Schema documentation for domain.xsd

1 may 2013

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Attribute modelBaseAttributes / @description	
Attribute modelBaseAttributes / @label	
Attribute modelBaseAttributes / @class	
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Namespace: "http://www.xquerrail-framework.com/domain"

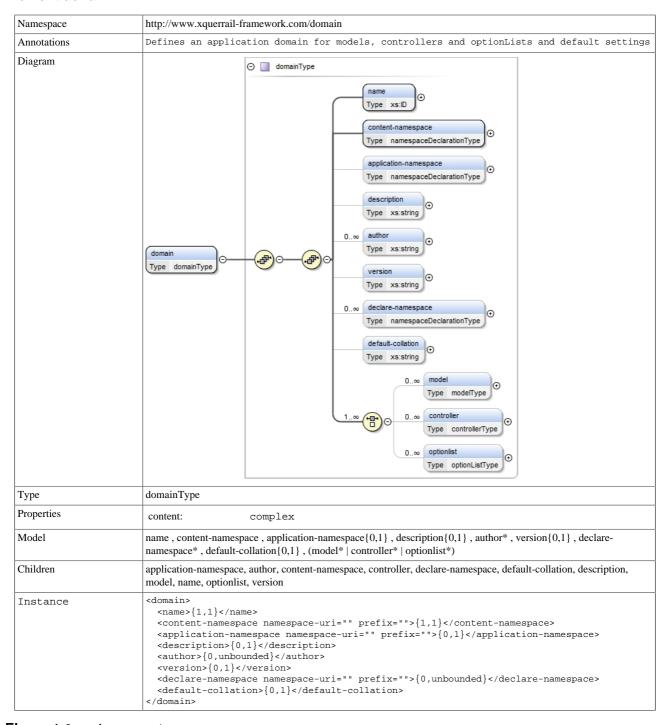
Schemas

Main schema domain.xsd

Namespace	http://www.xquerrail-framework.com/domain
Properties	attribute form default: unqualified
	element form default: qualified

Elements

Element domain



Element domainType / name

Namespace	http://www.xquerrail-framework.com/domain			
Annotations	Defines the name of the application associated with the domain. The name of the domain is resolved when using dynamic controllers/models and routing information between different domains.			
Diagram	name Type xs:ID			
Туре	xs:ID			
Properties	content: simple			

Element domainType / content-namespace

Namespace	http://www.xquerrai	http://www.xquerrail-framework.com/domain				
Annotations		Defines the default namespace for the application domain. This namespace will be used for any defined models unless overriden by fields defining their				
Diagram	content-namespace Type namespaceDeclar		attributes prefix namespace-uri			
Туре	namespaceDeclaration	onType				
Properties	content:	complex				
	minOccurs:	1				
	maxOccurs:	1				
Attributes	QName	Туре	Fixed	Default	Use	
	namespace-uri				optional	
	prefix				optional	

Element domainType / application-namespace

Namespace	http://www.xquerrai	l-framework.com/do	main			
Annotations	the framework. uri of any defin	The base-namesp med model,contro //tempuri.org"	ace maps the base ller,library or pl declare controller	ugins such as appl	library namespaces in ication-	
Diagram	application-namespace Type namespaceDeclara	0	namespaceDeclarationType @ attributes @ prefix @ namespace-uri			
Туре	namespaceDeclaration	onType				
Properties	content:	complex				
	minOccurs: 0					
	maxOccurs:	1				
Attributes	QName	Type	Fixed	Default	Use	
	namespace-uri				optional	
	prefix				optional	

Element domainType / description

Namespace	http://www.xquerrail-framework.com/domain
Annotations	Description of the application domain and its intended purpose
Diagram	description Type xs:string xs:string
Type	xs:string
Properties	content: simple
	minOccurs: 0

maxOccurs: 1	
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Element domainType / author

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	Author of the domain	
Diagram	author Type xs:string xs:string	
Type	xs:string	
Properties	content: simple	
	minOccurs: 0	
	maxOccurs: unbounded	

Element domainType / version

Namespace	http://www.xquerrail-framework.com/domain		
Annotations	Version of the domain		
Diagram	version Type xs:string O xs:string		
Type	xs:string		
Properties	content: simple		
	minOccurs: 0		
	maxOccurs: 1		

Element domainType / declare-namespace

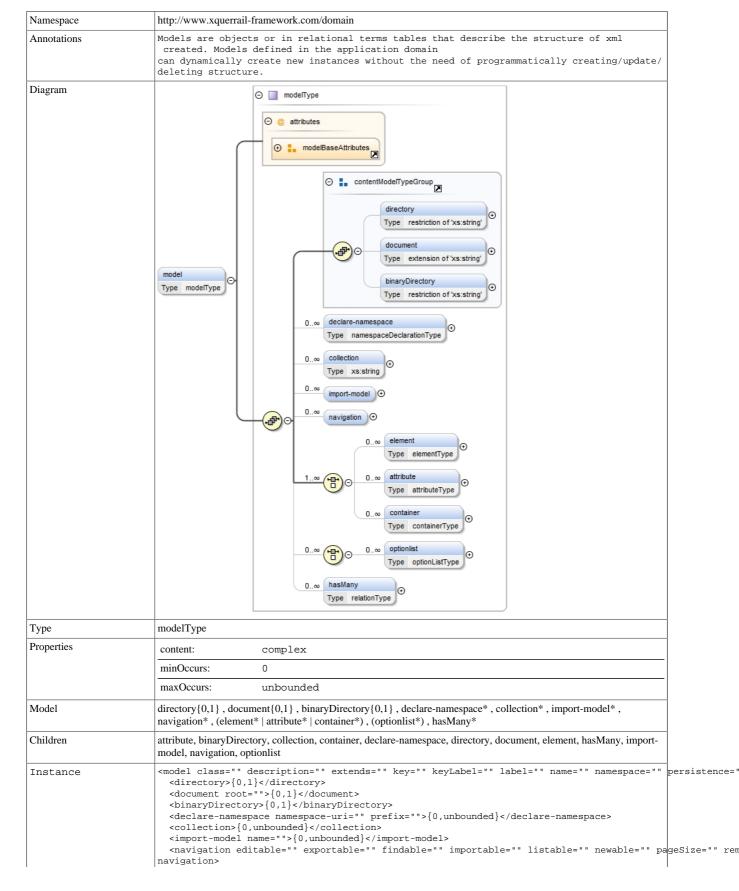
Namespace	http://www.xquerrai	http://www.xquerrail-framework.com/domain						
Annotations		Any declare namespaces associated with application domain. Any declared namespaces will automatically be associated with any instances created.						
Diagram	declare-namespace Type namespaceDeclar	declare-namespace Type namespaceDeclarationType a attributes prefix namespaceDeclarationType namespaceDeclarationType						
Туре	namespaceDeclarati	onType						
Properties	content:	complex						
	minOccurs:	minOccurs: 0						
	maxOccurs: unbounded							
Attributes	QName	Type	Fixed	Default	Use			
	namespace-uri				optional			
	prefix				optional			

${\bf Element}\;{\tt domainType}\;\;/\;\;{\tt default-collation}$

Namespace	http://www.xquerrail-framework.com/domain						
Annotations	The default collation of the associated application used in search context when defining range elements						
Diagram	default-collation Type xs:string xs:string						
Туре	xs:string						
Properties	content: simple						

minOccurs:	0	
maxOccurs:	1	

Element domainType / model



Attributes	QName	Type	Fixed	Default	Use		
	class	xs:string			optional		
		I		els to be associate based on class at	_		
	description	xs:string			optional		
		Description of model that can be used for help context					
	extends	xs:IDREF			optional		
		from another mod fields common for a set	el, usually fo of domain mode single level e	or the purposes of els. It is importa	inherit data fields defining a core set on the to note that the can define a A extends		
	key	xs:string			optional		
		Is the key attribute associated with Lookup references. The key when used as type="reference" Will add this attribute uuid					
	keyLabel	xs:string			optional		
		The keyLabel attribute defines the human readable value used when defining reference or lookup values. This value is used with the key attribute to ensure you have an id/name association for each reference or lookup.					
	label	xs:string			optional		
		Is the human readable name presented in UI context					
	name	xs:ID			optional		
		Name of domain model ie. name="customer" <customer>other elementattribute container </customer>					
	namespace	xs:anyURI			optional		
		Namespace associated with domain model. Namespace will override any content-namespace definition associated with domain and children will inherit namespace from model namespace.					
	persistence	restriction of xs:string			optional		
		Defines the persistence mechanism for a given model. The possible values are abstract(not persistent), document(all instances in a single document), directory(one instance per document) singleton(only one instance per database)					

Element contentModelTypeGroup / directory

Namespace	http://www.xquerrail-fr	http://www.xquerrail-framework.com/domain				
Annotations	stored. The directory show include the leadi (:WARNING:) Origin	When persistence="directory" defines the directory for which the model instance will be stored. The directory should be in the form of /directory1/directory2/. Note: It is important to include the leading and following "/" character. (:WARNING:) Original directory supported the string expansion syntax, but has been deprecated for defining the directory structure.				
Diagram	directory Type restriction of 'xs:string' ○ restricts: xs:string ○					
Туре	restriction of xs:string					
Properties	content:	simple				
	minOccurs:	0				
	maxOccurs:	1				
Facets	pattern	(http:/)?/.*/				

Element contentModelTypeGroup / document

1		http://www.xquerrail-framework.com/domain	
---	--	---	--

Annotations	When persisten	When persistence="document" defines the uri for the document.					
Diagram	document Type extension of 'xs	document Type extension of 'xs:string' a attributes root Type xs:QName					
Туре	extension of xs:str	ing					
Properties	content:	complex					
	minOccurs:	0					
	maxOccurs:	1					
Attributes	QName	Туре	Fixed	Default	Use		
	root	xs:QName			optional		
		can only have a will usually be to	single root node.	The root attribut of the model, suc			

Element contentModelTypeGroup / binaryDirectory

Namespace	http://www.xquerrail-fr	ramework.com/domain
Annotations	be set. If any fields are	defined as "binary" and do not include the fileUri attribute. Any cances will be stored in this directory by default.
Diagram	binaryDirectory Type restriction of 'xs:string	y ⊝——(restricts: xs:string) ⊙
Туре	restriction of xs:string	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Facets	pattern	/.*/

Element modelType / declare-namespace

Namespace	http://www.xquerrail	http://www.xquerrail-framework.com/domain						
Annotations	model instance. Namespace declar	Declares a namespace for a given model. Namespace declarations will be added to each model instance. Namespace declarations from domain are merged and added to the root node of the element. Example: (:NEEDED:)						
Diagram	declare-namespace Type namespaceDeclara	declare-namespace Type namespaceDeclarationType a attributes prefix namespaceDeclarationType namespace-uri						
Туре	namespaceDeclaration	пТуре						
Properties	content:	complex						
	minOccurs:	minOccurs: 0						
	maxOccurs: unbounded							
Attributes	QName	Туре	Fixed	Default	Use			
	namespace-uri				optional			
	prefix				optional			

Element modelType / collection

Namespace	http://www.xquerrail-framework.com/domain
Annotations	Adds collections to instance documents stored in database. Collections can take advantage of expansion notation \$(field) to construct custom collections based on content stored with a given model
Diagram	Collection Type xs:string Type xs:string
Type	xs:string
Properties	content: simple
	minOccurs: 0
	maxOccurs: unbounded

Element modelType / import-model

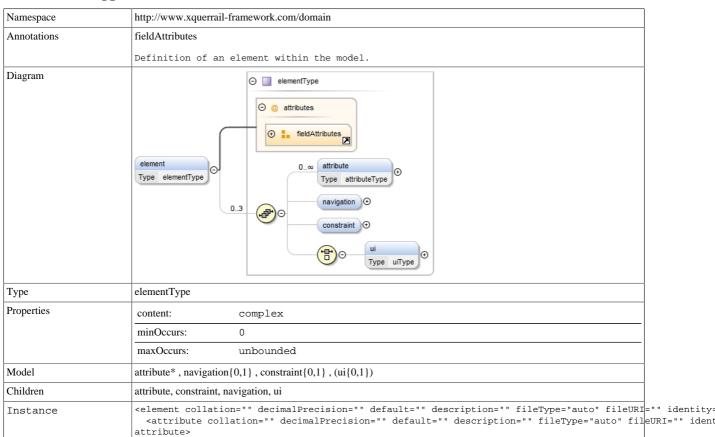
Namespace	http://www.xquerrail-framework.com/domain					
Annotations	Imports manual module definitions for references and calling functions within the domain model Example: (:NEEDED:)					
Diagram	import-model 🗇 💮 importModelAttributes					
Properties	content:	complex				
	minOccurs:	0				
	maxOccurs: unbounded					
Attributes	QName	Туре	Fixed	Default	Use	
	name	xs:Name			optional	

${\bf Element} \; {\tt modelType} \; \; / \; \; {\tt navigation}$

Namespace	http://www.xquerra	http://www.xquerrail-framework.com/domain					
Annotations	Defines navigational context associated with the model. The navigation element controls how information from model are displayed listed able to be modifed from the UI or REST interface.						
Diagram	navigation 🗇 attributes mavigation 🗇 modelNavigationAttributes						
Properties	content:	complex					
	minOccurs: 0						
	maxOccurs: unbounded						
Attributes	QName	Туре	Fixed	Default	Use		
	editable	xs:boolean			optional		
		Determines if a model can create a editable instance usually through edit/post operation from ui context					
	exportable	xs:boolean			optional		
		Determines wether model will support export. Not implemented but useful for controlling hooks in application code					
	findable	xs:boolean			optional		
		Determines if a m	odel can use finda	ble model features			
	importable	xs:boolean			optional		
			Determines wether model will support import. Not implemented but useful for controlling hooks in application code				

QName	Type	Fixed	Default	Use		
listable	xs:boolean			optional		
	Determines if a m	odel can be listed	such as within a l	base index.		
newable	xs:boolean			optional		
	Determines if a m	odel can create a mom ui context	new instance usual	ly through new or		
pageSize	xs:integer			optional		
	using list featu	Determines the default page size for list values when returned using list features. Lists will override any default values from configuration or code.				
removable	xs:boolean			optional		
	Determines if a model can create a instance can be removed via or remove operation from UI context					
searchable	xs:boolean			optional		
	Determines if the model is searchable.					
securable	xs:boolean			optional		
		must pass certific t been implemented rity hooks		_		
showable	xs:boolean			optional		
	Determines if a m	odel can support s	howing instances in	n ui context		
sortField	xs:NCName			optional		
	Determine the def	ault sortField whe	n returning list r	esults.		
sortOrder	restriction of xs:string			optional		
	Determines the de list results.	fault order in whi	ch documents will l	be returned from		
sortable	xs:boolean			optional		
	Determines if the results of a list can be sorted dynamically within ui context					

Element modelType / element



	navigation>	List="" maxLength="		findable="" impo	e="" pattern="" requi
Attributes	QName	Туре	Fixed	Default	Use
	collation	xs:anyURI			optional
		Overrides the def are resolved aga collation	ault collation of inst the collatio	n defined on the	ensures any queries field. This
	decimalPrecision	xs:integer			optional
			If not set the v	_	on of a field whose mal will not be
	default	xs:string			optional
		default attribute	defines the defa alue is specified		hen creating a new
	description	xs:string General descripti	on or help contex	t for a given fi	optional
	fileType	fieldFileType		auto	optional
		If type="binary"	e associated with	ows to restrict	what type of files ossible values are
	fileURI	xs:anyURI			optional
		use special \$(fi		namically genera	ed. The fileUri may te the uri based on
	identity	xs:boolean			optional
					lumn. It is common to where a unique value
		only required, bu	t is not of type=	"identity".	
	label	only required, but xs:string	it is not of type=	"identity".	optional
	label	xs:string The label is the		me of the elemen	optional t used in UI such as
	label	xs:string The label is the	human readable na	me of the elemen	
		xs:string The label is the defining the lab xs:Name	human readable na	me of the elemen	optional
		xs:string The label is the defining the lab xs:Name	human readable na bel in an html for	me of the elemen	optional
	name	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace wandel	human readable na bel in an html for for a given field space for a given	me of the elemen m. (element attribu field(element at inherited namesp	optional te container). optional tribute container). aces, but unlike the
	name	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace wandel	human readable na bel in an html for for a given field space for a given vill override any	me of the elemen m. (element attribu field(element at inherited namesp	optional te container). optional tribute container). aces, but unlike the
	name	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace w model namespace will not restriction of xs:string Defines the number so to have multiple	human readable na pel in an html for for a given field space for a given will override any out override child er of instances ca pple values based more "*" = 0 to ma	me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r	optional tribute container). optional tribute container). aces, but unlike the optional with the given field ules of XQuery. "?" =
	name	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace w model namespace will not restriction of xs:string Defines the numbe so to have multing or 1 "+" = 1 or model	human readable na pel in an html for for a given field space for a given will override any out override child er of instances ca pple values based more "*" = 0 to ma	me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r	optional tribute container). optional tribute container). aces, but unlike the optional with the given field ules of XQuery. "?" =
	name namespace occurrence	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace will not restriction of xs:string Defines the number so to have multiple of 1 "+" = 1 or more defining this at the prefit of the prefit of the prefit of the prefit of the label is	human readable na pel in an html for for a given field space for a given pill override any of override child er of instances ca ple values based more "*" = 0 to ma ttribute	me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r ny "1" = only 1 the namespace f	optional tused in UI such as optional te container). optional tribute container). aces, but unlike the optional with the given field ules of XQuery. "?" =
	name namespace occurrence	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace will not restriction of xs:string Defines the number so to have multiple of 1 "+" = 1 or more defining this at the prefit of the prefit of the prefit of the prefit of the label is	human readable na bel in an html for for a given field space for a given rill override any bet override child er of instances ca ple values based more "*" = 0 to ma ctribute .x associated with	me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r ny "1" = only 1 the namespace f	optional tused in UI such as optional te container). optional tribute container). aces, but unlike the optional with the given field ules of XQuery. "?" = or same as not optional
	name namespace occurrence prefix	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace will not restriction of xs:string Defines the number so to have multifultion or 1 "+" = 1 or modefining this at the form: prefix the form: prefix xs:string If the type="reference notation: \$type: model:countryCode defined by callifulting the responsibility."	human readable na bel in an html for for a given field space for a given vill override any bet override child er of instances ca ple values based more "*" = 0 to ma tribute ex associated with t="dc" = <dc:field -="" cal="" exercicle="" idref:functor="" ing="" reference="" speci="" t:reference="" td="" the="" then="" to<="" ty="" will=""><td>me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r ny "1" = only 1 the namespace f Name fying the refere led to resolve t resolve the ref function. The re</td><td>optional tribute container). optional tribute container). acces, but unlike the optional with the given field ules of XQuery. "?" = or same as not optional or a field will have optional nce used simple</td></dc:field>	me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r ny "1" = only 1 the namespace f Name fying the refere led to resolve t resolve the ref function. The re	optional tribute container). optional tribute container). acces, but unlike the optional with the given field ules of XQuery. "?" = or same as not optional or a field will have optional nce used simple
	name namespace occurrence prefix	xs:string The label is the defining the lab xs:Name Defines the name xs:anyURI Defines the names This namespace will not restriction of xs:string Defines the number so to have multifultion or 1 "+" = 1 or modefining this at the form: prefix the form: prefix xs:string If the type="reference notation: \$type: model:countryCode defined by callifulting the responsibility."	human readable na bel in an html for for a given field space for a given vill override any bet override child er of instances ca ple values based more "*" = 0 to ma tribute ex associated with t="dc" = <dc:field -="" cal="" exercicle="" idref:functor="" ing="" reference="" speci="" t:reference="" td="" the="" then="" to<="" ty="" will=""><td>me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r ny "1" = only 1 the namespace f Name fying the refere led to resolve t resolve the ref function. The re</td><td>optional telcontainer). optional tributelcontainer). acces, but unlike the optional with the given field ules of XQuery. "?" = or same as not optional or a field will have optional nce used simple the reference ie. erence from a model ference function is</td></dc:field>	me of the elemen m. (element attribu field(element at inherited namesp field namespaces n be associated on cardinality r ny "1" = only 1 the namespace f Name fying the refere led to resolve t resolve the ref function. The re	optional telcontainer). optional tributelcontainer). acces, but unlike the optional with the given field ules of XQuery. "?" = or same as not optional or a field will have optional nce used simple the reference ie. erence from a model ference function is

$\textbf{Element} \; \texttt{elementType} \; \; / \; \; \texttt{attribute}$

Namespace	http://www.xquerrail-	framework.com/domain						
Namespace Diagram Type Properties	http://www.xquerrail-	● attributeType ● ② attributes ● ● fieldAttribut						
	minOccurs:	0						
	maxOccurs:	unbounded						
Model Children	navigation {0,1}, conscious	$straint{0,1}, (ui{0,1})$	{0,1}, (ui{0,1})					
Instance	<pre><navigation edi="" navigation=""></navigation></pre>	itable="" exportable	e="" facetable="" f	findable="" importa	ileType="auto" fileT able="" listable="" "" pattern="" requin			
Attributes	QName	Туре	Fixed	Default	Use			
	collation	xs:anyURI			optional			
	decimalPrecision	are resolved aga	fault collation of ainst the collation e any collations of	n defined on the fi				
	decimal recision	(:NOT-IMPLEMENTED	D:) determines the . If not set the va precision.	-	of a field whose			
	default	xs:string			optional			
			e defines the defau value is specified		=			
	description	xs:string			optional			
			ion or help context	1	T			
	fileType		then fileType allo be associated with auto)					
	fileURI	xs:anyURI	1	T	optional			
		use special \$(fi	he URI for the asse ield) syntax to dyn ciated with any fie	namically generate	-			
	· ·			_				
	identity	xs:boolean			optional			
	identity	Determines whethe use this value w		le enumerations, wh	optional m. It is common to lere a unique value			
	identity	Determines whethe use this value w	when defining simpl	le enumerations, wh	nn. It is common to			
		Determines whethe use this value w is only required, bu xs:string The label is the	when defining simpl	le enumerations, wh "identity". me of the element u	nn. It is common to here a unique value			
		Determines whethe use this value w is only required, bu xs:string The label is the	when defining simplut is not of type="	le enumerations, wh "identity". me of the element u	nn. It is common to here a unique value			

efines the names; This namespace wandel amespace will no striction of xs:string efines the numbers so to have multip	pace for a given field() pace for a given fill override any in the control of th	ield(element attril nherited namespaces ield namespaces be associated with	optional bute container) s, but unlike the optional the the given field of the given fie
efines the names; This namespace w model amespace will no striction of xs:string efines the numbe; so to have multi;	ill override any into the control of	nherited namespaces ield namespaces be associated with a cardinality rules	optional h the given field of XQuery. "?
This namespace windel amespace will no striction of xs:string efines the number so to have multip	ill override any into the control of	nherited namespaces ield namespaces be associated with a cardinality rules	optional h the given field of XQuery. "?
efines the number so to have multip	l r of instances can ple values based on	n cardinality rule	h the given field of XQuery. "?
so to have multi)	ple values based o	n cardinality rule	s of XQuery. "?
defining this at		y "1" = only 1 or :	same as not
:NCName			optional
	x associated with = "dc" = <dc:fieldna< td=""><td></td><td>a field will hav</td></dc:fieldna<>		a field will hav
::string			optional
If the type="reference" then specifying the reference used simple notation: \$type:IDREF:functor called to resolve the reference ie. model:countryCode:reference - will resolve the reference from a model defined by calling the reference function. The reference function is the responsiblity to take a value and resolve it to the appropriate reference information			
a varac ana .			optional
1	efined by calli he responsiblit	efined by calling the reference f he responsiblity to ke a value and resolve it to the	efined by calling the reference function. The reference responsiblity to

Element attributeType / navigation

Namespace	http://www.xquerr	http://www.xquerrail-framework.com/domain						
Diagram	navigation 🗇	attributes • fieldNavigationAttribute	25 🗷					
Properties	content:	complex						
	minOccurs:	0						
	maxOccurs:	1						
Attributes	QName	Туре	Fixed	Default	Use			
	editable	xs:boolean			optional			
		Determines if a field value can be changed when creating operation(form edit post).						
	exportable	xs:boolean			optional			
		Determines if a field can be exported. Not implemented but useful hook for application code handling export						
	facetable	xs:boolean			optional			
	Determines if a field will be faceted within a search:search semantics							
	findable	xs:boolean			optional			
		Determines if	a field can use f	indable features	in framework.			
	importable	xs:boolean			optional			
		Determines if a field can be imported. Not implemented but useful hook for application code handling import						
	listable	xs:boolean			optional			
		Determines if a	a field value wil	l appear in list	results			
	newable	xs:boolean			optional			
		Determines if a instance.	a field value can	be changed when	creating a new			
	removable	xs:boolean			optional			
		Determines if a	a field value can	be removed from	application.			
	searchType	restriction of xs:str	ing		optional			

QName	Type	Fixed	Default	Use		
Defines the type of cts:search the field will use when performin search operations						
searchable	xs:boolean			optional		
	Determines if field is searchable using search:search semantics found by a field within a given search					
securable	xs:boolean			optional		
	Determines wether field value can be secured through navigation context. Not implemented but useful for hook in application code.					
showable	xs:boolean			optional		
Determines if a field will be shown or present when perfo show edit new operations.						
sortable	xs:boolean			optional		
	Determines if a f	ield can be used in	n sort operations	1		

Element attributeType / constraint

Namespace	http://www.xquerrail-framework.com/domain						
Annotations	Defines constr further detai		ven attribute def	inition (see co	onstraintAttributes for		
Diagram	constraint 🗇	attributes constraintAttributes					
Properties	content:	complex					
	minOccurs:	0					
	maxOccurs:	1					
Attributes	QName	Туре	Fixed	Default	Use		
	inList	xs:Name			optional		
		Defines which optionlist are possible values for a given field definition.					
	maxLength	xs:integer			optional		
		Defines the maximum length for a given field value					
	maxValue	xs:string			optional		
		Defines the maximum value for a given field value					
	minLength	xs:integer			optional		
		Defines the minimum length for a given field value					
	minValue	xs:string			optional		
		Defines the minimum value for a given field value					
	pattern	xs:string			optional		
		Defines a regex pattern to match for a given field value					
	required	xs:boolean			optional		
		Defines that a value for field definition is required when inserting/updating documents.					
	unique	xs:boolean		false	optional		
		Value must be unique within the field definition. Usually to ensure mutual exclusive value across a model' s instances					
	validator	restriction of xs:string			optional		
		Defines a custom given field valu		n that will be	called to validate the		

Element attributeType / ui

Namespace	http://www.xquerrail-framework.com/domain
Annotations	Defines the control over ui aspects of the attribute

Diagram	ui Type uiType	□ uïType □ attributes □ attributes □ attributes □ gridColumns □ gridColumn □ gridColumn □ gridColumn □ gridColumn						
Type	uiType							
Properties	content:	complex						
	minOccurs:	0						
	maxOccurs:	1						
Model	gridColumns grid	gridColumns gridColumn						
Children	gridColumn, gridC	gridColumn, gridColumns						
Instance	<gridcolumns< td=""><td colspan="5"></td></gridcolumns<>							
Attributes	QName	Туре	Fixed	Default	Use			
	class	xs:string			optional			
		Adds additional	Adds additional class attributes to input forms and containers					
	gridWidth	xs:integer			optional			
		Used when creat	ing grid/list co	olumns in list vie	ews			
	id	xs:Name			optional			
		Overrides id attributes in html forms.						
	label	xs:string			optional			
		Overrides field	/@label when cre	eating headers or	html <label></label> element	s		
	repeatable	xs:boolean			optional			
		Allows element	to be repeated i	n UI				
	type	uiFieldType			optional			
			Overrides default type from field/@type					

Element uiType / gridColumns

Namespace	http://www.xquerrail-framework.com/domain
Diagram	gridColumns Type gridColumnsType
Туре	gridColumnsType
Properties	content: complex
Model	gridColumn*
Children	gridColumn
Instance	<pre><gridcolumns> <gridcolumn displaytype="" editable="" edittype="" formatter="" gridcolumn="" index="" label="" name=""> </gridcolumn></gridcolumns></pre>

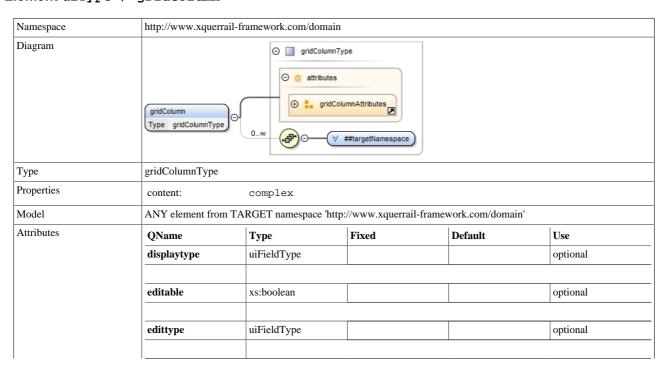
unformatter=

Element gridColumnsType / gridColumn

Namespace	http://www.xquerrail-framework.com/domain

Diagram	gridColumn Type gridColumnType	☐ gridCol ☐ attrib ☐ attrib			
Туре	gridColumnType				
Properties	content:	complex			
	minOccurs:	0			
	maxOccurs:	unbounded			
Model	ANY element from	TARGET namespace	'http://www.xquerrail	-framework.com/domaii	1'
Attributes	QName	Type	Fixed	Default	Use
	displaytype	uiFieldType			optional
			·		
	editable	xs:boolean			optional
	edittype	uiFieldType			optional
	formatter	xs:NCName			optional
	index	xs:string			optional
	label	xs:string			optional
	label	As.sumg			ориона
	name	xs:string			optional
				I	
	unformatter	xs:NCName			optional
			<u> </u>		

Element uiType / gridColumn



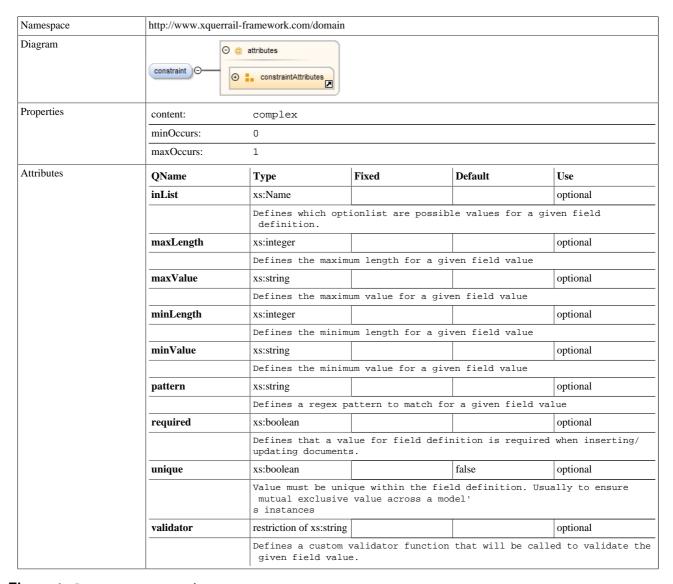
QName	Type	Fixed	Default	Use
formatter	xs:NCName			optional
index	xs:string			optional
label	xs:string			optional
			-	
name	xs:string			optional
unformatter	xs:NCName			optional

$\textbf{Element} \; \texttt{elementType} \; \; / \; \; \texttt{navigation}$

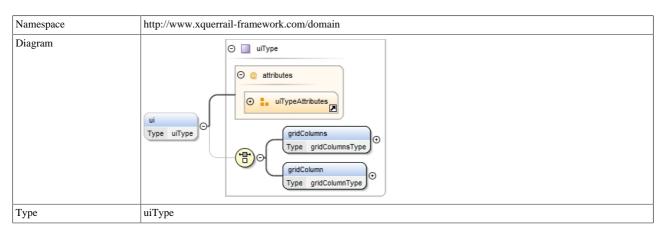
Namespace	http://www.xquerr	ail-framework.com/domain					
Diagram	navigation 🗇	attributes • in fieldNavigationAttributes					
Properties	content:	complex					
	minOccurs:	0					
	maxOccurs:	1					
Attributes	QName	Туре	Fixed	Default	Use		
	editable	xs:boolean			optional		
		Determines if a foperation(form e		changed when crea	ting a edit		
	exportable	xs:boolean			optional		
		I	ield can be expor-	ted. Not implemente	ed but useful hook		
	facetable	xs:boolean			optional		
		Determines if a f	ield will be face	ted within a search	h:search semantics		
	findable	xs:boolean			optional		
		Determines if a field can use findable features in framework.					
	importable	xs:boolean			optional		
			ield can be imported code handling imported important code handling important		ed but useful hook		
	listable	xs:boolean			optional		
		Determines if a f	ield value will a	ppear in list resu	lts		
	newable	xs:boolean			optional		
		Determines if a f instance.	ield value can be	changed when creat	ting a new		
	removable	xs:boolean			optional		
		Determines if a f	ield value can be	removed from appl	ication.		
	searchType	restriction of xs:string			optional		
			Defines the type of cts:search the field will use when performing search operations				
	searchable	xs:boolean			optional		
		I	ld is searchable within a given se	using search:search	h semantics or be		
	securable	xs:boolean			optional		
		I		be secured through ful for hook in ap			
	showable	xs:boolean			optional		

QName	Type	Fixed	Default	Use
	Determines if a fashow edit new oper		or present when pe	erforming get
sortable	xs:boolean			optional
	Determines if a f	ield can be used in	sort operations	

Element elementType / constraint



Element elementType / ui



Properties	content:	complex					
	minOccurs:	0					
	maxOccurs:	1					
Model	gridColumns grid	lColumn		·			
Children	gridColumn, gridC	gridColumn, gridColumns					
Instance	<gridcolumns< td=""><td>>{1,1}</td></gridcolumns<> <td></td> <td></td> <td>ndex="" label="" name=""</td>	>{1,1}			ndex="" label="" name=""		
Attributes	QName	Туре	Fixed	Default	Use		
1	class	xs:string			optional		
		Adds additional	Adds additional class attributes to input forms and containers				
	gridWidth	xs:integer			optional		
		Used when creat	Used when creating grid/list columns in list views				
	id	xs:Name			optional		
		Overrides id at	Overrides id attributes in html forms.				
	label	xs:string			optional		
		Overrides field	d/@label when creati	ng headers or h	html <label></label> elements		
	repeatable	xs:boolean			optional		
		Allows element	to be repeated in U	I	<u> </u>		
	type	uiFieldType			optional		
		Overrides defau	alt type from field/	@type			

Element modelType / attribute

Namespace	http://www.xquerrail-	http://www.xquerrail-framework.com/domain					
Annotations	Definition of an	Definition of an attribute within a given model					
Diagram	attribute Type attributeType	attributeType attributes attributes attributes attributes attributes attributes attributes attributes	ion ⊕				
Type	attributeType						
Properties	content:	content: complex					
	minOccurs:	minOccurs: 0					
	maxOccurs:	unbounded					
Model	navigation{0,1}, con	$navigation\{0,1\}\;,\; constraint\{0,1\}\;,\; (ui\{0,1\})$					
Children	constraint, navigation	, ui					
Instance	<pre><navigation edi="" navigation=""></navigation></pre>	table="" exportable	e="" facetable="" f	findable="" impor	fileType="auto" file table="" listable="" ="" pattern="" requi		
Attributes	QName	Туре	Fixed	Default	Use		
	collation	xs:anyURI			optional		
			ault collation of inst the collation				

QName	Type	Fixed	Default	Use
	does not override	any collations of	child elements	
decimalPrecision	xs:integer			optional
	1	:) determines the control of the value of th		
default	xs:string			optional
		defines the defau		_
description	xs:string			optional
	General description	on or help context	for a given field	
fileType	fieldFileType		auto	optional
	1	then fileType allow e associated with a auto)		
fileURI	xs:anyURI			optional
	use special \$(fi	e URI for the asse eld) syntax to dyn iated with any fie	amically generate	-
identity	xs:boolean			optional
	use this value wi		e enumerations, wh	n. It is common to ere a unique value
label	xs:string			optional
		numan readable name el in an html form		sed in UI such as
name	xs:Name			optional
	Defines the name	for a given field(element attribute	container).
namespace	xs:anyURI			optional
	This namespace w	pace for a given fill override any in	nherited namespace	'
occurrence	restriction of xs:string			optional
	so to have multip	ore "*" = 0 to man	n cardinality rule	s of XQuery. "?" =
prefix	xs:NCName			optional
		 x associated with		1 -
reference	xs:string			optional
	notation: \$type: model:countryCode defined by calli- the responsiblit	rence" then specification calli- ireference - will in the reference for the reference for the reference for the resolve it to the resolve	ed to resolve the resolve the refere unction. The refer	reference ie. nce from a model ence function is
type	dataType	. ,		optional
VPC	+	of element. See fi		1 -

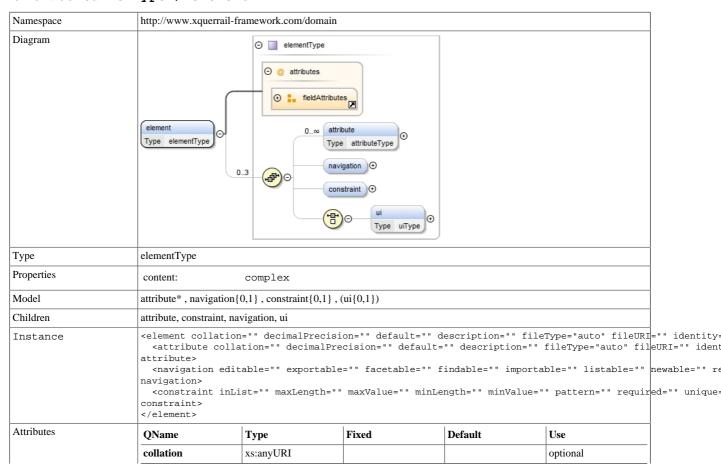
Element modelType / container

Namespace	http://www.xquerrail-framework.com/domain
Annotations	Containers are element definitions usually for structural composition within a model, this allows for nesting for elements that require additional structure for containment. Hence container.
	Containers also provide additional grouping features in building forms using the xQuerrail framework form-builder helper.

Diagram	container Type containerType	1∞ teler						
Type	containerType							
Properties	content:	complex						
	minOccurs:	minOccurs: 0						
	maxOccurs:	unbounded						
Model	element	element						
Children	element							
Instance		l="" name="" namespa ation="" decimalPred		t="" description=	"" fileType="auto" fileURI			
Attributes	QName	Type	Fixed	Default	Use			
	label	xs:string			optional			
		Human readable 1	Human readable label used in UI contexts					
	name	xs:QName			optional			
		Name of the cont	ainer element.					
	namespace	xs:anyURI			optional			
			pace of a given efined at this l		elements will inherit			

"" identit

Element containerType / element



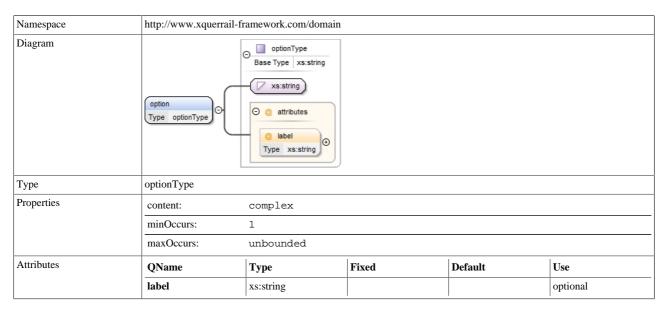
QName	Type	Fixed	Default	Use
	are resolved aga collation	ault collation of inst the collation any collations of	defined on the fi	
decimalPrecision	xs:integer			optional
	(:NOT-IMPLEMENTED	:) determines the of If not set the value of		of a field whose
default	xs:string			optional
		defines the defau		creating a new
description	xs:string			optional
	General description	on or help context	for a given field	
fileType	fieldFileType		auto	optional
	I	then fileType allow e associated with a auto)		
fileURI	xs:anyURI			optional
	use special \$(fi	e URI for the asse eld) syntax to dyn iated with any fie	amically generate	_
identity	xs:boolean			optional
label	is only required, bu xs:string The label is the	hen defining simplet is not of type=" human readable name	identity".	optional
		el in an html form		
name	xs:Name			optional
		for a given field(element attribute 	1
namespace	I	pace for a given f	 ield(element attri	optional
	model	ill override any into override child f		
occurrence	model			'
occurrence	model namespace will no restriction of xs:string Defines the number so to have multip	r of instances can ple values based or	ield namespaces be associated with a cardinality rule	optional h the given field s of XQuery. "?" =
	model namespace will no restriction of xs:string Defines the numbers to have multiple or 1 "+" = 1 or m	r of instances can ple values based or	ield namespaces be associated with a cardinality rule	optional h the given field s of XQuery. "?"
	model namespace will no restriction of xs:string Defines the numbers to have multipersonate of the control of t	r of instances can ple values based or	be associated with a cardinality rule y "1" = only 1 or a the namespace for	optional h the given field s of XQuery. "?": same as not
	model namespace will no restriction of xs:string Defines the numbers to have multipersonate of the control of t	r of instances can ple values based or ore "*" = 0 to many tribute x associated with	be associated with a cardinality rule y "1" = only 1 or a the namespace for	optional h the given field s of XQuery. "?": same as not
prefix	model namespace will no restriction of xs:string Defines the number so to have multip 0 or 1 "+" = 1 or modefining this at xs:NCName defines the prefix the form: prefix xs:string If the type="reference notation: \$type: model:countryCode defined by callip the responsibility	r of instances can ple values based of ore "*" = 0 to many tribute x associated with ="dc" = <dc:fieldno -="" :reference="" call="" for<="" idref:functor="" ing="" reference="" rence"="" specificity="" td="" the="" then="" will=""><td>be associated with cardinality rule y "1" = only 1 or a the namespace for a ame ying the reference ed to resolve the resolve the reference unction. The reference</td><td>optional h the given field of XQuery. "?" = same as not optional a field will have optional used simple reference ie. nce from a model ence function is</td></dc:fieldno>	be associated with cardinality rule y "1" = only 1 or a the namespace for a ame ying the reference ed to resolve the resolve the reference unction. The reference	optional h the given field of XQuery. "?" = same as not optional a field will have optional used simple reference ie. nce from a model ence function is
prefix	model namespace will no restriction of xs:string Defines the number so to have multip 0 or 1 "+" = 1 or modefining this at xs:NCName defines the prefix the form: prefix xs:string If the type="reference notation: \$type: model:countryCode defined by callip the responsibility	r of instances can ple values based or ore "*" = 0 to many tribute x associated with ="dc" = <dc:fieldno -="" :reference="" call="" from="" idref:functor="" ing="" o<="" of="" reference="" rence"="" specify="" td="" the="" then="" will=""><td>be associated with cardinality rule y "1" = only 1 or a the namespace for a ame ying the reference ed to resolve the resolve the reference unction. The reference</td><td>optional h the given field of XQuery. "?" = same as not optional a field will have optional used simple reference ie. nce from a model ence function is</td></dc:fieldno>	be associated with cardinality rule y "1" = only 1 or a the namespace for a ame ying the reference ed to resolve the resolve the reference unction. The reference	optional h the given field of XQuery. "?" = same as not optional a field will have optional used simple reference ie. nce from a model ence function is

Element modelType / optionlist

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	Defines an optionlist within a model instance. from which they are contained in.	OptionList's are scoped only to the model

	For global opti are model:opti		under the domain.	The syntax for ac	cessing an optionlist		
Diagram	optionlist Type optionListType	○ optionList	s onListAttributes				
Туре	optionListType						
Properties	content:	complex					
	minOccurs:	minOccurs: 0					
	maxOccurs:	unbounded					
Model	option+						
Children	option						
Instance		ld-element="" na ="">{1,unbounded					
Attributes	QName	Type	Fixed	Default	Use		
	child-element	xs:string			optional		
	name	xs:string			optional		
	type	dataType			optional		
			<u> </u>	1	1		

Element optionListType / option



Element modelType / hasMany

Namespace	http://www.xquerrail-framework.com/domain
Annotations	(:NOT-IMPLEMENTED:)allows the definition of 1 to many relationship between itself and another model.

Diagram	hasMany Type relationType	relationType attributes attributes	ipAttributes 🗾		
Туре	relationType				
Properties	content:	complex			
	minOccurs:	0			
	maxOccurs:	unbounded			
Attributes	QName	Type	Fixed	Default	Use
	create	referenceIntegrity			optional
	delete	referenceIntegrity			optional
	name	xs:Name			optional
	read	referenceIntegrity			optional
	reference	xs:string			optional
		Assumg			optional
	type	xs:string			optional
	update	referenceIntegrity			optional
			L	I	1 -

Element domainType / controller

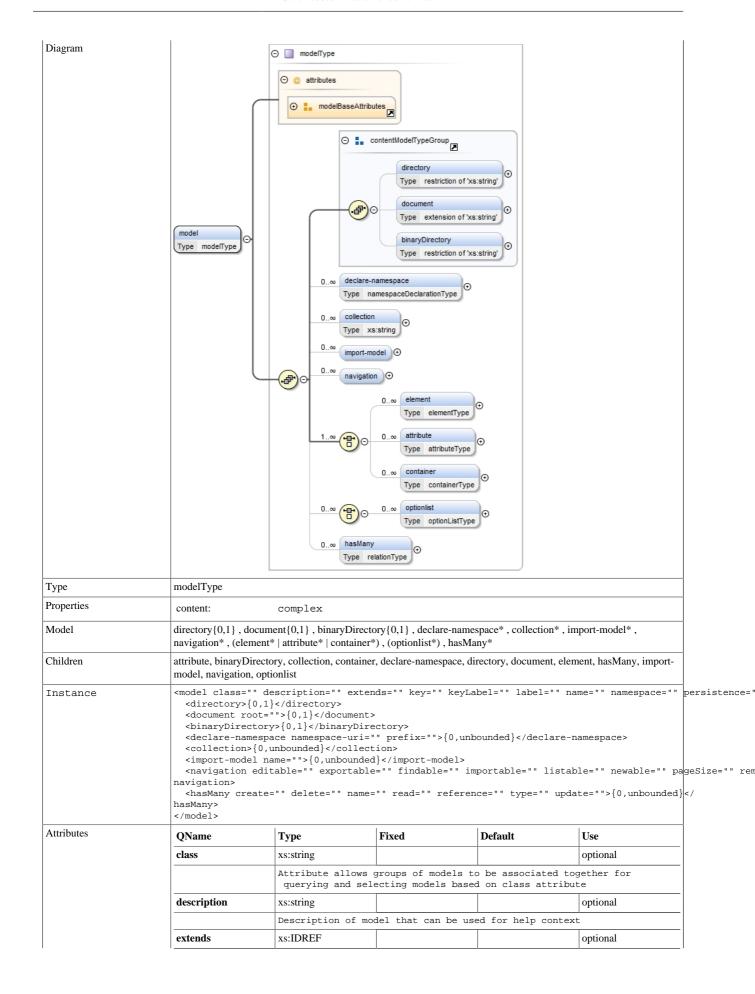
Namespace	http://www.xquerrail-f	http://www.xquerrail-framework.com/domain						
Annotations	Dynamic controll	Controller define dynamic web interfaces that inherit base functions from the framework. Dynamic controllers usually will manage one model and supports HTML/REST based interactions.						
Diagram	controller Type controllerType	controllerType attributes controllerE	laseAttributes 🗾					
Туре	controllerType	controllerType						
Properties	content: complex							
	minOccurs: 0							
	maxOccurs: unbounded							
Attributes	QName	Туре	Fixed	Default	Use			
	class	xs:NCName			optional			
	label	xs:string			optional			
	model	xs:IDREF			optional			
	name	xs:NCName			optional			

Element domainType / optionlist

Namespace	http://www.xquerra	http://www.xquerrail-framework.com/domain						
Annotations		optionlists are enumeration or keyvalue lists that are managed within the domain and can be used to restrict values for fields defined in models.						
Diagram	optionlist Type optionListType	○ optionList ○ attribute option 1	onListAttributes					
Туре	optionListType	optionListType						
Properties	content: complex							
	minOccurs: 0							
	maxOccurs:	maxOccurs: unbounded						
Model	option+							
Children	option							
Instance		ld-element="" na ="">{1,unbounded						
Attributes	QName	Type	Fixed	Default	Use			
	child-element	xs:string			optional			
	name	xs:string			optional			
	type	dataType			optional			

Element model

Namespace	http://www.xquerrail-framework.com/domain
	Models are objects or in relational terms tables that describe the structure of xml created. Models defined in the application domain can dynamically create new instances without the need of programmatically creating/update/deleting structure.



QName	Туре	Fixed	Default	Use			
	The extends attribute allows for the ability to inherit data fields from another model, usually for the purposes of defining a core set of fields common for a set of domain models. It is important to note that the extends is only single level extension. So you can define a A extends B, but not A extends B extends C						
key	xs:string			optional			
		ute associated with ference" Will add t					
keyLabel	xs:string			optional			
	defining referen	The keyLabel attribute defines the human readable value used when defining reference or lookup values. This value is used with the key attribute to ensure you have an id/name association for each reference or lookup.					
label	xs:string			optional			
	Is the human read	able name presented	d in UI context				
name	xs:ID			optional			
	Name of domain mo attribute contain	del ie. name="custo er	omer" <customer> .</customer>	other element			
namespace	xs:anyURI			optional			
	content-namespac	Namespace associated with domain model. Namespace will override any content-namespace definition associated with domain and children will inherit namespace from model namespace.					
persistence	restriction of xs:string			optional			
	Defines the persistence mechanism for a given model. The possible values are abstract(not persistent), document(all instances in a single document), directory(one instance per document) singleton(only one instance per database)						

Element controller

Namespace	http://www.xquerrail-framework.com/domain								
Annotations	application.	controller definitions allow domain model's to be managed and exposed from a web application. A controller provides dynamic scaffolding from a defined base controller within the xQuerRail framework.							
Diagram	Controller Type controllerType	controllerType controller Type controllerType controllerBaseAttributes controllerBaseAttributes							
Туре	controllerType	controllerType							
Properties	content:	content: complex							
Attributes	QName	Туре	Fixed	Default	Use				
	class	xs:NCName			optional				
	label	xs:string			optional				
	model	xs:IDREF			optional				
	name	xs:NCName			optional				

Element optionlist

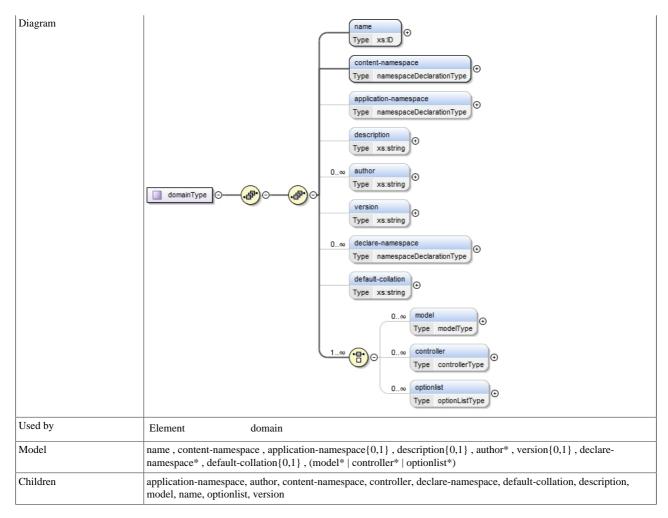
Namespace	http://www.xquerrail-framework.com/domain	
-----------	---	--

Annotations	models. optionlist's de		domain are global		globally or within
Diagram	optionlist Type optionListType	optionListTy attributes attributes attributes attributes	nListAttributes		
Туре	optionListType				
Properties	content:	complex			
Model	option+				
Children	option				
Instance		ld-element="" nar ="">{1,unbounded			
Attributes	QName	Туре	Fixed	Default	Use
	child-element	xs:string			optional
			1	1	1
	name	xs:string			optional
	type	dataType			optional
	туре	data i ype			ориона

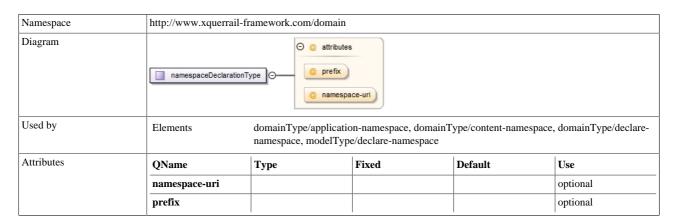
Complex Types

Complex Type domainType

Namespace	http://www.xquerrail-framework.com/domain
Annotations	Abstract Domain Type

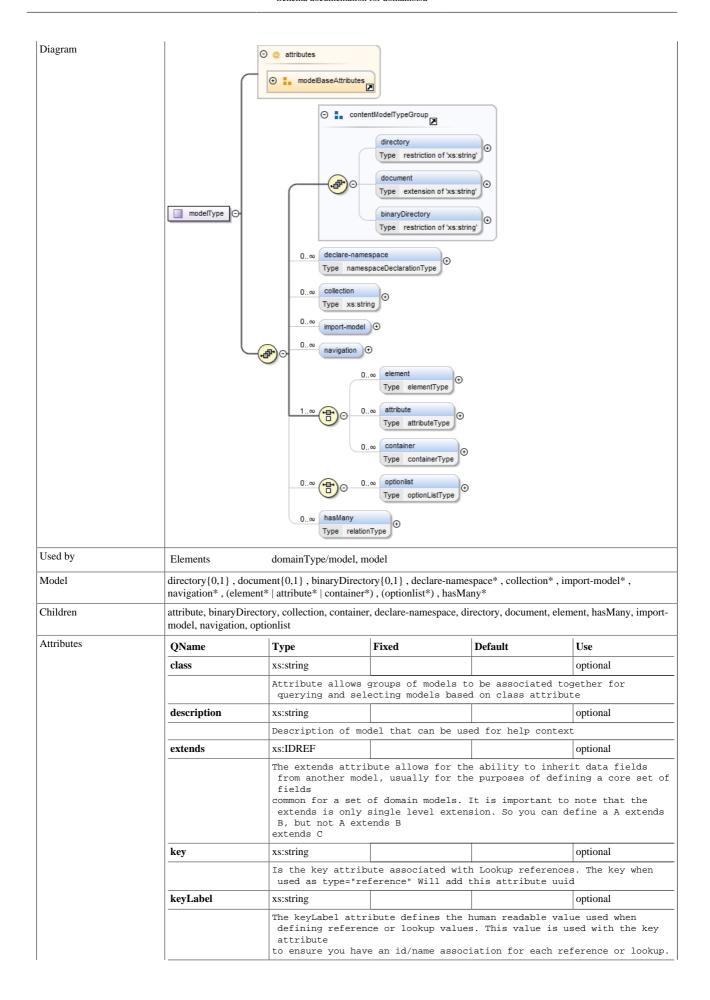


Complex Type namespaceDeclarationType



Complex Type modelType

Namespace	http://www.xquerrail-framework.com/domain



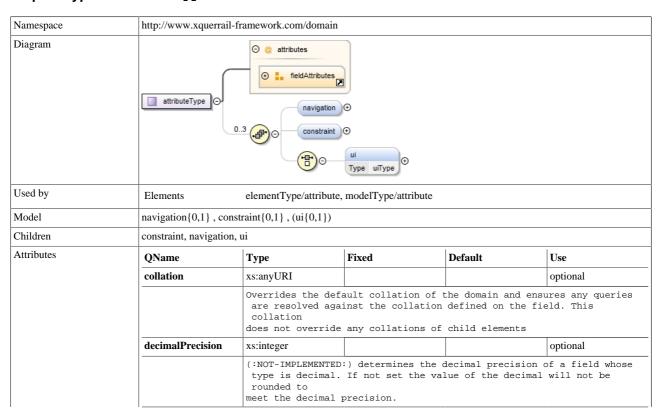
QName	Type	Fixed	Default	Use				
label	xs:string			optional				
	Is the human read	able name presented	d in UI context					
name	xs:ID			optional				
		Name of domain model ie. name="customer" <customer>other element attribute container </customer>						
namespace	xs:anyURI			optional				
	content-namespace	Namespace associated with domain model. Namespace will override any content-namespace definition associated with domain and children will inherit namespace from model namespace.						
persistence	restriction of xs:string			optional				
Defines the persistence mechanism for a given model. The post values are abstract(not persistent), document(all instances single document), directory(one instance per document) singleton(on instance per database)								

$\textbf{Complex Type} \ \mathtt{elementType}$

Namespace	http://www.xquerrail-	http://www.xquerrail-framework.com/domain					
Diagram	elementType	O∞ attributes O∞ attributes O∞ attribute Type a navigatio constrai	ttributeType				
Used by	Elements	containerType/elemen	t, modelType/element				
Model	attribute*, navigation	$n\{0,1\}$, constraint $\{0,1\}$,	(ui{0,1})				
Children	attribute, constraint, n	navigation, ui					
Attributes	QName	Туре	Fixed	Default	Use		
	collation	xs:anyURI			optional		
		Overrides the default collation of the domain and ensures any queries are resolved against the collation defined on the field. This collation does not override any collations of child elements					
	decimalPrecision	xs:integer			optional		
		(:NOT-IMPLEMENTED:) determines the decimal precision of a field whose type is decimal. If not set the value of the decimal will not be rounded to meet the decimal precision.					
	default	xs:string			optional		
		default attribute defines the default data value when creating a new instance or no value is specified during creation or update.					
	description	xs:string			optional		
		General descripti	on or help context	for a given field	·		
	fileType	fieldFileType		auto	optional		
			then fileType allo e associated with auto)				
	fileURI	xs:anyURI			optional		
		Location where the URI for the asset will be created. The fileUri may use special \$(field) syntax to dynamically generate the uri based on information associated with any field in the model.					

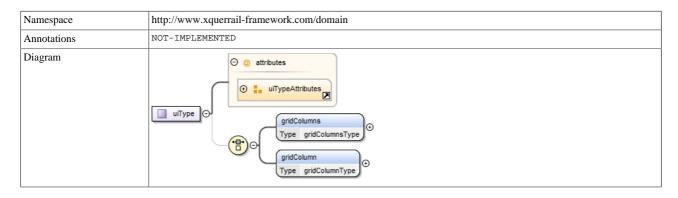
QName	Type	Fixed	Default	Use		
identity	xs:boolean			optional		
	use this value w	Determines whether a given field is an identity column. It is common to use this value when defining simple enumerations, where a unique value is only required, but is not of type="identity".				
label	xs:string			optional		
		The label is the human readable name of the element used in UI such as defining the label in an html form.				
name	xs:Name			optional		
	Defines the name	Defines the name for a given field(element attribute container).				
namespace	xs:anyURI			optional		
	This namespace w	Defines the namespace for a given field(element attribute container). This namespace will override any inherited namespaces, but unlike the model namespace will not override child field namespaces				
occurrence	restriction of xs:string	;		optional		
	so to have multi 0 or 1 "+" = 1 or m	Defines the number of instances can be associated with the given field so to have multiple values based on cardinality rules of XQuery. "?" = 0 or 1 "+" = 1 or more "*" = 0 to many "1" = only 1 or same as not defining this attribute				
prefix	xs:NCName			optional		
	_	<pre>defines the prefix associated with the namespace for a field will have the form: prefix="dc" = <dc:fieldname<></dc:fieldname<></pre>				
reference	xs:string			optional		
	notation: \$type: model:countryCode defined by calli the responsiblit	If the type="reference" then specifying the reference used simple notation: \$type:IDREF:functor called to resolve the reference ie. model:countryCode:reference - will resolve the reference from a model defined by calling the reference function. The reference function is the responsibility to take a value and resolve it to the appropriate reference information.				
type	dataType			optional		
	Defines the type	Defines the type of element. See fieldAttributeType enumeration.				

Complex Type attributeType



QName	Type	Fixed	Default	Use			
default	xs:string			optional			
			lt data value when during creation or	_			
description	xs:string			optional			
	General description	General description or help context for a given field.					
fileType	fieldFileType		auto	optional			
	If type="binary" then fileType allows to restrict what type of files are allowed to be associated with a given field Possible values are (xml,binary,text,auto)						
fileURI	xs:anyURI			optional			
	use special \$(fi		t will be created. amically generate ld in the model.	=			
identity	xs:boolean			optional			
	use this value wi	Determines whether a given field is an identity column. It is common to use this value when defining simple enumerations, where a unique value is only required, but is not of type="identity".					
label	xs:string			optional			
	The label is the human readable name of the element used in UI such as defining the label in an html form.						
name	xs:Name			optional			
	Defines the name	for a given field(element attribute	container).			
namespace	xs:anyURI			optional			
	This namespace w		ield(element attri nherited namespace ield namespaces				
occurrence	restriction of xs:string			optional			
	so to have multip 0 or 1 "+" = 1 or m	Defines the number of instances can be associated with the given field so to have multiple values based on cardinality rules of XQuery. "?" =					
prefix	xs:NCName			optional			
		defines the prefix associated with the namespace for a field will have the form: prefix="dc" = <dc:fieldname<></dc:fieldname<>					
reference	xs:string			optional			
	notation: \$type: model:countryCode defined by calli- the responsiblit	IDREF:functor call :reference - will ng the reference f y to	ying the reference ed to resolve the resolve the refere unction. The refer	reference ie. nce from a model ence function is			
type	dataType			optional			
	Defines the type of element. See fieldAttributeType enumeration.						

Complex Type uiType



Used by	Elements	attributeType/ui, elem	entType/ui			
Model	gridColumns grid	gridColumns gridColumn				
Children	gridColumn, gridC	gridColumn, gridColumns				
Attributes	QName	Туре	Fixed	Default	Use	
	class	xs:string			optional	
		Adds additional class attributes to input forms and containers				
	gridWidth	xs:integer			optional	
		Used when creating grid/list columns in list views				
	id	xs:Name			optional	
		Overrides id attributes in html forms.				
	label	xs:string			optional	
		Overrides field/@label when creating headers or html <label></label> elements				
	repeatable	xs:boolean			optional	
		Allows element to	Allows element to be repeated in UI			
	type	uiFieldType			optional	
		Overrides default	Overrides default type from field/@type			

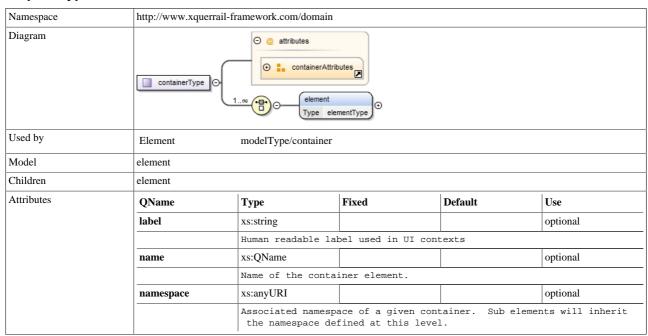
Complex Type gridColumnsType

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	NOT-IMPLEMENTED	
Diagram	gridColumnsType ⊙ 0∞ gridColumn Type gridColumnType ⊙	
Used by	Element uiType/gridColumns	
Model	gridColumn*	
Children	gridColumn	

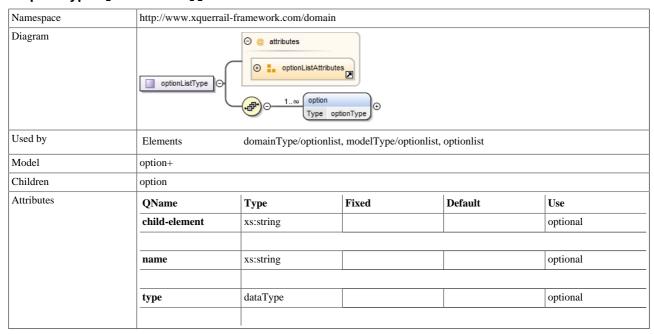
Complex Type gridColumnType



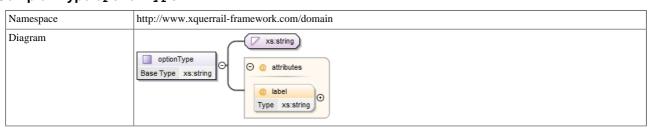
Complex Type containerType



Complex Type optionListType

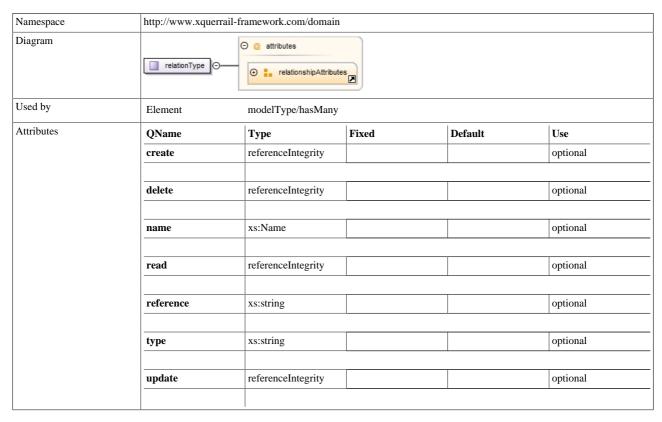


Complex Type optionType

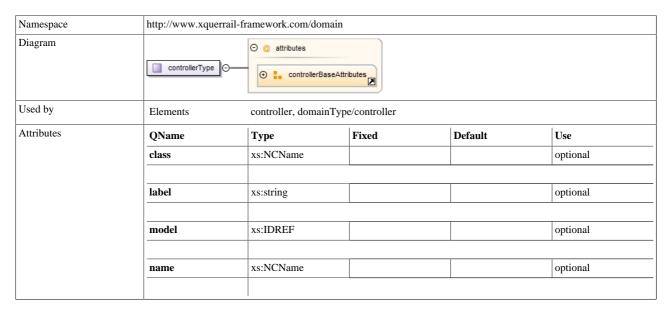


Туре	extension of xs:string				
Used by	Element optionListType/option				
Attributes	QName	ne Type Fixed Default Use			
	label	xs:string			optional

Complex Type relationType

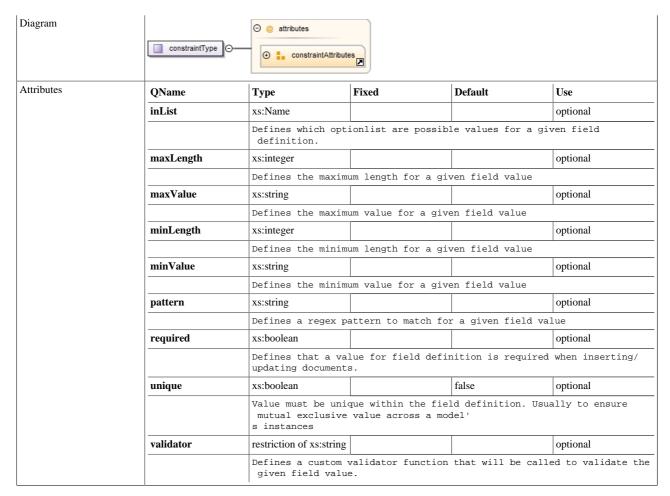


Complex Type controllerType



Complex Type constraintType

Namespace	http://www.xquerrail-framework.com/domain
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Simple Types

Simple Type uiFieldType

Namespace	http://www.xquerra	http://www.xquerrail-framework.com/domain		
Annotations	initialize a j	Custom UI Types that can be associated with widgets. By setting type will override or initialize a javascript context for creating widgets Note some of the overrides may not be supported from field/@type default rendering.		
Diagram	uiFieldType) —	□ uiFieldType ⊙ □ xs:Name		
Туре	restriction of xs:Na	me		
Facets	enumeration	textbox		
	enumeration	textarea		
	enumeration	selectbox		
	enumeration	checkbox		
	enumeration	fileupload		
	enumeration	grid		
	enumeration	datepicker		
	enumeration	datepager		
	enumeration	timepicker		
	enumeration	code-editor		
	enumeration	html-editor		
	enumeration	slider		
	enumeration	radiolist		
	enumeration	checkboxlist		
	enumeration	list		

	enumeration	rating
	enumeration	inputmask
	enumeration	model
	enumeration	hidden
	enumeration	text
	enumeration	password
Used by	Attributes	gridColumnAttributes/@displaytype, gridColumnAttributes/@edittype, uiTypeAttributes/ @type

Simple Type dataType

Namespace	http://www.xquerr	http://www.xquerrail-framework.com/domain		
Annotations		Defines the value type for a given field. Many fields map to their xs type equivalent of specifically to a marklogic internal type		
Diagram	☐ dataType ☐ ☐	dataType) — (xs:string)		
Туре	restriction of xs:str	ing		
Facets	enumeration	string	String value (xs:string)	
	enumeration	integer	Integer Value (xs:integer)	
	enumeration	long	Long Value (xs:long)	
	enumeration	decimal	Decimal Value (xs:decimal)	
	enumeration	double		
	enumeration	float		
	enumeration	boolean		
	enumeration	anyURI		
	enumeration	date		
	enumeration	dateTime		
	enumeration	time		
	enumeration	duration		
	enumeration	yearMonth		
	enumeration	monthDay		
	enumeration	binary		
	enumeration	identity		
	enumeration	reference		
	enumeration	instance-of		
	enumeration	update-timesta	mp	
	enumeration	update-user		
	enumeration	create-timesta	mp	
	enumeration	create-user		
	enumeration	file		
	enumeration	schema-element		
	enumeration	query		
	enumeration	point		
Used by	Attributes	fieldAttributes/@type	e, optionListAttributes/@type	

Simple Type fieldFileType

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	Defines the available formats for binary/file field types	
Diagram	fieldFileType O xs:string	

Type	restriction of xs:str	restriction of xs:string		
Facets	enumeration	auto	Uses builtin detection to serialize/ deserialize type	
	enumeration	binary	Defines the element will be stored as binary only	
	enumeration	xml	Defines the underlying file/binary field is xml	
	enumeration	text	Defines the underlying file/binary field is text	
Used by	Attribute	fieldAttributes/@fileType		

Simple Type referenceIntegrity

Namespace	http://www.xquerrail-framework.com/domain		
Annotations	NOT-IMPLEMENTED		
Diagram	referenceIntegrity) O xs:string		
Туре	restriction of xs:string		
Facets	enumeration	cascade	
	enumeration	notify	
	enumeration	none	
Used by	Attributes	relationshipAttributes/@create, relationshipAttributes/@delete, relationshipAttributes/ @read, relationshipAttributes/@update	

Simple Type matcherType

Namespace	http://www.xquerrail-framework.com/domain		
Annotations	NOT-IMPLEMENTED Support common matching patterns		
Diagram	matcherType O xs:string		
Туре	restriction of xs:string		
Facets	enumeration	email	
	enumeration	url	
	enumeration	ssn	
	enumeration	uuid	
	enumeration	creditCard	
	enumeration	custom	

Simple Type identityType

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	NOT-IMPLEMENTED	
Diagram	identityType)	
Туре	restriction of xs:string	
Facets	enumeration guid	
	enumeration random	
	enumeration timestamp	

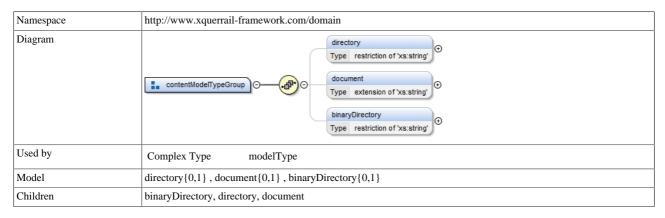
$\textbf{Simple Type} \ \mathtt{uiContainerType}$

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	Defines the container Type within UI for container fields.	

Diagram	□ uiContainerType ○ □ xs:Name
Type	restriction of xs:Name
Facets	enumeration panel

Element Groups

Element Group contentModelTypeGroup



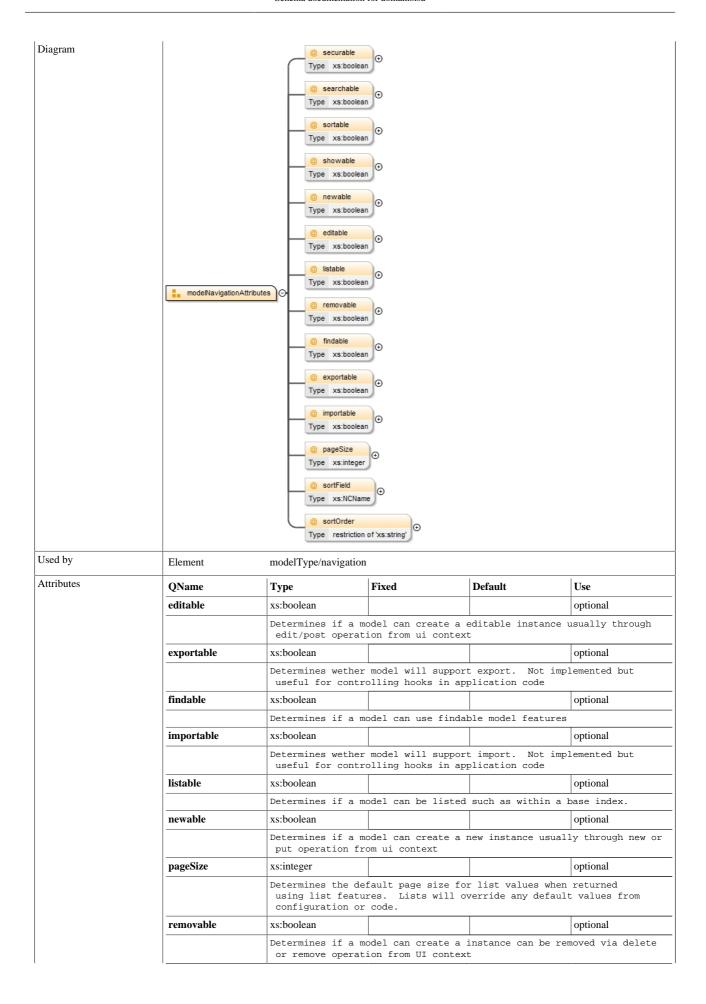
Attribute Groups

Attribute Group importModelAttributes

Namespace	http://www.xquerrail-framework.com/domain					
Diagram	importModelAttributes Type xs:Name					
Used by	Element modelType/import-model					
Attributes	QName	Type Fixed Default Use				
	name	xs:Name optional				

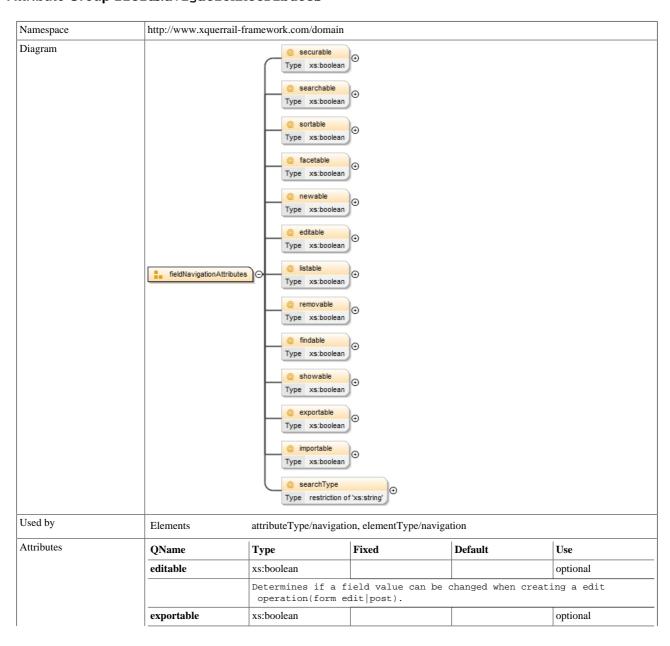
Attribute Group modelNavigationAttributes

Namespace	http://www.xquerrail-framework.com/domain
Annotations	Defines the navigational context for a model. The navigation context determines how models will be allowed to perform actions based on various attributes associated with the navigation context. Typically controls if model supports searching, editing, creating and deleting instances from UI. or REST based services



QName	Туре	Fixed	Default	Use	
searchable	xs:boolean			optional	
	Determines if the	model is searchab	le.		
securable	xs:boolean			optional	
		el must pass certification of the security model. The not been implemented but is useful for definition for curity hooks			
showable	xs:boolean	optional			
	Determines if a m	model can support showing instances in ui context			
sortField	xs:NCName	optional			
	Determine the def	default sortField when returning list results.			
sortOrder	restriction of xs:string			optional	
	Determines the de list results.	default order in which documents will be returned from			
sortable	xs:boolean			optional	
	Determines if the results of a list can be sorted dynamically within u context				

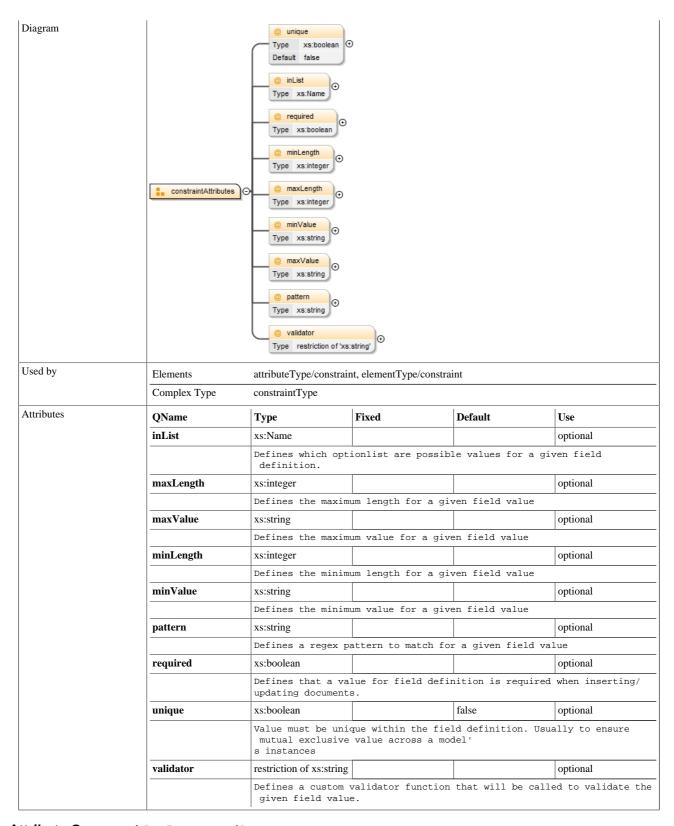
Attribute Group fieldNavigationAttributes



QName	Туре	Fixed	Default	Use	
	Determines if a field can be exported. Not implemented but useful hook for application code handling export				
facetable	xs:boolean			optional	
	Determines if a f	ield will be facet	ed within a search	:search semantics	
findable	xs:boolean			optional	
	Determines if a f	ield can use finda	ble features in fr	amework.	
importable	xs:boolean			optional	
		ield can be import code handling impo	ed. Not implemente	d but useful hook	
listable	xs:boolean			optional	
	Determines if a f	ield value will ap	pear in list resul	ts	
newable	xs:boolean			optional	
	Determines if a f instance.	Determines if a field value can be changed when creating a new instance.			
removable	xs:boolean			optional	
	Determines if a f	ield value can be	removed from appli	cation.	
searchType	restriction of xs:string			optional	
	Defines the type search operation		field will use whe	n performing	
searchable	xs:boolean			optional	
		ld is searchable u within a given se	sing search:search	semantics or be	
securable	xs:boolean			optional	
			e secured through : ul for hook in app	2	
showable	xs:boolean			optional	
	Determines if a field will be shown or present when performing get show edit new operations.			erforming get	
sortable	xs:boolean			optional	
	Determines if a f	ield can be used i	n sort operations	1	

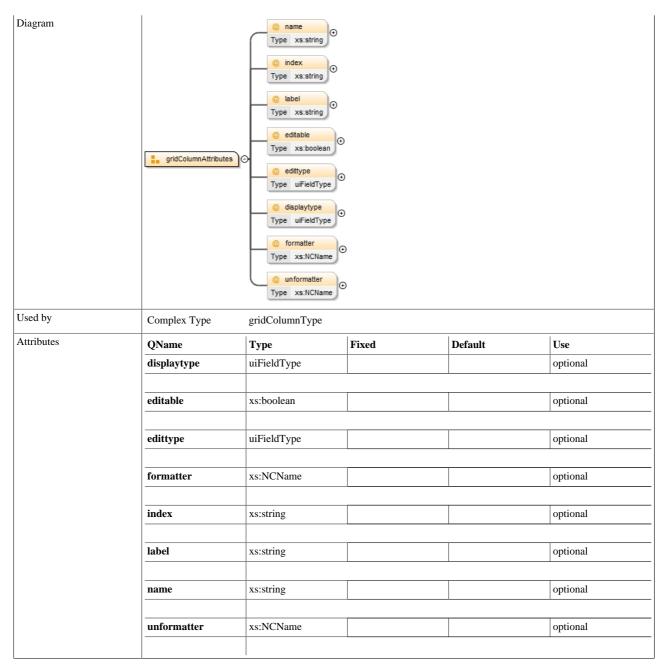
Attribute Group constraintAttributes

Namespace	http://www.xquerrail-framework.com/domain			
Annotations	Defines constraints associated with field definitions. Controls validation routines and UI validation contexts			



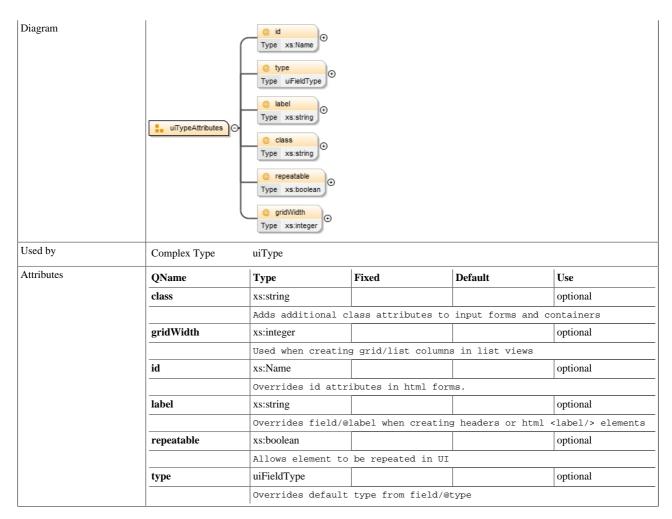
Attribute Group gridColumnAttributes

|--|



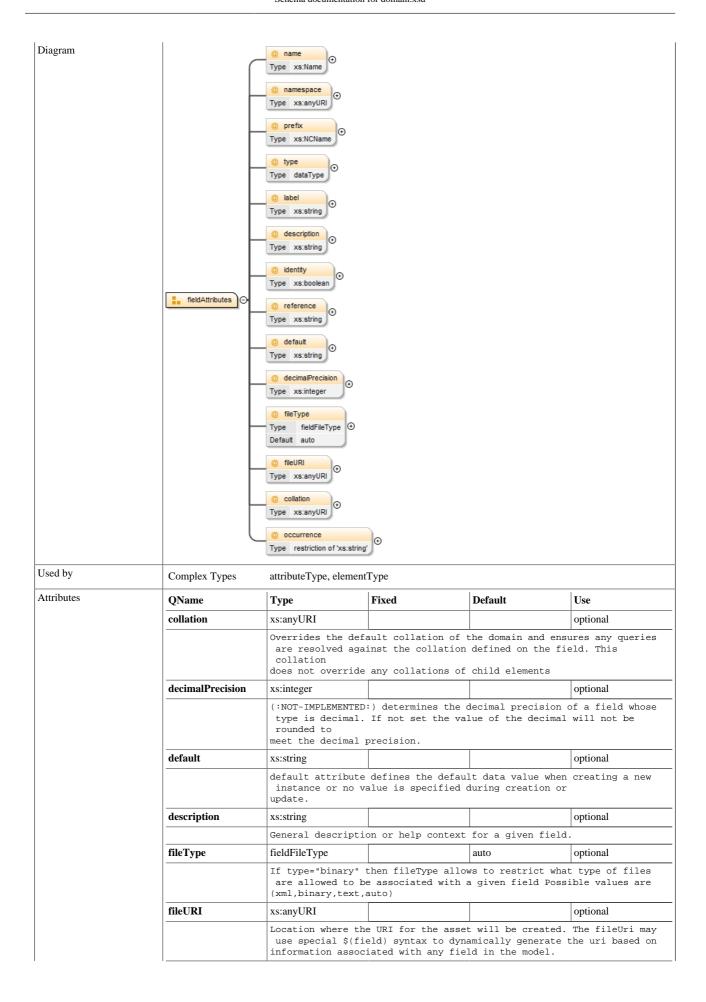
Attribute Group uiTypeAttributes

Namespace	http://www.xquerrail-framework.com/domain	
Annotations	Defines attributes associated with ui field navigation context	



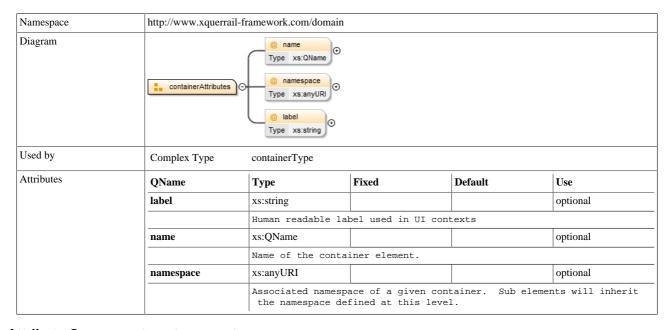
Attribute Group fieldAttributes

Namespace	http://www.xquerrail-framework.com/domain	
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QName	Type	Fixed	Default	Use	
identity	xs:boolean			optional	
	use this value w	er a given field is when defining simplet is not of type="	e enumerations, wh		
label	xs:string			optional	
		human readable nam bel in an html form		sed in UI such as	
name	xs:Name			optional	
	Defines the name	for a given field(element attribute	container).	
namespace	xs:anyURI			optional	
	This namespace w	Defines the namespace for a given field(element attribute container). This namespace will override any inherited namespaces, but unlike the model namespace will not override child field namespaces			
occurrence	restriction of xs:string	;		optional	
	so to have multi 0 or 1 "+" = 1 or m	Defines the number of instances can be associated with the given field so to have multiple values based on cardinality rules of XQuery. "?" = 0 or 1 "+" = 1 or more "*" = 0 to many "1" = only 1 or same as not defining this attribute			
prefix	xs:NCName			optional	
	_	x associated with = "dc" = <dc:fieldn< td=""><td>_</td><td>a field will have</td></dc:fieldn<>	_	a field will have	
reference	xs:string			optional	
	If the type="reference" then specifying the reference used simple notation: \$type:IDREF:functor called to resolve the reference ie. model:countryCode:reference - will resolve the reference from a model defined by calling the reference function. The reference function is the responsibility to take a value and resolve it to the appropriate reference information.				
type	dataType			optional	
	Defines the type of element. See fieldAttributeType enumeration.				

Attribute Group containerAttributes

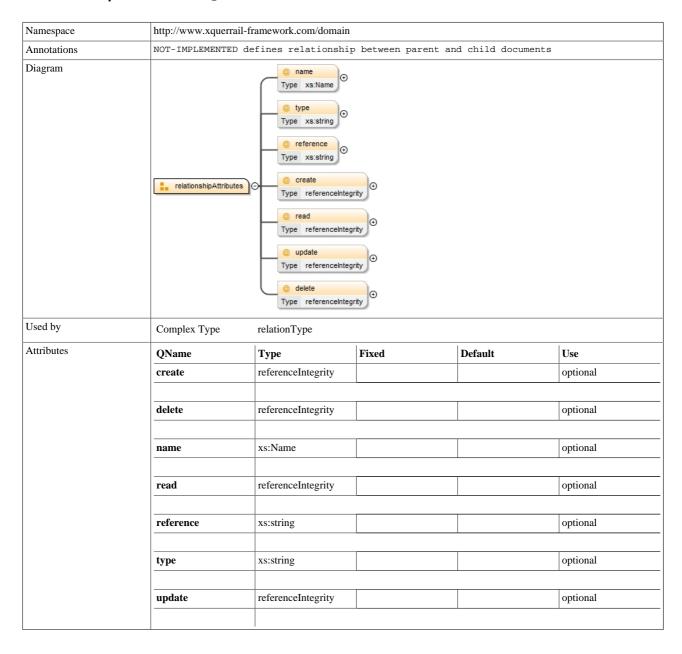


Attribute Group optionListAttributes

Namespace	http://www.xquerrail-framework.com/domain

Diagram	oname Type xs:string child-element Type xs:string type xs:string type type Type dataType Type dataType Oname Type xs:string Oname Type xs:string				
Used by	Complex Type	optionListType			
Attributes	QName	Туре	Fixed	Default	Use
	child-element	xs:string			optional
	name	xs:string			optional
	type	dataType			optional

Attribute Group relationshipAttributes

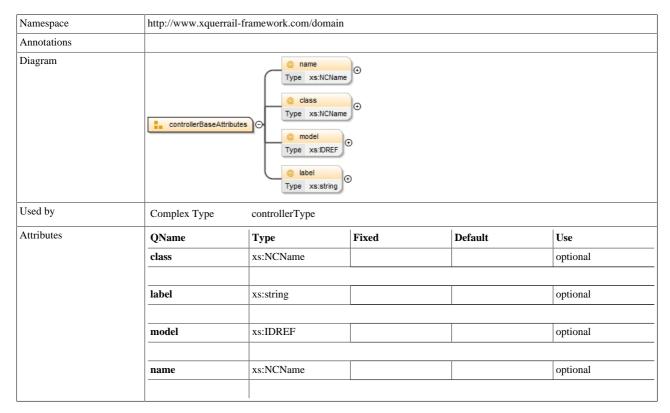


Attribute Group modelBaseAttributes

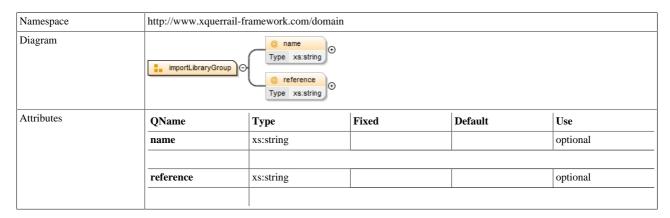
Namespace	http://www.xquerrai	l-framework.com/domain			
Diagram	modelBaseAttributes	@ name Type xs:ID @ namespace Type xs:anyURI @ description Type xs:string @ label Type xs:string @ class Type xs:string @ key Type xs:string @ key Label Type xs:string @ keyLabel Type xs:string @ compared to the proper to the prope	e:string' ⊕		
Used by	Complex Type	modelType			
Attributes	QName	Type	Fixed	Default	Use
	class	xs:string			optional
			groups of models to		
	description	xs:string			optional
		Description of mod	del that can be use	ed for help contex	t
	extends	xs:IDREF			optional
		from another mod fields common for a set	oute allows for the el, usually for the of domain models. I single level extensends B	e purposes of defi It is important to	ning a core set of note that the
	key	xs:string			optional
			ute associated with ference" Will add t		
	keyLabel	xs:string			optional
		defining referen	ibute defines the loce or lookup values	s. This value is u	sed with the key
	label	xs:string			optional
			l able name presented	d in UI context	1
	name	xs:ID			optional
		Name of domain mo	del ie. name="custo er	omer" <customer> .</customer>	other element
	namespace	xs:anyURI			optional
		Namespace associa	ted with domain mode definition assoc:		
	persistence	restriction of xs:string			optional
			stence mechanism fo act(not persistent		

QName	Type	Fixed	Default	Use
	document), directo instance per data		er document) single	eton(only one

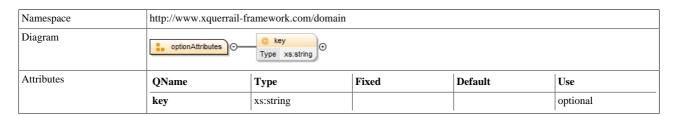
Attribute Group controllerBaseAttributes



Attribute Group importLibraryGroup



Attribute Group optionAttributes



Attribute Group uiAttributes

Namespace	http://www.xquerrail-framework.com/domain	
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Annotations	Definitions of un	element. Support	s information relat	ed to creation of	html and UI
Diagram	uiAttributes 🔿	© uiName Type xs:Name © type Type xs:Name © editType Type xs:string © displayType Type xs:string © gridAlignment Type xs:string © gridFormatter Type xs:string © width Type xs:string © width Type xs:string © dateFormat Type xs:string © numberFormat Type xs:string			
Attributes	QName	Туре	Fixed	Default	Use
	dateFormat	xs:string			optional
	dateFormat		lization. Determin	es how a date will	L
	displayType	Date Format Loca	lization. Determin	es how a date will	L
		Date Format Loca UI context xs:string	lization. Determing		be displayed in optional
		Date Format Loca UI context xs:string Defines a format			be displayed in optional
	displayType	Date Format Loca UI context xs:string Defines a format displayed xs:string		e used to define ho	be displayed in optional ow an field is
	displayType	Date Format Loca UI context xs:string Defines a format displayed xs:string	ter name that can be	e used to define ho	be displayed in optional ow an field is
	displayType editType	Date Format Loca UI context xs:string Defines a format displayed xs:string Defines the edit xs:string Defines the alignormat Defines the alignormat	ter name that can be	and grids	be displayed in optional ow an field is optional optional
	displayType editType	Date Format Loca UI context xs:string Defines a format displayed xs:string Defines the edit xs:string Defines the alignormat Defines the alignormat	ter name that can be	and grids	be displayed in optional ow an field is optional optional
	displayType editType gridAlignment	Date Format Loca UI context XS:String Defines a format displayed XS:String Defines the edit XS:String Defines the aligner value overrides XS:String	ter name that can be	and grids within a grid or 1: ng by field/@type	be displayed in optional ow an field is optional optional ist view. This
	displayType editType gridAlignment	Date Format Loca UI context XS:String Defines a format displayed XS:String Defines the edit XS:String Defines the aligner value overrides XS:String	Type for list views	and grids within a grid or 1: ng by field/@type	be displayed in optional ow an field is optional optional ist view. This
	displayType editType gridAlignment gridFormatter	Date Format Loca UI context XS:string Defines a format displayed XS:string Defines the edit XS:string Defines the align value overrides XS:string Provides a specific in the string XS:string	Type for list views	and grids within a grid or 1: ng by field/@type ion name when used	be displayed in optional optional optional optional ist view. This optional in a grid context optional
	displayType editType gridAlignment gridFormatter	Date Format Loca UI context XS:string Defines a format displayed XS:string Defines the edit XS:string Defines the aligned value overrides XS:string Provides a special value in the string Mumber Format Local value in the string in t	Type for list views mannent of the field the default handling	and grids within a grid or 1: ng by field/@type ion name when used	be displayed in optional optional optional optional ist view. This optional in a grid context optional
	displayType editType gridAlignment gridFormatter numberFormat	Date Format Loca UI context XS:string Defines a format displayed XS:string Defines the edit XS:string Defines the alignerate overrides XS:string Provides a specification of the string of the string Number Format Local in UI context XS:Name Defines the UITY, necessary to over	Type for list views mannent of the field the default handling	and grids within a grid or 1: ng by field/@type ion name when used ines how a numeric	be displayed in optional optional optional optional ist view. This optional in a grid context optional will be displayed optional optional optional optional optional
	displayType editType gridAlignment gridFormatter numberFormat	Date Format Loca UI context XS:string Defines a format displayed XS:string Defines the edit XS:string Defines the alignerate overrides XS:string Provides a specification of the string of the string Number Format Local in UI context XS:Name Defines the UITY, necessary to over	Type for list views mment of the field the default handling fic formatter funct calization. Determ	and grids within a grid or 1: ng by field/@type ion name when used ines how a numeric	be displayed in optional optional optional optional ist view. This optional in a grid context optional will be displayed optional optional optional optional optional
	displayType editType gridAlignment gridFormatter numberFormat	Date Format Loca UI context xs:string Defines a format displayed xs:string Defines the edit xs:string Defines the aligivalue overrides xs:string Provides a speci xs:string Number Format Loca in UI context xs:Name Defines the UITy necessary to ov on the presentat xs:Name associated name	Type for list views mment of the field the default handling fic formatter funct calization. Determ	and grids within a grid or 1: ng by field/@type ion name when used ines how a numeric the field definition rendering of inform	be displayed in optional ow an field is optional optional ist view. This optional in a grid context optional will be displayed optional on. It is often mation based optional inia allows for
	displayType editType gridAlignment gridFormatter numberFormat	Date Format Loca UI context xs:string Defines a format displayed xs:string Defines the edit xs:string Defines the aligivalue overrides xs:string Provides a speci xs:string Number Format Loca in UI context xs:Name Defines the UITy necessary to ov on the presentat xs:Name associated name	Type for list views ment of the field the default handling fic formatter funct calization. Determ pe associated with the period the default in display needed value of the control	and grids within a grid or 1: ng by field/@type ion name when used ines how a numeric the field definition rendering of inform	be displayed in optional ow an field is optional optional ist view. This optional in a grid context optional will be displayed optional on. It is often mation based optional inia allows for

Namespace: ""

Attributes

Attribute namespaceDeclarationType / @prefix

Namespace	No namespace	
Used by	Complex Type	namespaceDeclarationType

Attribute namespaceDeclarationType / @namespace-uri

Namespace	No namespace	
Used by	Complex Type	namespaceDeclarationType

Attribute contentModelTypeGroup / document / @root

Namespace	No namespace		
Annotations	Defines the root element used to create the document. Since a document can only have a single root node. The root attribute will usually be the pluralized name of the model, such as model name="country" <document root="countries"></document>		
Туре	xs:QName		
Properties	content: simple		
Used by	Element contentModelTypeGroup/document		

Attribute importModelAttributes / @name

Namespace	No namespace	
Annotations		
Type	xs:Name	
Properties	content:	simple
Used by	Attribute Group	importModelAttributes

Attribute modelNavigationAttributes / @securable

Namespace	No namespace	
Annotations		must pass certification of the security model. The attribute has not but is useful for definition for programming security hooks
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	modelNavigationAttributes

Attribute modelNavigationAttributes / @searchable

Namespace	No namespace	lo namespace	
Annotations	Determines if the model is searchable.		
Туре	xs:boolean		
Properties	content:	simple	
Used by	Attribute Group	modelNavigationAttributes	

Attribute modelNavigationAttributes / @sortable

Namespace	No namespace	o namespace		
Annotations	Determines if the	results of a list can be sorted dynamically within ui context		
Туре	xs:boolean			
Properties	content:	simple		
Used by	Attribute Group	modelNavigationAttributes		

Attribute modelNavigationAttributes / @showable

Namespace	No namespace	
Annotations	Determines if a model can support showing instances in ui context	
Type	xs:boolean	

Properties	content:	simple
Used by	Attribute Group	modelNavigationAttributes

Attribute modelNavigationAttributes / @newable

Namespace	No namespace
Annotations	Determines if a model can create a new instance usually through new or put operation from ui context
Туре	xs:boolean
Properties	content: simple
Used by	Attribute Group modelNavigationAttributes

Attribute modelNavigationAttributes / @editable

Namespace	No namespace	
Annotations	Determines if a mo	del can create a editable instance usually through edit/post operation
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	modelNavigationAttributes

Attribute modelNavigationAttributes / @listable

Namespace	No namespace	
Annotations	Determines if a mo	del can be listed such as within a base index.
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	modelNavigationAttributes

Attribute modelNavigationAttributes / @removable

Namespace	No namespace	
Annotations	Determines if a moo	del can create a instance can be removed via delete or remove operation
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	modelNavigationAttributes

Attribute modelNavigationAttributes / @findable

Namespace	No namespace	
Annotations	Determines if a mo	del can use findable model features
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	modelNavigationAttributes

Attribute modelNavigationAttributes / @exportable

Namespace	No namespace
Annotations	Determines wether model will support export. Not implemented but useful for controlling hooks in application code
Type	xs:boolean
Properties	content: simple

Used by	Attribute Group	modelNavigationAttributes	
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Attribute modelNavigationAttributes / @importable

Namespace	No namespace	
Annotations	Determines wether model will support import. Not implemented but useful for controlling hooks in application code	ı
Туре	xs:boolean	
Properties	content: simple	
Used by	Attribute Group modelNavigationAttributes	

Attribute modelNavigationAttributes / @pageSize

Namespace	No namespace
Annotations	Determines the default page size for list values when returned using list features. Lists will override any default values from configuration or code.
Туре	xs:integer
Properties	content: simple
Used by	Attribute Group modelNavigationAttributes

Attribute modelNavigationAttributes / @sortField

Namespace	No namespace	
Annotations	Determine the default sortField when returning list results.	
Туре	xs:NCName	
Properties	content: si	imple
Used by	Attribute Group mo	odelNavigationAttributes

Attribute modelNavigationAttributes / @sortOrder

Namespace	No namespace		
Annotations	Determines the default order in which documents will be returned from list results.		
Туре	restriction of xs:string		
Properties	content:	simple	
Facets	enumeration	ascending	Results returned in ascending order
	enumeration	descending	Results returned in descending order
Used by	Attribute Group	modelNavigationAttributes	

Attribute fieldNavigationAttributes / @securable

Namespace	No namespace	
Annotations		field value can be secured through navigation context. Not implemented book in application code.
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @searchable

Namespace	No namespace
Annotations	Determines if field is searchable using search:search semantics or be found by a field within a given search
Type	xs:boolean
Properties	content: simple

,	e Group fieldNavigat	onAttributes	fieldNavigation	igationAtt	Navigatio	fieldNa	up	oute Group	Attribute Group	fieldNavigation
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Attribute fieldNavigationAttributes / @sortable

Namespace	No namespace		
Annotations	Determines if a field can be used in sort operations		
Туре	xs:boolean		
Properties	content:	simple	
Used by	Attribute Group	fieldNavigationAttributes	

Attribute fieldNavigationAttributes / @facetable

Namespace	No namespace	
Annotations	Determines if a fi	eld will be faceted within a search:search semantics
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @newable

Namespace	No namespace	
Annotations	Determines if a fi	ield value can be changed when creating a new instance.
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @editable

Namespace	No namespace	
Annotations	Determines if a fi	ield value can be changed when creating a edit operation(form edit post).
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @listable

Namespace	No namespace		
Annotations	Determines if a field value will appear in list results		
Туре	xs:boolean		
Properties	content:	simple	
Used by	Attribute Group	fieldNavigationAttributes	

Attribute fieldNavigationAttributes / @removable

Namespace	No namespace		
Annotations	Determines if a field value can be removed from application.		
Туре	xs:boolean		
Properties	content:	simple	
Used by	Attribute Group	fieldNavigationAttributes	

Attribute fieldNavigationAttributes / @findable

Namespace	No namespace
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Annotations	Determines if a fi	ield can use findable features in framework.
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @showable

Namespace	No namespace	
Annotations	Determines if a fie operations.	eld will be shown or present when performing get show edit new
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @exportable

Namespace	No namespace		
Annotations	Determines if a field can be exported. Not implemented but useful hook for application code handling export		
Туре	xs:boolean		
Properties	content:	simple	
Used by	Attribute Group	fieldNavigationAttributes	

Attribute fieldNavigationAttributes / @importable

Namespace	No namespace	
Annotations	Determines if a field can be imported. Not implemented but useful hook for application code handling import	
Туре	xs:boolean	
Properties	content:	simple
Used by	Attribute Group	fieldNavigationAttributes

Attribute fieldNavigationAttributes / @searchType

Namespace	No namespace			
Annotations	Defines the type o	Defines the type of cts:search the field will use when performing search operations		
Туре	restriction of xs:string			
Properties	content:	simple		
Facets	enumeration	none	Equivalent to not searchable navigation context	
	enumeration	range	Uses range-query construct	
	enumeration	value	Uses value-query construct	
	enumeration	word	Uses word-query construct	
	enumeration	geo-element	Not Implemented but can be used for point field type	
	enumeration	geo-element-child	Not Implemented but can be used for lat/long field definition	
	enumeration	geo-element-pair	Not Implemented	
	enumeration	geo-attribute-pair	Not Implemented	
Used by	Attribute Group	fieldNavigationAttributes		

Attribute constraintAttributes / @unique

Namespace	No namespace
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Annotations	Value must be union across a model's instances	que within the field definition. Usually to ensure mutual exclusive value
Туре	xs:boolean	
Properties	default:	false
Used by	Attribute Group	constraintAttributes

Attribute constraintAttributes / @inList

Namespace	No namespace	No namespace	
Annotations	Defines which optionlist are possible values for a given field definition.		
Туре	xs:Name		
Properties	content:	simple	
Used by	Attribute Group	constraintAttributes	

Attribute constraintAttributes / @required

Namespace	No namespace Defines that a value for field definition is required when inserting/updating documents.	
Annotations		
Туре	xs:boolean	
Properties	content: simple	
Used by	Attribute Group constraintAttributes	

Attribute constraintAttributes / @minLength

Namespace	No namespace	
Annotations	Defines the minimum length for a given field value	
Туре	xs:integer	
Properties	content: simple	
Used by	Attribute Group constraintAttributes	

Attribute constraintAttributes / @maxLength

Namespace	No namespace Defines the maximum length for a given field value	
Annotations		
Туре	xs:integer	
Properties	content:	simple
Used by	Attribute Group	constraintAttributes

Attribute constraintAttributes / @minValue

Namespace	No namespace	
Annotations	Defines the minimum value for a given field value	
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	constraintAttributes

Attribute constraintAttributes / @maxValue

Namespace	No namespace	
Annotations Defines the maximum value for a given field value		
Туре	xs:string	

Properties	content:	simple
Used by	Attribute Group	constraintAttributes

Attribute constraintAttributes / @pattern

Namespace	No namespace Defines a regex pattern to match for a given field value xs:string	
Annotations		
Туре		
Properties	content:	simple
Used by	Attribute Group	constraintAttributes

Attribute constraintAttributes / @validator

Namespace	No namespace	
Annotations	Defines a custom validator function that will be called to validate the given field value.	
Туре	restriction of xs:string	
Properties	content:	simple
Facets	pattern	<pre>\i\c*:(controller model lib framework): \i\c*(:*)?</pre>
Used by	Attribute Group	constraintAttributes

Attribute gridColumnAttributes / @name

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	gridColumnAttributes

Attribute gridColumnAttributes / @index

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	gridColumnAttributes

Attribute gridColumnAttributes / @label

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	gridColumnAttributes

Attribute gridColumnAttributes / @editable

Namespace	No namespace	
Annotations		
Туре	xs:boolean	
Properties	content:	simple

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Attribute gridColumnAttributes / @edittype

Namespace	No namespace	
Annotations		
Туре	uiFieldType	
Properties	content:	simple
Facets	enumeration	textbox
	enumeration	textarea
	enumeration	selectbox
	enumeration	checkbox
	enumeration	fileupload
	enumeration	grid
	enumeration	datepicker
	enumeration	datepager
	enumeration	timepicker
	enumeration	code-editor
	enumeration	html-editor
	enumeration	slider
	enumeration	radiolist
	enumeration	checkboxlist
	enumeration	list
	enumeration	rating
	enumeration	inputmask
	enumeration	model
	enumeration	hidden
	enumeration	text
	enumeration	password
Used by	Attribute Group	gridColumnAttributes

Attribute gridColumnAttributes / @displaytype

Namespace	No namespace	
Annotations		
Type	uiFieldType	
Properties	content:	simple
Facets	enumeration	textbox
	enumeration	textarea
	enumeration	selectbox
	enumeration	checkbox
	enumeration	fileupload
	enumeration	grid
	enumeration	datepicker
	enumeration	datepager
	enumeration	timepicker
	enumeration	code-editor
	enumeration	html-editor
	enumeration	slider
	enumeration	radiolist

	enumeration	checkboxlist
	enumeration	list
	enumeration	rating
	enumeration	inputmask
	enumeration	model
	enumeration	hidden
	enumeration	text
	enumeration	password
Used by	Attribute Group	gridColumnAttributes

Attribute gridColumnAttributes / @formatter

Namespace	No namespace	
Annotations		
Туре	xs:NCName	
Properties	content:	simple
Used by	Attribute Group	gridColumnAttributes

Attribute gridColumnAttributes / @unformatter

Namespace	No namespace	
Annotations		
Type	xs:NCName	
Properties	content:	simple
Used by	Attribute Group	gridColumnAttributes

Attribute uiTypeAttributes / @id

Namespace	No namespace	
Annotations	Overrides id attributes in html forms.	
Туре	xs:Name	
Properties	content:	simple
Used by	Attribute Group	uiTypeAttributes

Attribute uiTypeAttributes / @type

Namespace	No namespace			
Annotations	Overrides default	Overrides default type from field/@type		
Туре	uiFieldType			
Properties	content:	simple		
Facets	enumeration	textbox		
	enumeration	textarea		
	enumeration	selectbox		
	enumeration	checkbox		
	enumeration	fileupload		
	enumeration	grid		
	enumeration	datepicker		
	enumeration	datepager		
	enumeration	timepicker		
	enumeration	code-editor		

	enumeration	html-editor
	enumeration	slider
	enumeration	radiolist
	enumeration	checkboxlist
	enumeration	list
	enumeration	rating
	enumeration	inputmask
	enumeration	model
	enumeration	hidden
	enumeration	text
	enumeration	password
Used by	Attribute Group	uiTypeAttributes

Attribute uiTypeAttributes / @label

Namespace	No namespace	
Annotations	Overrides field/@l	abel when creating headers or html <label></label> elements
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	uiTypeAttributes

Attribute uiTypeAttributes / @class

Namespace	No namespace	
Annotations	Adds additional cl	lass attributes to input forms and containers
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	uiTypeAttributes

Attribute uiTypeAttributes / @repeatable

Namespace	No namespace	
Annotations	Allows element to be	repeated in UI
Туре	xs:boolean	
Properties	content: s	imple
Used by	Attribute Group ui	TypeAttributes

Attribute uiTypeAttributes / @gridWidth

Namespace	No namespace	
Annotations	Used when creating	g grid/list columns in list views
Туре	xs:integer	
Properties	content:	simple
Used by	Attribute Group	uiTypeAttributes

Attribute fieldAttributes / @name

Namespace	No namespace
Annotations	Defines the name for a given field(element attribute container).
Туре	xs:Name
Properties	content: simple

Attribute fieldAttributes / @namespace

Namespace	No namespace	
Annotations	override any inhe	vace for a given field(element attribute container). This namespace will erited namespaces, but unlike the model override child field namespaces
Туре	xs:anyURI	
Properties	content:	simple
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @prefix

Namespace	No namespace	
Annotations	defines the prefix prefix="dc" = <do< td=""><td>associated with the namespace for a field will have the form: :fieldName</td></do<>	associated with the namespace for a field will have the form: :fieldName
Туре	xs:NCName	
Properties	content:	simple
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @type

Namespace	No namespace		
Annotations	Defines the type	of element. See fieldAttrib	uteType enumeration.
Туре	dataType		
Properties	content:	simple	
Facets	enumeration	string	String value (xs:string)
	enumeration	integer	Integer Value (xs:integer)
	enumeration	long	Long Value (xs:long)
	enumeration	decimal	Decimal Value (xs:decimal)
	enumeration	double	
	enumeration	float	
	enumeration	boolean	
	enumeration	anyURI	
	enumeration	date	
	enumeration	dateTime	
	enumeration	time	
	enumeration	duration	
	enumeration	yearMonth	
	enumeration	monthDay	
	enumeration	binary	
	enumeration	identity	
	enumeration	reference	
	enumeration	instance-of	
	enumeration	update-timestamp	
	enumeration	update-user	
	enumeration	create-timestamp	
	enumeration	create-user	
	enumeration	file	
	enumeration	schema-element	
	enumeration	query	

	enumeration	point
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @label

Namespace	No namespace	
Annotations	The label is the h in an html form.	numan readable name of the element used in UI such as defining the label
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @description

Namespace	No namespace		
Annotations	General description or help context for a given field.		
Туре	xs:string		
Properties	content:	simple	
Used by	Attribute Group	fieldAttributes	

Attribute fieldAttributes / @identity

Namespace	No namespace		
Annotations	Determines whether a given field is an identity column. It is common to use this value when defining simple enumerations, where a unique value is only required, but is not of type="identity".		
Туре	xs:boolean		
Properties	content: simple		
Used by	Attribute Group fieldAttributes		

Attribute fieldAttributes / @reference

Namespace	No namespace	
Annotations	If the type="reference" then specifying the reference used simple notation: \$type:IDREF:functor called to resolve the reference ie. model:countryCode:reference - will resolve the reference from a model defined by calling the reference function. The reference function is the responsibility to take a value and resolve it to the appropriate reference information.	
Туре	xs:string	
Properties	content: simple	
Used by	Attribute Group fieldAttributes	

Attribute fieldAttributes / @default

Namespace	No namespace	
Annotations	default attribute is specified duri update.	defines the default data value when creating a new instance or no value ng creation or
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @decimalPrecision

Namespace	No namespace
Annotations	(:NOT-IMPLEMENTED:) determines the decimal precision of a field whose type is decimal. If not set the value of the decimal will not be rounded to

	meet the decimal precision.	
Type	xs:integer	
Properties	content:	simple
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @fileType

Namespace	No namespace	No namespace		
Annotations	associated with	If type="binary" then fileType allows to restrict what type of files are allowed to be associated with a given field Possible values are (xml,binary,text,auto)		
Туре	fieldFileType	fieldFileType		
Properties	default:	auto		
Facets	enumeration	auto	Uses builtin detection to serialize/ deserialize type	
	enumeration	binary	Defines the element will be stored as binary only	
	enumeration	xml	Defines the underlying file/binary field is xml	
	enumeration	text	Defines the underlying file/binary field is text	
Used by	Attribute Group	fieldAttributes		

Attribute fieldAttributes / @fileURI

Namespace	No namespace	
Annotations	syntax to dynamic	e URI for the asset will be created. The fileUri may use special \$(field) cally generate the uri based on ated with any field in the model.
Туре	xs:anyURI	
Properties	content:	simple
Used by	Attribute Group	fieldAttributes

Attribute fieldAttributes / @collation

Namespace	No namespace		
Annotations	Overrides the default collation of the domain and ensures any queries are resolved against the collation defined on the field. This collation does not override any collations of child elements		
Туре	xs:anyURI		
Properties	content:	simple	
Used by	Attribute Group	fieldAttributes	

Attribute fieldAttributes / @occurrence

Namespace	No namespace		
Annotations	Defines the number of instances can be associated with the given field so to have multiple values based on cardinality rules of XQuery. "?" = 0 or 1 "+" = 1 or more "*" = 0 to many "1" = only 1 or same as not defining this attribute		
Туре	restriction of xs:string		
Properties	content: simple		
Facets	enumeration	+	1 or more
	enumeration	?	O or 1. When defined if no value is passed for field, then the field is ommitted
	enumeration	*	0 or Many
	enumeration	1	(default)Exactly 1 or equivalent of not using attribute

Attribute containerAttributes / @name

Namespace	No namespace	
Annotations	Name of the container element.	
Туре	xs:QName	
Properties	content: simple	
Used by	Attribute Group container Attributes	

Attribute container Attributes / @namespace

Namespace	No namespace	No namespace		
Annotations	_	Associated namespace of a given container. Sub elements will inherit the namespace defined at this level.		
Туре	xs:anyURI			
Properties	content:	simple		
Used by	Attribute Group	containerAttributes		

Attribute containerAttributes / @label

Namespace	No namespace	
Annotations	Human readable label used in UI contexts	
Type	xs:string	
Properties	content: simple	
Used by	Attribute Group containerAttributes	

Attribute optionType / @label

Namespace	No namespace		
Type	xs:string		
Properties	content:	simple	
Used by	Complex Type	optionType	

Attribute optionListAttributes / @name

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	optionListAttributes

Attribute optionListAttributes / @child-element

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	optionListAttributes

Attribute optionListAttributes / @type

Namespace	No namespace
Annotations	

Туре	dataType		
Properties	content:	simple	
Facets	enumeration	string	String value (xs:string)
	enumeration	integer	Integer Value (xs:integer)
	enumeration	long	Long Value (xs:long)
	enumeration	decimal	Decimal Value (xs:decimal)
	enumeration	double	
	enumeration	float	
	enumeration	boolean	
	enumeration	anyURI	
	enumeration	date	
	enumeration	dateTime	
	enumeration	time	
	enumeration	duration	
	enumeration	yearMonth	
	enumeration	monthDay	
	enumeration	binary	
	enumeration	identity	
	enumeration	reference	
	enumeration	instance-of	
	enumeration	update-timestamp	
	enumeration	update-user	
	enumeration	create-timestamp	
	enumeration	create-user	
	enumeration	file	
	enumeration	schema-element	
	enumeration	query	
	enumeration	point	
Used by	Attribute Group	optionListAttributes	

Attribute relationshipAttributes / @name

Namespace	No namespace	
Annotations		
Туре	xs:Name	
Properties	content:	simple
Used by	Attribute Group	relationshipAttributes

Attribute relationshipAttributes / @type

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	relationshipAttributes

Attribute relationshipAttributes / @reference

Namespace	No namespace
Annotations	

Type	xs:string	
Properties	content:	simple
Used by	Attribute Group	relationshipAttributes

Attribute relationshipAttributes / @create

Namespace	No namespace	
Annotations		
Туре	referenceIntegrity	
Properties	content:	simple
Facets	enumeration	cascade
	enumeration	notify
	enumeration	none
Used by	Attribute Group	relationshipAttributes

Attribute relationshipAttributes / @read

Namespace	No namespace	
Annotations		
Туре	referenceIntegrity	
Properties	content:	simple
Facets	enumeration	cascade
	enumeration	notify
	enumeration	none
Used by	Attribute Group	relationshipAttributes

Attribute relationshipAttributes / @update

Namespace	No namespace	
Annotations		
Туре	referenceIntegrity	
Properties	content:	simple
Facets	enumeration	cascade
	enumeration	notify
	enumeration	none
Used by	Attribute Group	relationshipAttributes

Attribute relationshipAttributes / @delete

Namespace	No namespace	
Annotations		
Туре	referenceIntegrity	
Properties	content:	simple
Facets	enumeration	cascade
	enumeration	notify
	enumeration	none
Used by	Attribute Group	relationshipAttributes

Attribute modelBaseAttributes / @name

Namespace	No namespace
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Annotations	Name of domain mod	del ie. name="customer" <customer>other element attribute container</customer>
Type	xs:ID	
Properties	content:	simple
Used by	Attribute Group	modelBaseAttributes

Attribute modelBaseAttributes / @namespace

Namespace	No namespace
Annotations	Namespace associated with domain model. Namespace will override any content-namespace definition associated with domain and children will inherit namespace from model namespace.
Туре	xs:anyURI
Properties	content: simple
Used by	Attribute Group modelBaseAttributes

Attribute modelBaseAttributes / @description

Namespace	No namespace	
Annotations	Description of mod	del that can be used for help context
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	modelBaseAttributes

Attribute modelBaseAttributes / @label

Namespace	No namespace	
Annotations	Is the human reada	able name presented in UI context
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	modelBaseAttributes

Attribute modelBaseAttributes / @class

Namespace	No namespace	
Annotations	Attribute allows grandels based on c	roups of models to be associated together for querying and selecting lass attribute
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	modelBaseAttributes

Attribute modelBaseAttributes / @key

Namespace	No namespace	
Annotations		te associated with Lookup references. The key when used as Will add this attribute uuid
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	modelBaseAttributes

Attribute modelBaseAttributes / @keyLabel

Namespace No nam	espace
	eyLabel attribute defines the human readable value used when defining reference or up values. This value is used with the key attribute

	to ensure you hav	e an id/name association for each reference or lookup.
Type	xs:string	
Properties	content:	simple
Used by	Attribute Group	modelBaseAttributes

Attribute modelBaseAttributes / @extends

Namespace	No namespace
Annotations	The extends attribute allows for the ability to inherit data fields from another model, usually for the purposes of defining a core set of fields common for a set of domain models. It is important to note that the extends is only single level extension. So you can define a A extends B, but not A extends B extends C
Туре	xs:IDREF
Properties	content: simple
Used by	Attribute Group modelBaseAttributes

Attribute modelBaseAttributes / @persistence

Namespace	No namespace	No namespace		
Annotations	Defines the persistence mechanism for a given model. The possible values are abstract(not persistent), document(all instances in a single document), directory(one instance per document) singleton(only one instance per database)			
Туре	restriction of xs:string	g		
Properties	content:	content: simple		
Facets	enumeration	document	Creates a single document for all instances	
	enumeration	directory	1 document per instance stored in a single directory	
	enumeration	abstract	abstract models cannot be persisted. Usually used in conjuction to define submodels or extends base models	
	enumeration	singleton	(:NOT-IMPLEMENTED:)Singleton are a single instance per database usually defined by a single uri. Useful for creating configuration files	
Used by	Attribute Group	modelBaseAttributes		

Attribute controllerBaseAttributes / @name

Namespace	No namespace	
Annotations		
Type	xs:NCName	
Properties	content:	simple
Used by	Attribute Group	controllerBaseAttributes

Attribute controllerBaseAttributes / @class

Namespace	No namespace	
Annotations		
Type	xs:NCName	
Properties	content:	simple
Used by	Attribute Group	controllerBaseAttributes

Attribute controllerBaseAttributes / @model

Namespace	No namespace
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Annotations		
Туре	xs:IDREF	
Properties	content:	simple
Used by	Attribute Group	controllerBaseAttributes

Attribute controllerBaseAttributes / @label

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	controllerBaseAttributes

Attribute importLibraryGroup / @name

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	importLibraryGroup

Attribute importLibraryGroup / @reference

Namespace	No namespace	
Annotations		
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	importLibraryGroup

Attribute optionAttributes / @key

Namespace	No namespace	
Type	xs:string	
Properties	content:	simple
Used by	Attribute Group	optionAttributes

Attribute uiAttributes / @uiName

Namespace	No namespace		
Annotations	associated name value of the control when created. This allows for creating a name attribute on <input/> elements in html		
Туре	xs:Name		
Properties	content: simple		
Used by	Attribute Group uiAttributes		

Attribute uiAttributes / @type

Namespace	No namespace		
Annotations	Defines the UIType associated with the field definition. It is often necessary to override the default rendering of information based on the presentation display needed		
Туре	xs:Name		
Properties	content: simple		

Attribute uiAttributes / @editType

Namespace	No namespace		
Annotations	Defines the editType for list views and grids		
Туре	xs:string		
Properties	content: si	mple	
Used by	Attribute Group ui	Attributes	

Attribute uiAttributes / @displayType

Namespace	No namespace		
Annotations	Defines a formatte	r name that can be used to define how an field is displayed	
Туре	xs:string		
Properties	content:	simple	
Used by	Attribute Group	uiAttributes	

Attribute uiAttributes / @gridAlignment

Namespace	No namespace		
Annotations	Defines the alignment of the field within a grid or list view. This value overrides the default handling by field/@type		
Туре	xs:string		
Properties	content:	simple	
Used by	Attribute Group	uiAttributes	

Attribute uiAttributes / @gridFormatter

Namespace	No namespace		
Annotations	Provides a specific formatter function name when used in a grid context		
Туре	xs:string		
Properties	content:	simple	
Used by	Attribute Group	uiAttributes	

Attribute uiAttributes / @width

Namespace	No namespace	
Annotations	NOT-USED	
Туре	xs:string	
Properties	content:	simple
Used by	Attribute Group	uiAttributes

Attribute uiAttributes / @dateFormat

Namespace	No namespace		
Annotations	Date Format Locali	ization. Determines how a date will be displayed in UI context	
Туре	xs:string		
Properties	content:	simple	
Used by	Attribute Group	uiAttributes	

Attribute uiAttributes / @numberFormat

Namespace	No namespace
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Annotations	Number Format	Localization.	Determines how a numeric will be displayed in UI context
Туре	xs:string		
Properties	content:	simple	
Used by	Attribute Group	uiAttributes	