. The test assertions have to be checked against the actual produced generated code at runtime to verify that there are no differences due to not resolved shapes/styles/genmodels or other influences. This check might be done by comparing the actual generated code (to be copied inside the test project) with the code fragments to be generated as assertions (actually the generation approach has been chosen to avoid platform dependent differences in line break characters). There also some issues with generated code assertions because of trailing empty lines inside the generated code. When the generated test cases are verified add test case generators for the other example projects.				
issue0223	Regenerate and implement test cases on platform level for example Spray projects				
		Spray developer	open	Component: Code generator Component: Test Type: Task	
	Comment There has been unit test case stubs pregenerated for the example one Spray project (a test class for each generated class (e.g. add feature, update feature and so on was generated). These has been removed as they were no longer valid for the now generated code. Regenerate those test case stubs for the new generated code basis AND check if it is feasible to implement valid unit tests (maybe with some mocking) on top of them.				
issue0224	Editing .shape file results in opening the generated .svg file				
	functional	Diagram editor creator	done	Component: Language Component: UI Priority: Medium Shapes DSL Type: Defect	
issue0225	Activator is invalid/not found in runtime Eclipse				
		Diagram editor creator	done	Backward compatibility Component: Build Priority: Medium Type: Defect	
issue0226	Add EMF SDK to Spray 3rd party update site				

Name	Type	Stakeholder	Status	Labels	
		Diagram editor creator	done	Component: Build Type: Task	
`issue0227`	Update Spray completion templates to not include container node anymore				
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
`issue0228`	Update project template to do not use removed container nodes				
		Diagram editor creator	done	Component: Code generator Priority: Medium Spray DSL Type: Defect	
`issue0229`	No proposal after alias				
		Diagram editor creator	done	Component: Language Component: UI Priority: Medium Type: Defect	
`issue0230`	Inner compartment does not fill its container				
	functional	Diagram editor user	done	Compartments Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
`issue0231`	Initial creation of or change in of EMF domain model project not recognized in Spray project				
	functional	Diagram editor creator	done	Component: UI Priority: Medium Spray DSL Type: Defect	
`issue0232`	Provide quickfixes for shape and style definitions				
	non-functional		done	Component: Language Component: UI Shapes DSL Spray DSL Type: Enhancement Usability	
`issue0233`	Allow to pass constant values to referenced shape				

Name	Type	Stakeholder	Status	Labels	
	functional	Diagram editor creator	in progress	Priority: Medium Type: Defect	

Name	Type	Stakeholder	Status	Labels	

Comment Currently it is only possible to pass values to a referenced shape in by referencing a feature of the domain model:

```
class ActionBlock alias Action {
shape ActionBlockShape {
actionName into action
}
behavior {
create palette "Elements"
}
}

shape ActionBlockShape {
stretching(horizontal=true,vertical=true)
rectangle {
position(x=0,y=0)
size(width=100,height=100)
text {
position(x=5,y=5)
size(width=90,height=90)
id = action
}
}
}
```

So in the example actionName must be a feature of ActionBlock.

```
class ActionBlock alias Action {
shape ActionBlockShape {
actionName into action
}
```

As workaround you can write:

```
class ActionBlock alias Action {
shape ActionBlockShape {
actionName into action ("Constant text")
}
```

But you still need an existing feature of the domain model element.

What you actually want to write is:

```
class ActionBlock alias Action {
shape ActionBlockShape {
"Constant text" into action
}
```

Or even more constant direct in shape:

```
shape ActionBlockShape {
stretching(horizontal=true,vertical=true)
rectangle {
position(x=0,y=0)
size(width=100,height=100)
text {
position(x=5,y=5)
size(width=90,height=90)
id = "Constant text"
```

Name	Type	Stakeholder	Status	Labels	
`issue0234`	Containment element got lost				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Type: Defect	
`issue0235`	Support compartments also for connections				
	functional	Diagram editor creator	open	Compartments Priority: Medium Type: Enhancement	

| <img>Name	Type	Stakeholder	Status	<img>Labels	<img>
	Comment See http://groups.google.com/group/spray-users/browse_thread/thread/ 8f3b10ebfcbcea29 Could be useful when connection labels should be dependent on the containment hierarchy.				
`issue0236`	Problems with properties view when using compartments				
	functional	Diagram editor user	done	Component: Code generator Generated diagram editor Priority: Medium Properties view Type: Defect	
`issue0237`	Make Spray working in Eclipse Kepler (4.3)				
		Spray developer	in progress	Component: Build Priority: Low Type: Task	
`issue0238`	overridingGuiceModule.exsd not exported				
	functional	Diagram editor creator	done	Component: Build Priority: Medium Type: Defect	
`issue0239`	produce diagram elements manually				
	functional	Diagram editor creator	open	Interpreter Priority: Medium Shapes DSL Type: Enhancement	
	Comment it would be very nice of one could invoke diagram elements like connections and businessmodels manually in order to parse a file which should be represented as a spray diagram				
`issue0240`	Spray projects in one workspace mess each other up				
		Diagram editor creator	ready	Backward compatibility Component: UI Priority: Medium Type: Defect	

Name	Type	Stakeholder	Status	Labels	
	Comment I updated Spray last week from here https://spray.ci.cloudbees.com/job/spray-assembly-build/lastSuccessfulBuild/artifact/releng/org.eclipselabs.spray.updatesite/target/repository/ My previous version dated back to September 2012. After I fixed some syntax problems (You really need to update the user documentation) the following thing happened. What steps will reproduce the problem? 1. I have a spray project a.b.c.mydiagram based on a.b.c.mydiagram.model 2. I create a second spray project in the same workspace a.b.c.mydiagram_newSpray based on the same model 3. In the first project a.b.c.mydiagram I make some change in mydiagram.spray and code is				
`issue0241`	Fix problems with update feature for connections				
	functional	Diagram editor user	open	Generated diagram editor Priority: Medium Type: Defect	
	Comment see http://groups.google.com/group/spray-users/browse_thread/thread/743290420ddc93cf, duplicate of issue 204?				
`issue0242`	Allow resizing of compartments with non-xy-layout				
	functional	Diagram editor user	open	Compartments Component: Code generator Generated diagram editor Priority: Low Type: Enhancement	

Name	Type	Stakeholder	Status	Labels	
	Comment Resizing of compartments with vertical resp. horizontal layout is currently not supported. Only by resizing one of its contained elements the size of the compartment is changable (as it is then recalculated for the compartment). The other way round would mean that there				
issue0243	Import Package missing in generated Spray MANIFEST				
		Diagram editor user	done	Component: Code generator Operating System: All Priority: High Type: Defect	
issue0244	plugin.xml just in src-gen				
		Diagram editor user	ready	Component: Code generator Priority: Medium Type: Defect	
	Comment What steps will reproduce the problem? 1. Create a new Spray project (following steps in the 5 minutes tutorial) 2. Wait for generation of diagram What is the expected output? What do you see instead? The plugin.xml file is generated in the project folder (at least at the first time). But the plugin.xml appears just in the src-gen folder. --> will be fixed in conjunction with issue #89				
issue0245	reference section in metaclass				
		Diagram editor user	open	Component: Language Component: UI Priority: Medium Spray DSL Type: Defect	
	Comment What steps will reproduce the problem? 1. Run Spray-Runtime 2. Import archive file in workspace 3. Open petrinet.spray 4. Try the content assist before "targetTransitions" or "targetPlaces" What is the expected output? What do you see instead? A context menu opens with a content assist. No content assist at all shows up!				
issue0246	No connection shape on reference section				

	Name	Type	Stakeholder	Status	Labels	
		functional	Diagram editor user	open	Component: Code generator Priority: Medium, Type-Defect Shapes DSL Spray DSL	

Comment What steps will reproduce the problem?
1. Run Spray-Runtime
2. Import archive file in workspace (example archive file can be found on issue 245)
3. Open petrinet.shape
4. Create a connection shape
5. Open petrinet.spray
6. Add the created connection shape after the connection keyword in the line beginning with "targetTransitions" or "targetPlaces"

What is the expected output? What do you see instead?
Expected: The generated "AddReferenceFeature" fetches the defined shape.
But, following code will generated (just a free form connection)

```
public PictogramElement add(final IAddContext context) {
final IAddConnectionContext addConContext = (IAddConnectionContext) context;
Place addedDomainObject = (Place) context.getNewObject();

// CONNECTION WITH POLYLINE
final Connection connection = peCreateService.createFreeFormConnection(getDiagram());
connection.setStart(addConContext.getSourceAnchor());
connection.setEnd(addConContext.getTargetAnchor());
```

Package org.eclipselabs.spray.requirements.entities.emf

Entities overview

org.eclipselabs.spray.requirements.entities.emf

EClass   EReference   EAttribute
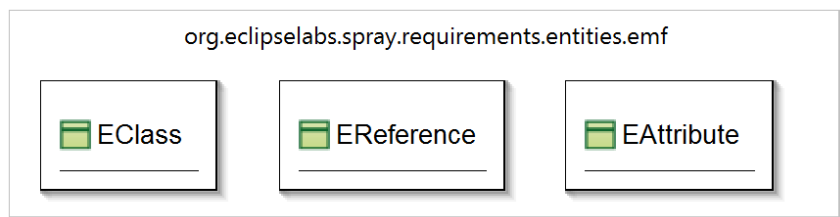
Entity EClass

Attributes	Description	Type	Multipl.

Entity EReference

Attributes	Description	Type	Multipl.

Entity EAttribute

Attributes	Description	Type	Multipl.

Package org.eclipselabs.spray.requirements.entities.jvmtypes

Entities overview

org.eclipselabs.spray.requirements.entities.jvmtypes

🟩 JvmTypeReference

Entity JvmTypeReference

Attributes	Description	Type	Multipl.

Package org.eclipselabs.spray.requirements.entities.xbase

Entities overview

Entity XExpression

Attributes	Description	Type	Multipl.