

Examples

Package in package ''

Examples

Version 1.0 Phase 1.0 Proposed

mittchella created on 23/05/2025. Last modified 23/05/2025

lump of clay

Package in package 'Examples'

lump of clay

Version 1.0 Phase 1.0 Proposed

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Diagrams

Package in package 'lump of clay'

Diagrams

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stage 1 - load (SDTM, STM)

Package in package 'Diagrams'

stage 1 - load (SDTM, STM)

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Clay Statues diagram

Class diagram in package 'stage 1 - load (SDTM, STM)'

Clay Statues

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Figure 1: Clay Statues

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1

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OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2

Version 1.0 Phase 1.0 Proposed

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OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]


CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

Days diagram

Class diagram in package 'stage 1 - load (SDTM, STM)'

Days

Version 1.0

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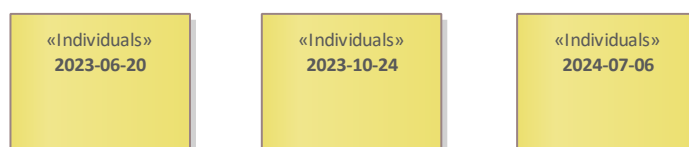


Figure 2: Days

2023-06-20


Class «Individuals» in package 'stage 1 - load'

2023-06-20


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

2023-10-24

Class «Individuals» in package 'stage 1 - load'

2023-10-24

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INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS
<div>➡ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24</div> <div>[Direction is 'Source -> Destination'.]</div>
CONNECTORS
<div>➡ Dependency Source -> Destination</div> <div>From: 2023-10-24 : Class, Public</div> <div>To: Days : Class, Public</div>

2024-07-06

Class «Individuals» in package 'stage 1 - load'

2024-07-06

Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS
<div>➡ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06</div> <div>[Direction is 'Source -> Destination'.]</div>
CONNECTORS
<div>➡ Dependency Source -> Destination</div> <div>From: 2024-07-06 : Class, Public</div> <div>To: Days : Class, Public</div>

Lumps of Clay diagram

Class diagram in package 'stage 1 - load (SDTM, STM)'

Lumps of Clay

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Figure 3: Lumps of Clay

Lump of Clay #1

Class «Individuals» in package 'stage 1 - load'

Lump of Clay #1
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INCOMING STRUCTURAL RELATIONSHIPS
<p>➡ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1 [Direction is 'Source -> Destination'.]</p>
<p>➡ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1 [Direction is 'Source -> Destination'.]</p>
CONNECTORS
<p> Dependency Source -> Destination From: Lump of Clay #1 : Class, Public To: Lumps of Clay : Class, Public</p>

Statue Existence Boundaries diagram

Class diagram in package 'stage 1 - load (SDTM, STM)'

Statue Existence Boundaries
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Figure 4: Statue Existence Boundaries

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS
<p>⬅ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1 [Direction is 'Source -> Destination'.]</p>
<p>⬅ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24 [Direction is 'Source -> Destination'.]</p>

CONNECTORS**Dependency** Source -> Destination

From: 'Destroy' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1*Class «Individuals» in package 'stage 1 - load'*

'Make' Clay Statue #1

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OUTGOING STRUCTURAL RELATIONSHIPS

Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20

[Direction is 'Source -> Destination'.]



Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

CONNECTORS**Dependency** Source -> Destination

From: 'Make' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2*Class «Individuals» in package 'stage 1 - load'*

'Make' Clay Statue #2

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OUTGOING STRUCTURAL RELATIONSHIPS

Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06

[Direction is 'Source -> Destination'.]



Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS**Dependency** Source -> Destination

From: 'Make' Clay Statue #2 : Class, Public

To: Statue Existence Boundaries : Class, Public

stage 2 - mereology (STM)

Package in package 'Diagrams'

stage 2 - mereology (STM)
Version 1.0 Phase 1.0 Proposed
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mereology diagram

Class diagram in package 'stage 2 - mereology (STM)'

mereology
Version 1.0
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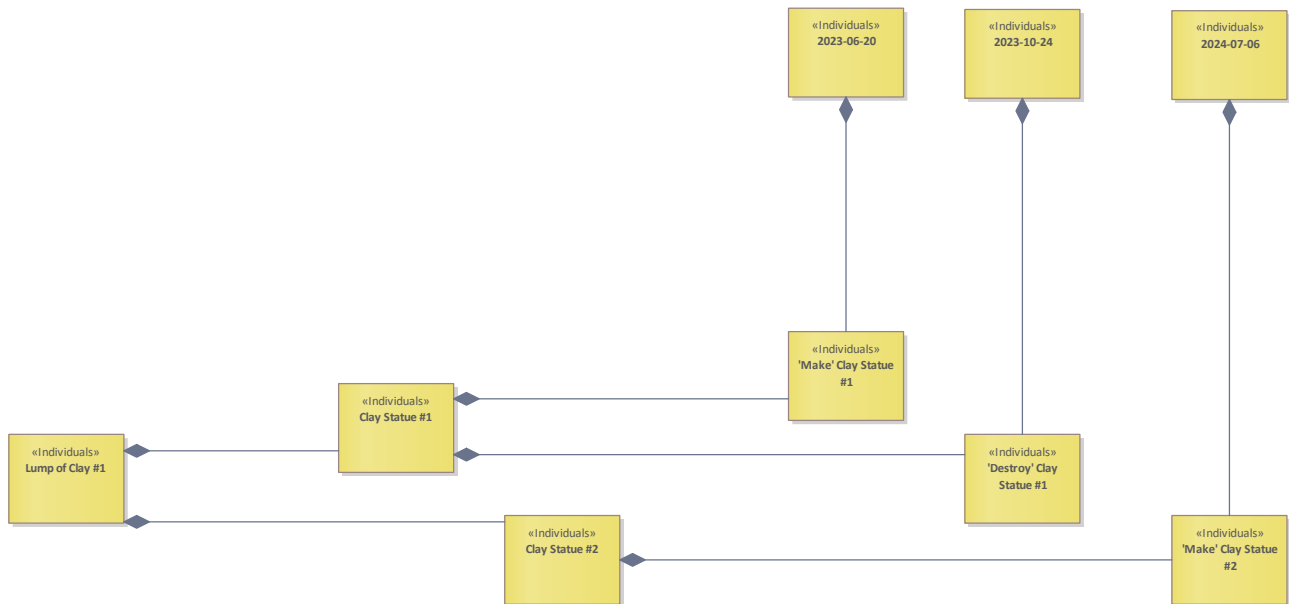


Figure 5: mereology

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

- ⇐ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
 [Direction is 'Source -> Destination'.]
- ⇐ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
 [Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS**Dependency** Source -> Destination

From: 'Destroy' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1*Class «Individuals» in package 'stage 1 - load'*

'Make' Clay Statue #1

Version 1.0 Phase 1.0 Proposed

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OUTGOING STRUCTURAL RELATIONSHIPS

Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20

[Direction is 'Source -> Destination'.]



Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

CONNECTORS**Dependency** Source -> Destination

From: 'Make' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2*Class «Individuals» in package 'stage 1 - load'*

'Make' Clay Statue #2

Version 1.0 Phase 1.0 Proposed

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OUTGOING STRUCTURAL RELATIONSHIPS

Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06

[Direction is 'Source -> Destination'.]




Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public

2023-06-20

Class «Individuals» in package 'stage 1 - load'

2023-06-20


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

2023-10-24

Class «Individuals» in package 'stage 1 - load'

2023-10-24


Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

2024-07-06

Class «Individuals» in package 'stage 1 - load'


2024-07-06

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INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS


⬅ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

➡ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

Lump of Clay #1

Class «Individuals» in package 'stage 1 - load'

Lump of Clay #1
Version 1.0 Phase 1.0 Proposed
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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Lump of Clay #1 : Class, Public
To: Lumps of Clay : Class, Public

stage 3 - simle order types

Package in package 'Diagrams'

stage 3 - simle order types

Version 1.0 Phase 1.0 Proposed

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Aesthetically Valuable Statues diagram

Class diagram in package 'stage 3 - simle order types'

Aesthetically Valuable Statues

Version 1.0

mittchella created on 21/05/2025. Last modified 22/05/2025

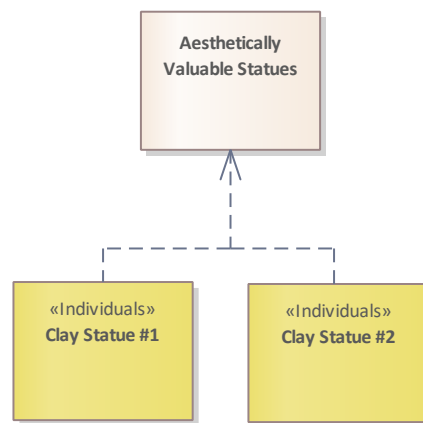


Figure 6: Aesthetically Valuable Statues

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1


[Direction is 'Source -> Destination'.]


⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Aesthetically Valuable Statues : Class, Public


 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Clay Statues : Class, Public

Clay Statue #2


Class «Individuals» in package 'stage 1 - load'

Clay Statue #2
 Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS


 Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Aesthetically Valuable Statues : Class, Public

Aesthetically Valuable Statues

Class in package 'stage 3 - simle order types'

Aesthetically Valuable Statues
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 21/05/2025. Last modified 21/05/2025
 Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Clay Statues diagram

Class diagram in package 'stage 3 - simle order types'

Clay Statues

Version 1.0

mittella created on 14/05/2025. Last modified 22/05/2025

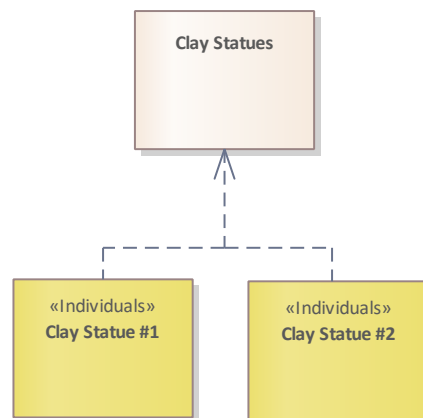


Figure 7: Clay Statues

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1

Version 1.0 Phase 1.0 Proposed

mittella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1


[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2

Version 1.0 Phase 1.0 Proposed

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OUTGOING STRUCTURAL RELATIONSHIPS


⇐ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues

Version 1.0 Phase 1.0 Proposed

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Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

Days diagram

Class diagram in package 'stage 3 - simle order types'

Days

Version 1.0

mittchella created on 14/05/2025. Last modified 22/05/2025

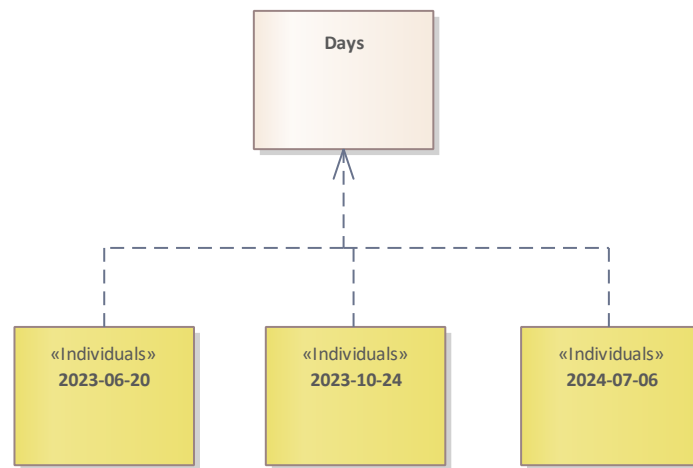


Figure 8: Days

2023-06-20

Class «Individuals» in package 'stage 1 - load'

2023-06-20

Version 1.0 Phase 1.0 Proposed

mitchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20

[Direction is 'Source -> Destination'.]

CONNECTORS

⇒ **Dependency** Source -> Destination

From: 2023-06-20 : Class, Public

To: Days : Class, Public

2023-10-24

Class «Individuals» in package 'stage 1 - load'

2023-10-24

Version 1.0 Phase 1.0 Proposed

mitchella created on 14/05/2025. Last modified 21/05/2025


INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24

[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

2024-07-06


Class «Individuals» in package 'stage 1 - load'

2024-07-06


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

Days

Class in package 'stage 3 - simple order types'

Days

Version 1.0 Phase 1.0 Proposed


mittchella created on 14/05/2025. Last modified 16/05/2025

Extends Worldbound Individuals


OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Days to Worldbound Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation «whole» from «placeable sets» occurs at days to Days
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS	
 Dependency	Source -> Destination
From:	2023-10-24 : Class, Public
To:	Days : Class, Public
 Dependency	Source -> Destination
From:	2024-07-06 : Class, Public
To:	Days : Class, Public
 Dependency	Source -> Destination
From:	2023-06-20 : Class, Public
To:	Days : Class, Public

Lumps of Clay diagram

Class diagram in package 'stage 3 - simle order types'

Lumps of Clay

Version 1.0

mittchella created on 14/05/2025. Last modified 22/05/2025

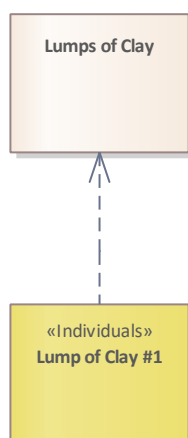


Figure 9: Lumps of Clay


Lump of Clay #1

Class «Individuals» in package 'stage 1 - load'

Lump of Clay #1

Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation	from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]	

INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

CONNECTORS

➡ **Dependency** Source -> Destination
 From: Lump of Clay #1 : Class, Public
 To: Lumps of Clay : Class, Public

Lumps of Clay

Class in package 'stage 3 - simle order types'

Lumps of Clay
 Version 1.0 Phase 1.0 Proposed
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 Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Lumps of Clay to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay

[Direction is 'Source -> Destination'.]

CONNECTORS

➡ **Dependency** Source -> Destination
 From: Lump of Clay #1 : Class, Public
 To: Lumps of Clay : Class, Public

Statue Existence Boundaries diagram

Class diagram in package 'stage 3 - simle order types'

Statue Existence Boundaries
 Version 1.0
 mitchella created on 14/05/2025. Last modified 22/05/2025

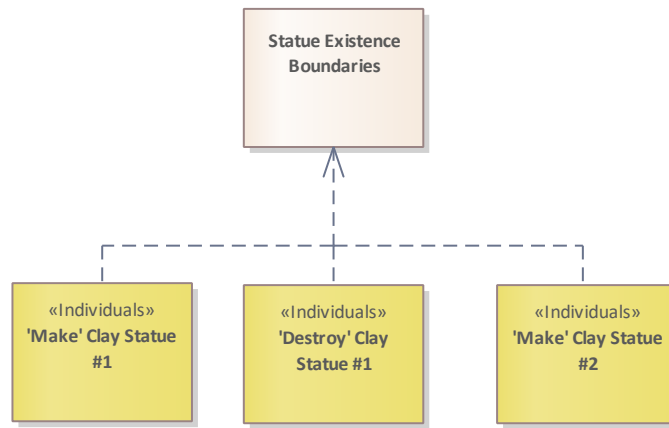


Figure 10: Statue Existence Boundaries

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS	
Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1	[Direction is 'Source -> Destination'.]
Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24	[Direction is 'Source -> Destination'.]
CONNECTORS	
Dependency Source -> Destination From: 'Destroy' Clay Statue #1 : Class, Public To: Statue Existence Boundaries : Class, Public	


'Make' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS	
Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20	[Direction is 'Source -> Destination'.]
Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1	[Direction is 'Source -> Destination'.]

CONNECTORS


 **Dependency** Source -> Destination
From: 'Make' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public


'Make' Clay Statue #2

Class «Individuals» in package 'stage 1 - load'


'Make' Clay Statue #2
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

 Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS


 **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public


Statue Existence Boundaries

Class in package 'stage 3 - simle order types'

Statue Existence Boundaries
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Momentary Individuals, Statue Temporal Stages


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Statue Existence Boundaries to Statue Temporal Stages
[Direction is 'Source -> Destination'.]


 Generalization from Statue Existence Boundaries to Momentary Individuals
[Direction is 'Source -> Destination'.]

CONNECTORS


CONNECTORS

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

 Association (direction: Source -> Destination) «part»

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

mereology diagram

Class diagram in package 'stage 3 - simle order types'

mereology
Version 1.0

mitchella created on 14/05/2025. Last modified 22/05/2025

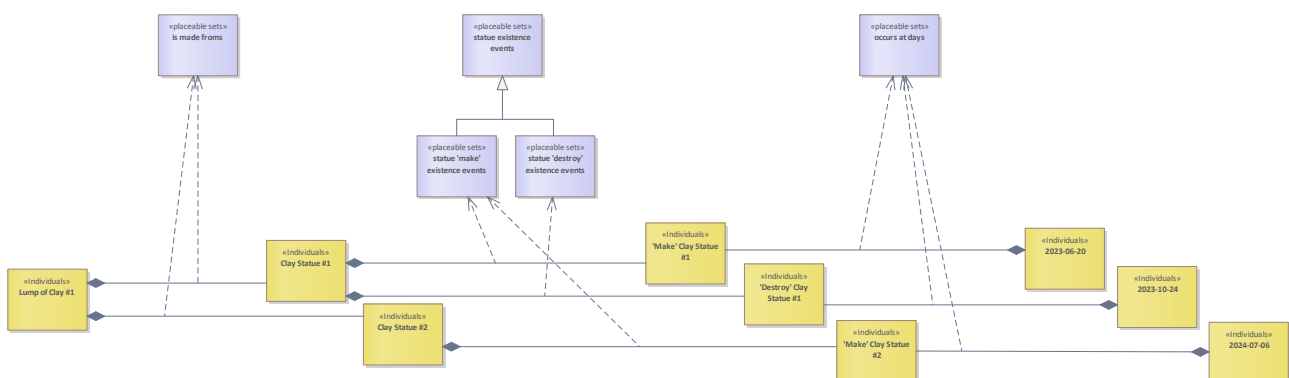




Figure 11: mereology

'Destroy' Clay Statue #1


Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

-  Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]
-  Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS



 **Dependency** Source -> Destination
From: 'Destroy' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1


Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

-  Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]
-  Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Make' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #2
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public

2023-06-20

Class «Individuals» in package 'stage 1 - load'

2023-06-20

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

2023-10-24

Class «Individuals» in package 'stage 1 - load'

2023-10-24

Version 1.0 Phase 1.0 Proposed


mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

2024-07-06


Class «Individuals» in package 'stage 1 - load'

2024-07-06


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

Clay Statue #1


Class «Individuals» in package 'stage 1 - load'

Clay Statue #1


Version 1.0 Phase 1.0 Proposed


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OUTGOING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS


 Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

 Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Aesthetically Valuable Statues : Class, Public


 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Clay Statues : Class, Public

Clay Statue #2


Class «Individuals» in package 'stage 1 - load'

Clay Statue #2
 Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS


 Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
 [Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Aesthetically Valuable Statues : Class, Public

Lump of Clay #1

Class «Individuals» in package 'stage 1 - load'

Lump of Clay #1
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS


⇒ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination


From: Lump of Clay #1 : Class, Public

To: Lumps of Clay : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS

 **Dependency** Source -> Destination


From: : Aggregation, Public

To: is made froms : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS

 **Dependency** Source -> Destination

From: : Aggregation, Public


To: is made froms : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS


CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

Aggregation in package "

Version Phase
created on . Last modified


CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS


 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public


is made froms

Class «placeable sets» in package 'stage 3 - simle order types'

is made froms
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 14/05/2025
Extends parts-worldbound individuals wholes


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

 Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay
[Direction is 'Source -> Destination'.]


CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: is made froms : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: is made froms : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

occurs at days

Class «placeable sets» in package 'stage 3 - simle order types'


occurs at days


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025


Extends parts-worldbound individuals wholes


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

 Aggregation «whole» from «placeable sets» occurs at days to Days
 [Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

ASSOCIATIONS

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination


From: : Aggregation, Public

To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination

From: , Public

To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination

From: , Public

To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue 'make' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events


[Direction is 'Source -> Destination'.]


CONNECTORS


CONNECTORS


 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public

statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue existence events


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025


Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

 Aggregation «whole» from «placeable sets» statue existence events to Clay Statues
 [Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

stage 4 - placeable sets

Package in package 'Diagrams'

stage 4 - placeable sets

Version 1.0 Phase 1.0 Proposed

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placeable sets diagram

Class diagram in package 'stage 4 - placeable sets'

placeable sets

Version 1.0

mittchella created on 14/05/2025. Last modified 22/05/2025

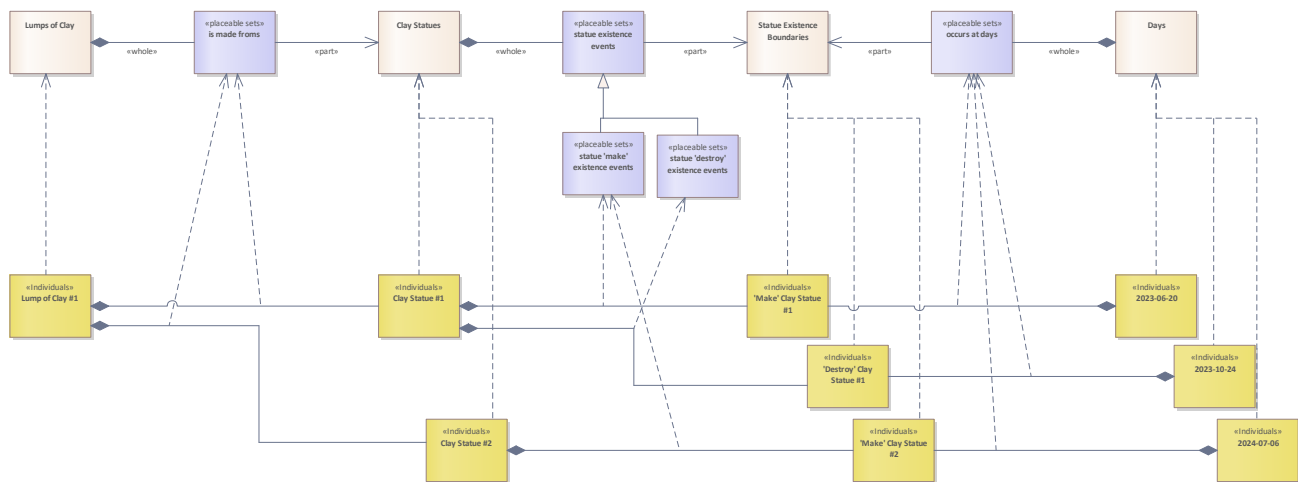


Figure 12: placeable sets

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1

Version 1.0 Phase 1.0 Proposed

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OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS

➡ **Dependency** Source -> Destination
From: 'Destroy' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'


'Make' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Make' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2

Class «Individuals» in package 'stage 1 - load'


'Make' Clay Statue #2
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public


2023-06-20

Class «Individuals» in package 'stage 1 - load'


2023-06-20

Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20

[Direction is 'Source -> Destination'.]

CONNECTORS **Dependency** Source -> Destination

From: 2023-06-20 : Class, Public


To: Days : Class, Public

2023-10-24*Class «Individuals» in package 'stage 1 - load'*

2023-10-24

Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24

[Direction is 'Source -> Destination'.]

CONNECTORS **Dependency** Source -> Destination

From: 2023-10-24 : Class, Public

To: Days : Class, Public

2024-07-06*Class «Individuals» in package 'stage 1 - load'*

2024-07-06

Version 1.0 Phase 1.0 Proposed


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INCOMING STRUCTURAL RELATIONSHIPS Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06

[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS


 **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

Clay Statue #1


Class «Individuals» in package 'stage 1 - load'


Clay Statue #1
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS


 Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

 Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2
Version 1.0 Phase 1.0 Proposed
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OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Lump of Clay #1

Class «Individuals» in package 'stage 1 - load'

Lump of Clay #1

Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination


From: Lump of Clay #1 : Class, Public

To: Lumps of Clay : Class, Public

Aggregation in package "

Version Phase
created on . Last modified


CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

Aggregation in package "

Version Phase
created on . Last modified


CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

Aggregation in package "

Version Phase
created on . Last modified


CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS


 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

Aggregation in package "

Version Phase

created on . Last modified

CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

Clay Statues


Class in package 'stage 3 - simle order types'

Clay Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Clay Statues to Statues
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from «placeable sets» statue existence events to Clay Statues
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues

Days

Class in package 'stage 3 - simle order types'

Days
Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Days to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

→ Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

↗ **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

↗ **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

is made froms

Class «placeable sets» in package 'stage 3 - simle order types'

is made froms

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 14/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes


[Direction is 'Source -> Destination'.]


← Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay

[Direction is 'Source -> Destination'.]


CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: is made froms : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: is made froms : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»


Target: Public (Class) Clay Statues

Lumps of Clay

Class in package 'stage 3 - simle order types'


Lumps of Clay
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 14/05/2025
 Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Lumps of Clay to Worldbound Individuals


[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Lump of Clay #1 : Class, Public
 To: Lumps of Clay : Class, Public

occurs at days

Class «placeable sets» in package 'stage 3 - simle order types'

occurs at days
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

← Aggregation «whole» from «placeable sets» occurs at days to Days
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


← Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'destroy' existence events : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
From: , Public
To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination
From: , Public
To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue 'make' existence events

Version 1.0 Phase 1.0 Proposed


mittchella created on 15/05/2025. Last modified 21/05/2025


Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]


CONNECTORS

 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public


 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'make' existence events : Class, Public

CONNECTORS


 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public


Statue Existence Boundaries

Class in package 'stage 3 - simle order types'


Statue Existence Boundaries
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends Momentary Individuals, Statue Temporal Stages


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Statue Existence Boundaries to Statue Temporal Stages
 [Direction is 'Source -> Destination'.]

 Generalization from Statue Existence Boundaries to Momentary Individuals
 [Direction is 'Source -> Destination'.]

CONNECTORS


 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) occurs at days «placeable sets» Target: Public (Class) Statue Existence Boundaries

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries

statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]


← Aggregation «whole» from «placeable sets» statue existence events to Clay Statues
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

⇒ Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

stage 5 - sub-super-set hierarchies

Package in package 'Diagrams'

stage 5 - sub-super-set hierarchies

Version 1.0 Phase 1.0 Proposed

mittchella created on 21/05/2025. Last modified 21/05/2025

Statue Temporal Stages diagram

Class diagram in package 'stage 5 - sub-super-set hierarchies'

Statue Temporal Stages

Version 1.0

mittchella created on 21/05/2025. Last modified 22/05/2025

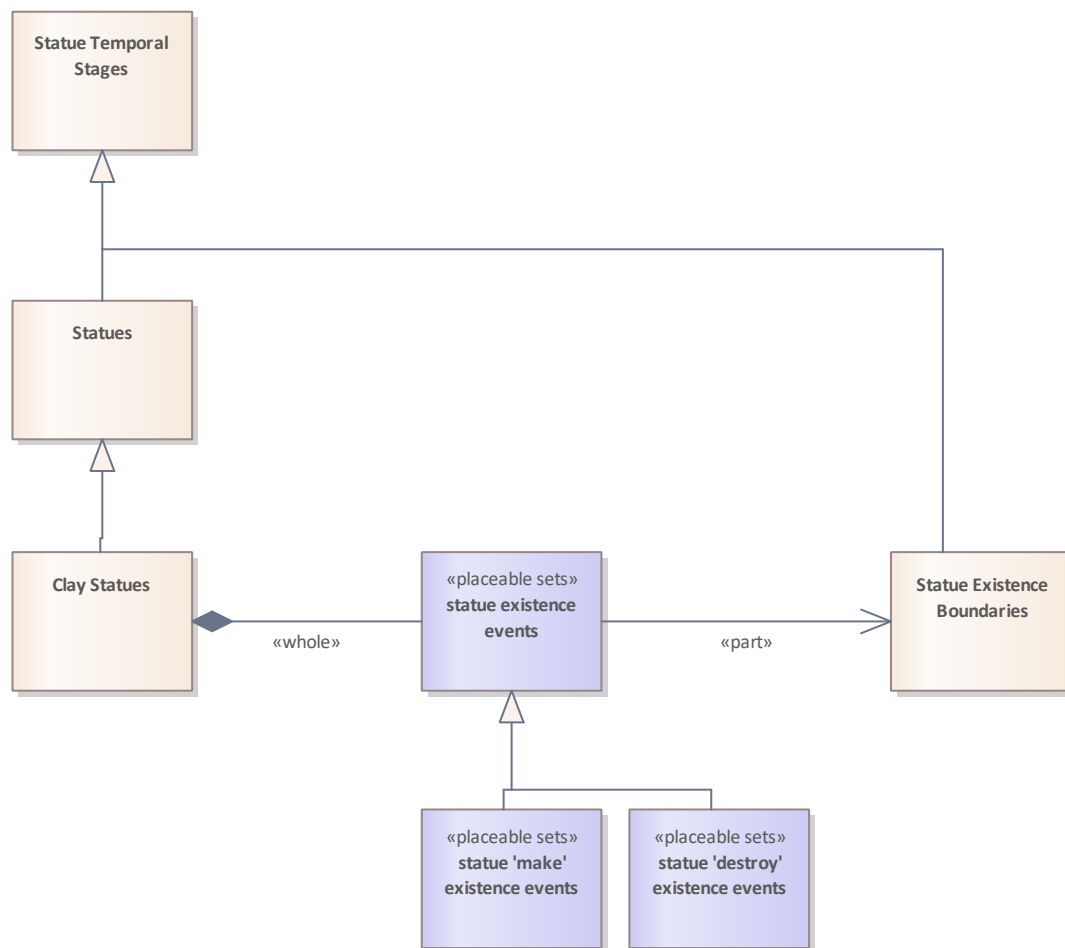


Figure 13: Statue Temporal Stages

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

→ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]


CONNECTORS


↗ **Dependency** Source -> Destination

From: : Aggregation, Public

To: statue 'destroy' existence events : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue 'make' existence events

Version 1.0 Phase 1.0 Proposed


mittchella created on 15/05/2025. Last modified 21/05/2025


Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
 [Direction is 'Source -> Destination'.]


CONNECTORS

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public


 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public

CONNECTORS


 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public


Statue Existence Boundaries

Class in package 'stage 3 - simle order types'


Statue Existence Boundaries
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends Momentary Individuals, Statue Temporal Stages


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Statue Existence Boundaries to Statue Temporal Stages
 [Direction is 'Source -> Destination'.]

 Generalization from Statue Existence Boundaries to Momentary Individuals
 [Direction is 'Source -> Destination'.]

CONNECTORS


 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) occurs at days «placeable sets» Target: Public (Class) Statue Existence Boundaries

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries

statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue existence events


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes [Direction is 'Source -> Destination'.]</p>
<p>← Aggregation «whole» from «placeable sets» statue existence events to Clay Statues [Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS
<p>→ Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events [Direction is 'Source -> Destination'.]</p>
<p>→ Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events [Direction is 'Source -> Destination'.]</p>

ASSOCIATIONS
<p> Association (direction: Source -> Destination) «part»</p> <p>Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries</p>

Statue Temporal Stages

Class in package 'stage 5 - sub-super-set hierarchies'

Statue Temporal Stages

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from Statue Temporal Stages to Worldbound Individuals [Direction is 'Source -> Destination'.]</p>
INCOMING STRUCTURAL RELATIONSHIPS
<p>→ Generalization from Statue Existence Boundaries to Statue Temporal Stages [Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

Statues

Class in package 'stage 5 - sub-super-set hierarchies'

Statues

Version 1.0 Phase 1.0 Proposed

mittella created on 15/05/2025. Last modified 21/05/2025

Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

⇒ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

Statues diagram

Class diagram in package 'stage 5 - sub-super-set hierarchies'

Statues

Version 1.0

mittella created on 21/05/2025. Last modified 22/05/2025

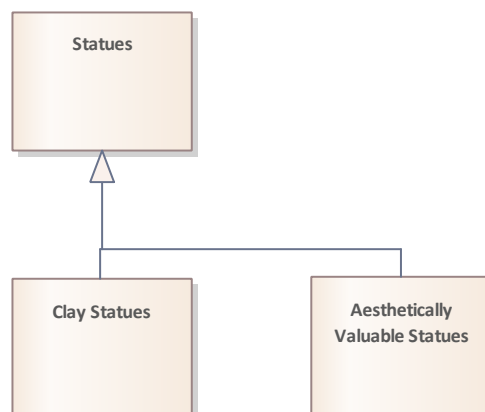


Figure 14: Statues

Aesthetically Valuable Statues

Class in package 'stage 3 - simle order types'

Aesthetically Valuable Statues

Version 1.0 Phase 1.0 Proposed

mittchella created on 21/05/2025. Last modified 21/05/2025

Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]


CONNECTORS

↗ **Dependency** Source -> Destination


From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues

Statues

Class in package 'stage 5 - sub-super-set hierarchies'

Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 15/05/2025. Last modified 21/05/2025
Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

 Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

stage 6 - top level model integration

Package in package 'Diagrams'

stage 6 - top level model integration

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 22/05/2025

is made froms diagram

Class diagram in package 'stage 6 - top level model integration'

is made froms

Version 1.0

mittchella created on 14/05/2025. Last modified 22/05/2025

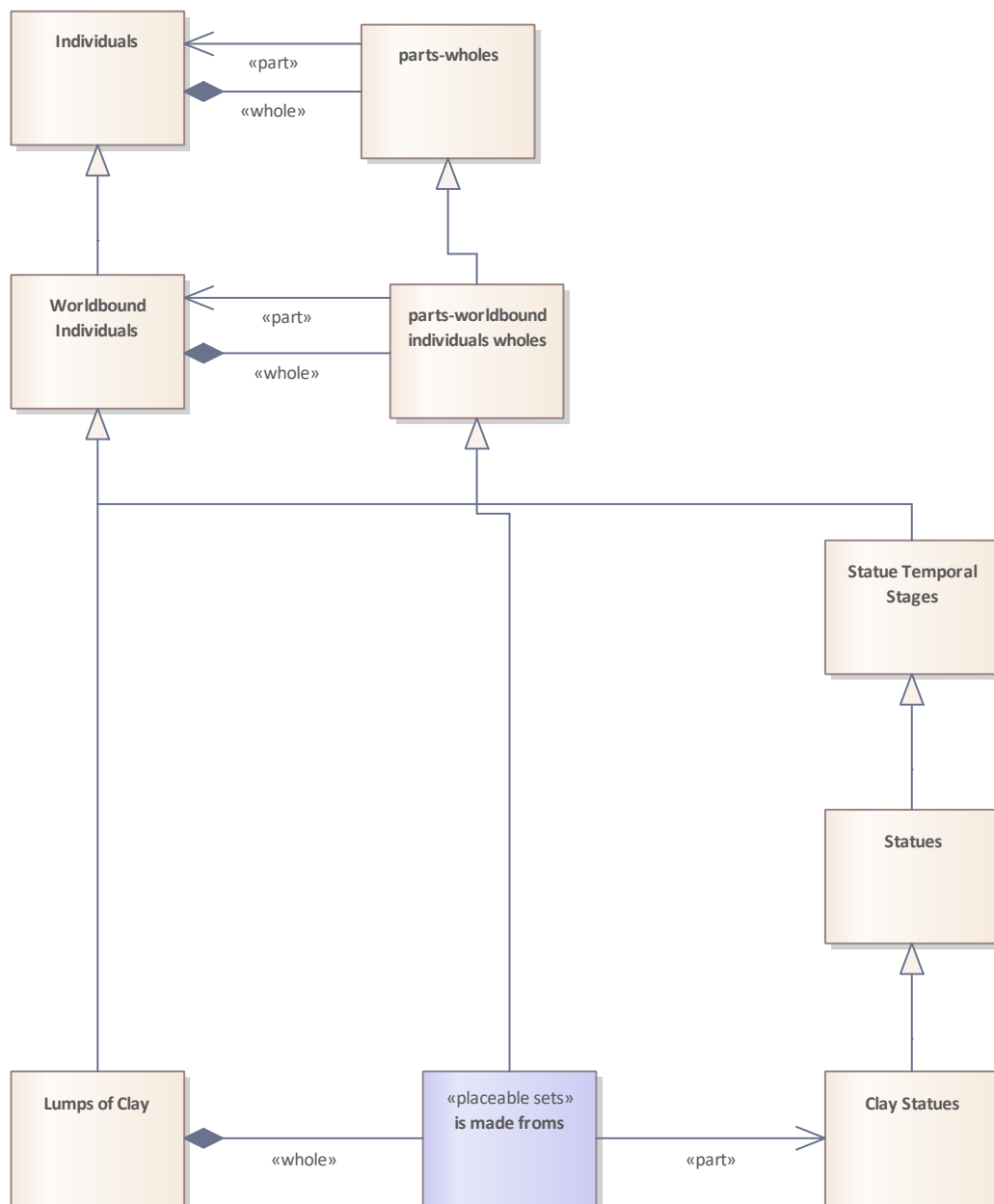


Figure 15: is made froms

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS	
 Dependency	Source -> Destination
From:	: Aggregation, Public
To:	is made froms : Class, Public

Aggregation in package "

Version Phase
created on . Last modified


CONNECTORS	
 Dependency	Source -> Destination
From:	: Aggregation, Public
To:	is made froms : Class, Public

Clay Statues

Class in package 'stage 3 - simle order types'


Clay Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Clay Statues to Statues	[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS	
 Aggregation «whole» from «placeable sets» statue existence events to Clay Statues	[Direction is 'Source -> Destination'.]

CONNECTORS	
 Dependency	Source -> Destination
From:	Clay Statue #1 : Class, Public
To:	Clay Statues : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

ASSOCIATIONS


 Association (direction: Source -> Destination) «part»
 Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues


is made froms

Class «placeable sets» in package 'stage 3 - simle order types'


is made froms
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 14/05/2025
 Extends parts-worldbound individuals wholes


OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]


 Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay
 [Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: is made froms : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: is made froms : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues

Lumps of Clay

Class in package 'stage 3 - simle order types'

Lumps of Clay
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 14/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Lumps of Clay to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Lump of Clay #1 : Class, Public
To: Lumps of Clay : Class, Public

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes
Version 1.0 Phase 1.0 Proposed
mitchella created on 18/01/2024. Last modified 22/05/2025
Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals

[Direction is 'Source -> Destination'.]

← Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]


⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Worldbound Individuals to Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Momentary Individuals to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Lumps of Clay to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Days to Worldbound Individuals
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes


Target: Public (Class) Worldbound Individuals

Individuals


Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Individuals to Tuple Placeable Objects

[Direction is 'Source -> Destination'.]

 Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

 Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

← Generalization from parts-wholes to grounding relations


[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Statue Temporal Stages

Class in package 'stage 5 - sub-super-set hierarchies'

Statue Temporal Stages
Version 1.0 Phase 1.0 Proposed
mitchella created on 15/05/2025. Last modified 21/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

⇒ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

Statues

Class in package 'stage 5 - sub-super-set hierarchies'

Statues

Version 1.0 Phase 1.0 Proposed
 mitchella created on 15/05/2025. Last modified 21/05/2025
 Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

⇒ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

occurs at days diagram

Class diagram in package 'stage 6 - top level model integration'

occurs at days

Version 1.0

mitchella created on 14/05/2025. Last modified 22/05/2025

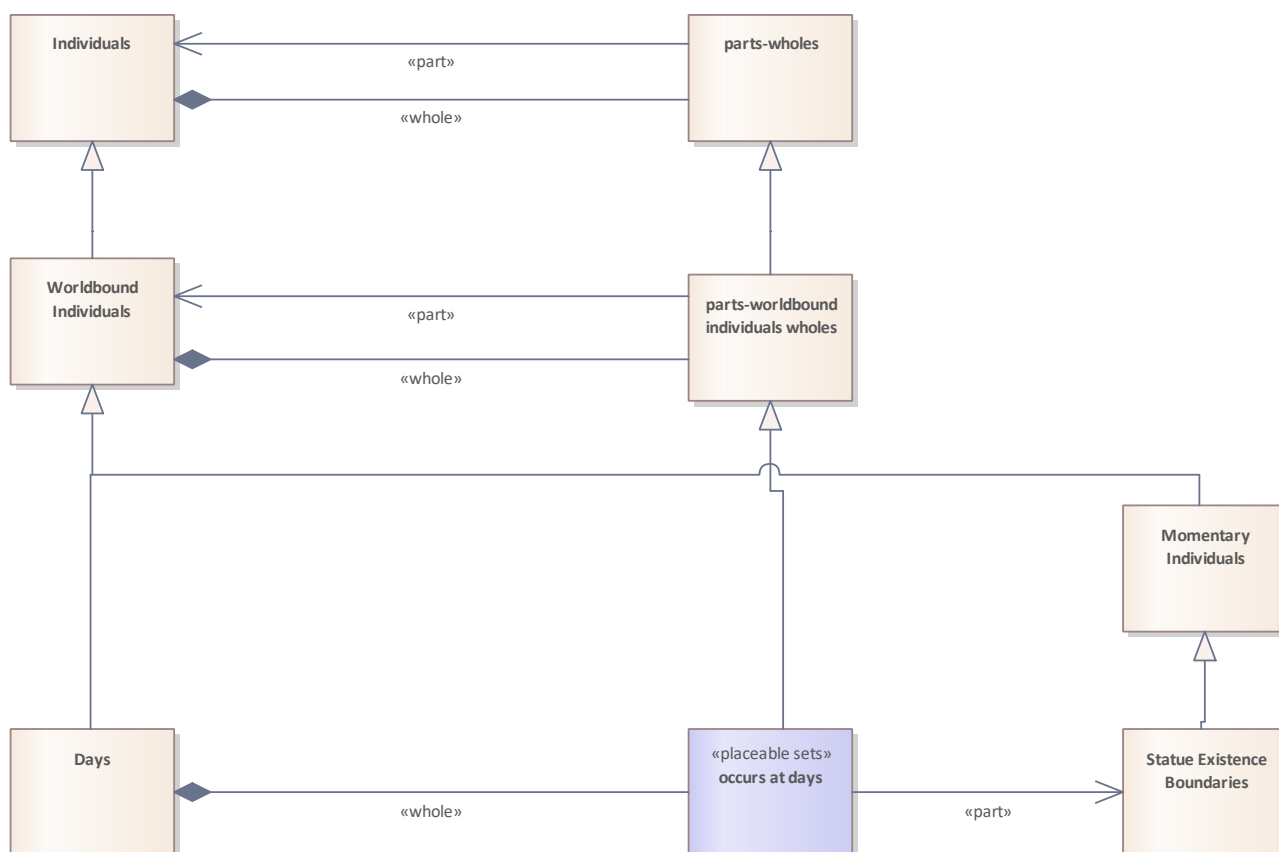


Figure 16: occurs at days

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS	
 Dependency	Source -> Destination
From:	: Aggregation, Public
To:	occurs at days : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS	
 Dependency	Source -> Destination
From:	: Aggregation, Public
To:	occurs at days : Class, Public

Aggregation in package "

Version Phase
created on . Last modified


CONNECTORS	
 Dependency	Source -> Destination
From:	: Aggregation, Public
To:	occurs at days : Class, Public

Days


Class in package 'stage 3 - simle order types'

Days
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 16/05/2025
Extends Worldbound Individuals




OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS Generalization from Days to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]


CONNECTORS **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public**occurs at days***Class «placeable sets» in package 'stage 3 - simle order types'*

occurs at days


Version 1.0 Phase 1.0 Proposed

mitchella created on 14/05/2025. Last modified 15/05/2025


Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes


[Direction is 'Source -> Destination'.]


 Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]


CONNECTORS **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»


Target: Public (Class) Statue Existence Boundaries

Statue Existence Boundaries


Class in package 'stage 3 - simle order types'

Statue Existence Boundaries
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends Momentary Individuals, Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Statue Existence Boundaries to Statue Temporal Stages


[Direction is 'Source -> Destination'.]


 Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	
Source: Public (Class) occurs at days «placeable sets»	Target: Public (Class) Statue Existence Boundaries
✎ Association (direction: Source -> Destination) «part»	
Source: Public (Class) statue existence events «placeable sets»	Target: Public (Class) Statue Existence Boundaries

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 18/01/2024. Last modified 22/05/2025
 Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals [Direction is 'Source -> Destination'.]	
⇐ Generalization from parts-worldbound individuals wholes to parts-wholes [Direction is 'Source -> Destination'.]	

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes [Direction is 'Source -> Destination'.]	
⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes [Direction is 'Source -> Destination'.]	
⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes [Direction is 'Source -> Destination'.]	

ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	
Source: Public (Class) parts-worldbound individuals wholes	Target: Public (Class) Worldbound Individuals

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.




They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Worldbound Individuals to Individuals	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
 Generalization from Statue Temporal Stages to Worldbound Individuals	[Direction is 'Source -> Destination'.]
 Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals	[Direction is 'Source -> Destination'.]
 Generalization from Momentary Individuals to Worldbound Individuals	[Direction is 'Source -> Destination'.]
 Generalization from Lumps of Clay to Worldbound Individuals	[Direction is 'Source -> Destination'.]
 Generalization from Days to Worldbound Individuals	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «part»	
Source: Public (Class) parts-worldbound individuals wholes	Target: Public (Class) Worldbound Individuals

Individuals

Class in package 'stage 6 - top level model integration'

Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Individuals to Tuple Placeable Objects

[Direction is 'Source -> Destination'.]

← Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes

Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

⇐ Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

statue existence events diagram

Class diagram in package 'stage 6 - top level model integration'

statue existence events

Version 1.0

mittchella created on 14/05/2025. Last modified 22/05/2025

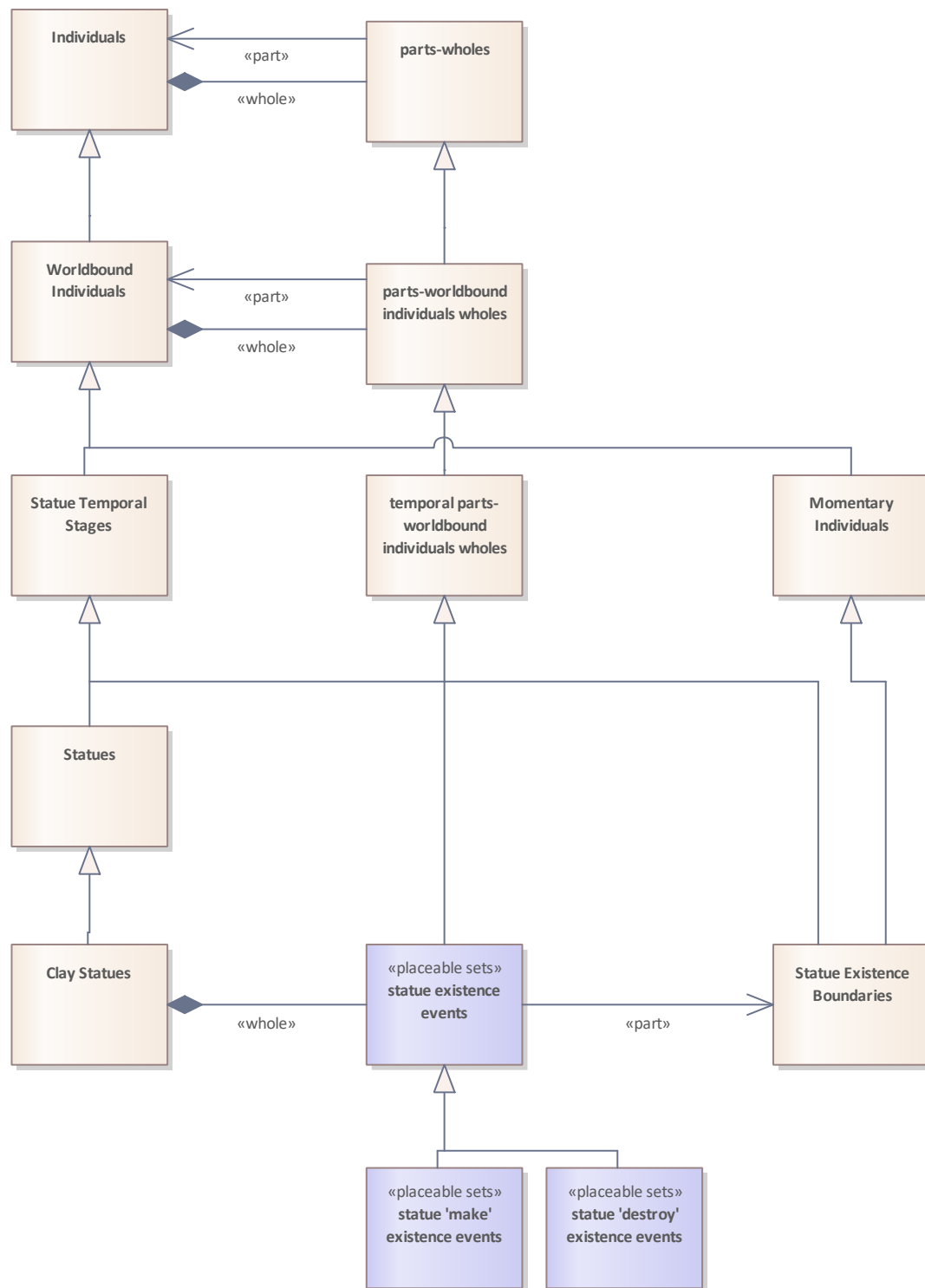


Figure 17: statue existence events

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

→ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: : Aggregation, Public

To: statue 'destroy' existence events : Class, Public

CONNECTORS**Dependency** Source -> Destination

From: , Public

To: statue 'destroy' existence events : Class, Public

**Dependency** Source -> Destination

From: , Public

To: statue 'destroy' existence events : Class, Public

statue 'make' existence events*Class «placeable sets» in package 'stage 3 - simle order types'*

statue 'make' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]

CONNECTORS**Dependency** Source -> Destination

From: , Public

To: statue 'make' existence events : Class, Public

**Dependency** Source -> Destination

From: , Public

To: statue 'make' existence events : Class, Public

**Dependency** Source -> Destination

From: , Public

To: statue 'make' existence events : Class, Public

**Dependency** Source -> Destination

From: , Public


To: statue 'make' existence events : Class, Public

**Dependency** Source -> Destination

From: : Aggregation, Public

To: statue 'make' existence events : Class, Public

CONNECTORS


 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public


Statue Existence Boundaries

Class in package 'stage 3 - simle order types'


Statue Existence Boundaries
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends Momentary Individuals, Statue Temporal Stages


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Statue Existence Boundaries to Statue Temporal Stages
 [Direction is 'Source -> Destination'.]

 Generalization from Statue Existence Boundaries to Momentary Individuals
 [Direction is 'Source -> Destination'.]

CONNECTORS


 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) occurs at days «placeable sets» Target: Public (Class) Statue Existence Boundaries

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries

statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue existence events


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes [Direction is 'Source -> Destination'.]</p>
<p>← Aggregation «whole» from «placeable sets» statue existence events to Clay Statues [Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS
<p>→ Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events [Direction is 'Source -> Destination'.]</p>
<p>→ Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events [Direction is 'Source -> Destination'.]</p>

ASSOCIATIONS
<p> Association (direction: Source -> Destination) «part»</p> <p>Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries</p>

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes

Version 1.0 Phase 1.0 Proposed

mittchella created on 18/01/2024. Last modified 22/05/2025


Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals [Direction is 'Source -> Destination'.]</p>
<p>← Generalization from parts-worldbound individuals wholes to parts-wholes [Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

-  Association (direction: Source -> Destination) «part»
- Source: Public (Class) parts-worldbound individuals wholes Target: Public (Class) Worldbound Individuals

temporal parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

temporal parts-worldbound individuals wholes

Version 1.0 Phase 1.0 Proposed

mittchella created on 26/03/2024. Last modified 22/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

- ⇐ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals
Version 1.0 Phase 1.0 Proposed
mittchella created on 09/01/2024. Last modified 22/05/2025
Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Lumps of Clay to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Days to Worldbound Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Individuals to Tuple Placeable Objects

[Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

← Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Statue Temporal Stages

Class in package 'stage 5 - sub-super-set hierarchies'

Statue Temporal Stages
Version 1.0 Phase 1.0 Proposed
mittchella created on 15/05/2025. Last modified 21/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

⇒ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

Statues

Class in package 'stage 5 - sub-super-set hierarchies'

Statues

Version 1.0 Phase 1.0 Proposed
mitchella created on 15/05/2025. Last modified 21/05/2025
Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

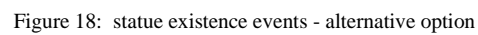
⇒ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

statue existence events - alternative option diagram

Class diagram in package 'stage 6 - top level model integration'


statue existence events - alternative option
Version 1.0
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Class in package 'stage 3 - simle order types'


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CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025


Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'make' existence events
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 15/05/2025. Last modified 21/05/2025
 Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
 [Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public

Statue Existence Boundaries

Class in package 'stage 3 - simle order types'

Statue Existence Boundaries
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends Momentary Individuals, Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Existence Boundaries to Statue Temporal Stages
 [Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: 'Make' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

↗ **Dependency** Source -> Destination

From: 'Destroy' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

↗ **Dependency** Source -> Destination

From: 'Make' Clay Statue #2 : Class, Public

To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue existence events

Version 1.0 Phase 1.0 Proposed

mittella created on 14/05/2025. Last modified 15/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

← Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events	[Direction is 'Source -> Destination'.]
⇒ Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	
Source: Public (Class) statue existence events «placeable sets»	Target: Public (Class) Statue Existence Boundaries

Note in package 'stage 6 - top level model integration'

We could use boundaries for the statue existence events.

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 mitchella created on 15/05/2025. Last modified 15/05/2025
 Extends

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes
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 Extends parts-wholes


OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇐ Generalization from parts-worldbound individuals wholes to parts-wholes	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

temporal parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

temporal parts-worldbound individuals wholes

Version 1.0 Phase 1.0 Proposed

mittchella created on 26/03/2024. Last modified 22/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Lumps of Clay to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Days to Worldbound Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS




⇒ Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

Statue Temporal Stages

Class in package 'stage 5 - sub-super-set hierarchies'




Statue Temporal Stages
Version 1.0 Phase 1.0 Proposed
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Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Statue Temporal Stages to Worldbound Individuals	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
 Generalization from Statue Existence Boundaries to Statue Temporal Stages	[Direction is 'Source -> Destination'.]
 Generalization from Statues to Statue Temporal Stages	[Direction is 'Source -> Destination'.]

Statues

Class in package 'stage 5 - sub-super-set hierarchies'

Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 15/05/2025. Last modified 21/05/2025
Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Statues to Statue Temporal Stages	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
 Generalization from Clay Statues to Statues	[Direction is 'Source -> Destination'.]
 Generalization from Aesthetically Valuable Statues to Statues	[Direction is 'Source -> Destination'.]

end boundings of worldbound individuals

Class in package 'alternative option'

end boundings of worldbound individuals
Version 1.0 Phase 1.0 Proposed
mittchella created on 24/05/2024. Last modified 22/05/2025
Extends temporal boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from end boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from end boundaries of worldbound individuals to end boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

start boundings of worldbound individuals

Class in package 'alternative option'

start boundings of worldbound individuals
Version 1.0 Phase 1.0 Proposed
mittchella created on 24/05/2024. Last modified 22/05/2025
Extends temporal boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from start boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from start boundaries of worldbound individuals to start boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

temporal boundings of worldbound individuals

Class in package 'alternative option'

temporal boundings of worldbound individuals
Version 1.0 Phase 1.0 Proposed
mittchella created on 24/05/2024. Last modified 22/05/2025
Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from start boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from end boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

end boundaries of worldbound individuals

Class in package 'alternative option'

end boundaries of worldbound individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends end boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from end boundaries of worldbound individuals to end boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

start boundaries of worldbound individuals

Class in package 'alternative option'

start boundaries of worldbound individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends start boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from start boundaries of worldbound individuals to start boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

Top Level Model Stitching diagram

Class diagram in package 'stage 6 - top level model integration'

Top Level Model Stitching
Version 1.0
mitchella created on 22/05/2025. Last modified 22/05/2025

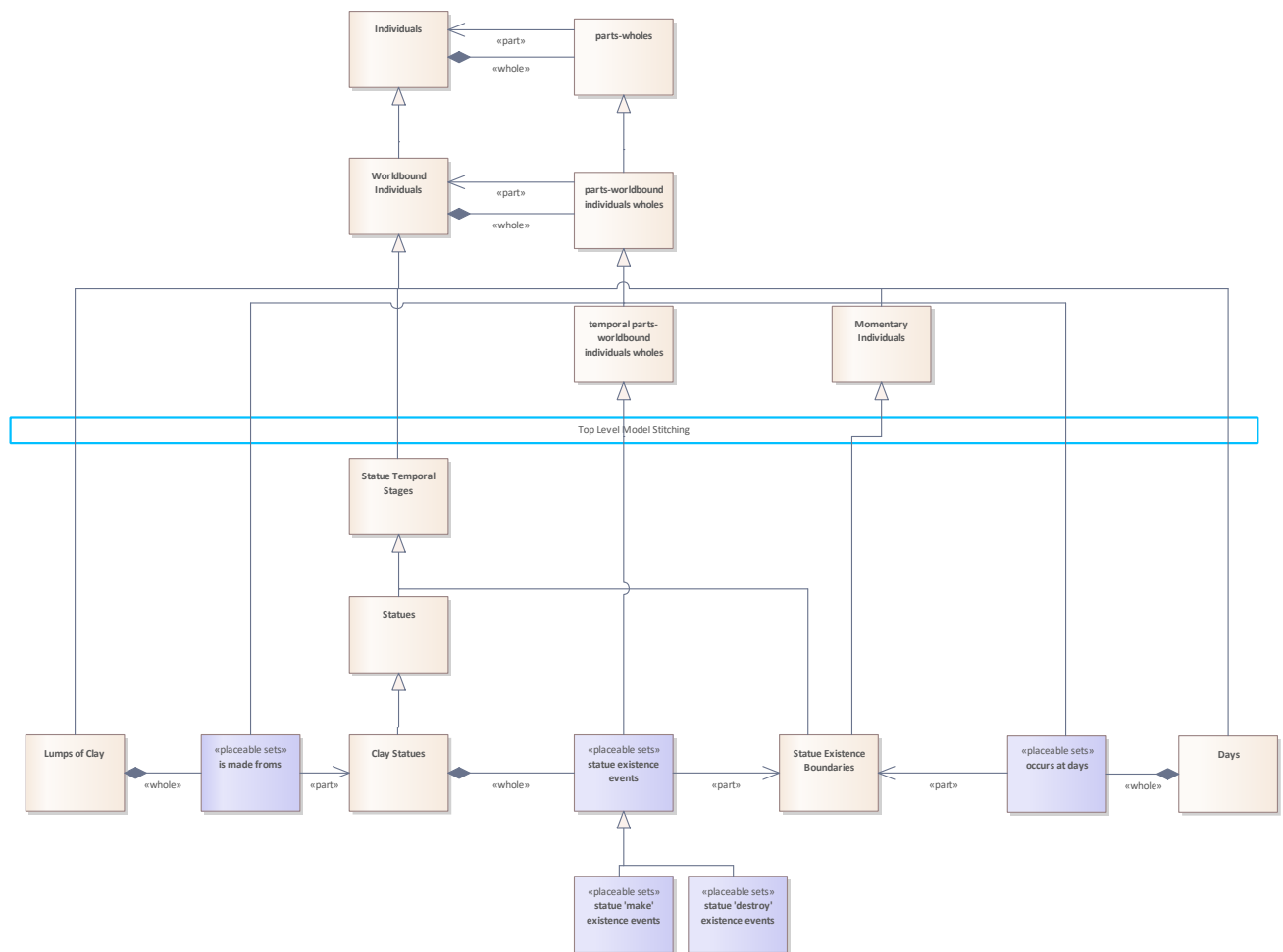


Figure 19: Top Level Model Stitching

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS


⇒ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]


CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

Days

Class in package 'stage 3 - simle order types'

Days

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Days to Worldbound Individuals


[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: 2023-10-24 : Class, Public
 To: Days : Class, Public

 **Dependency** Source -> Destination
 From: 2024-07-06 : Class, Public
 To: Days : Class, Public

 **Dependency** Source -> Destination
 From: 2023-06-20 : Class, Public
 To: Days : Class, Public

is made froms

Class «placeable sets» in package 'stage 3 - simle order types'

is made froms

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 14/05/2025


Extends parts-worldbound individuals wholes


OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

← Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

Lumps of Clay

Class in package 'stage 3 - simle order types'

Lumps of Clay

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 14/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Lumps of Clay to Worldbound Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay

[Direction is 'Source -> Destination'.]

CONNECTORS

➡ **Dependency** Source -> Destination
From: Lump of Clay #1 : Class, Public
To: Lumps of Clay : Class, Public

occurs at days

Class «placeable sets» in package 'stage 3 - simle order types'

occurs at days

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

⬅ Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]

CONNECTORS

➡ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

➡ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

➡ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

ASSOCIATIONS

➡ Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'destroy' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'destroy' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'make' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


← Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]


CONNECTORS


↗ **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public


CONNECTORS

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public


 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'make' existence events : Class, Public


Statue Existence Boundaries

Class in package 'stage 3 - simle order types'


Statue Existence Boundaries
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends Momentary Individuals, Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Statue Existence Boundaries to Statue Temporal Stages
 [Direction is 'Source -> Destination'.]

 Generalization from Statue Existence Boundaries to Momentary Individuals
 [Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

CONNECTORS**Dependency** Source -> Destination

From: 'Destroy' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

**Dependency** Source -> Destination

From: 'Make' Clay Statue #2 : Class, Public

To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries



Association (direction: Source -> Destination) «part»

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue existence events*Class «placeable sets» in package 'stage 3 - simle order types'*

statue existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]



Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]



Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

Association (direction: Source -> Destination) «part»

ASSOCIATIONS

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

Top Level Model Stitching*Boundary in package 'stage 6 - top level model integration'*

Top Level Model Stitching

Version 1.0 Phase 1.0 Proposed

mitchella created on 22/05/2025. Last modified 22/05/2025

Extends

parts-worldbound individuals wholes*Class in package 'stage 6 - top level model integration'*

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes

Version 1.0 Phase 1.0 Proposed

mitchella created on 18/01/2024. Last modified 22/05/2025

Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals

[Direction is 'Source -> Destination'.]

← Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

temporal parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

temporal parts-worldbound individuals wholes

Version 1.0 Phase 1.0 Proposed

mittchella created on 26/03/2024. Last modified 22/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

- ↔ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

- ↔ Generalization from Worldbound Individuals to Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from Statue Temporal Stages to Worldbound Individuals
[Direction is 'Source -> Destination'.]
- ⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Momentary Individuals to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Lumps of Clay to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Days to Worldbound Individuals	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	
Source: Public (Class) parts-worldbound individuals wholes	Target: Public (Class) Worldbound Individuals

Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Generalization from Individuals to Tuple Placeable Objects	[Direction is 'Source -> Destination'.]
⇐ Generalization from Individuals to Objects	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation «whole» from parts-wholes to Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Worldbound Individuals to Individuals	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	
<<part>>	

ASSOCIATIONS

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Momentary Individuals*Class in package 'stage 6 - top level model integration'*

Momentary Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

parts-wholes*Class in package 'stage 6 - top level model integration'*

parts-wholes

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

← Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

<<part>>

ASSOCIATIONS

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Statue Temporal Stages*Class in package 'stage 5 - sub-super-set hierarchies'*

Statue Temporal Stages

Version 1.0 Phase 1.0 Proposed

mitchella created on 15/05/2025. Last modified 21/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

⇒ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

Statues*Class in package 'stage 5 - sub-super-set hierarchies'*

Statues

Version 1.0 Phase 1.0 Proposed

mitchella created on 15/05/2025. Last modified 21/05/2025

Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

⇒ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

Top Level Model

Package in package 'stage 6 - top level model integration'

Top Level Model
Version 1.0 Phase 1.0 Proposed
mitchella created on 22/05/2025. Last modified 22/05/2025

Top Level Model diagram

Class diagram in package 'Top Level Model'

Top Level Model
Version 1.0
mitchella created on 22/05/2025. Last modified 22/05/2025

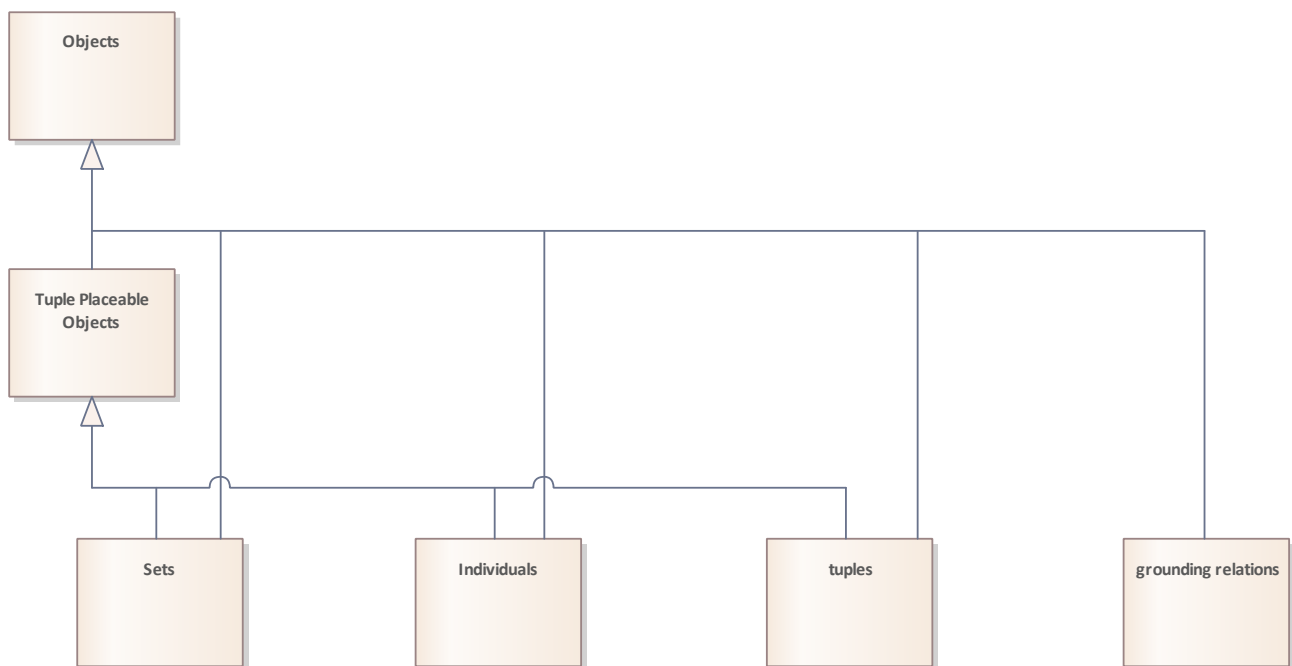


Figure 20: Top Level Model

grounding relations

Class in package 'stage 6 - top level model integration'

grounding relations
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from grounding relations to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from elements-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from tuple places to grounding relations	[Direction is 'Source -> Destination'.]
⇒ Generalization from sub-super-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from parts-wholes to grounding relations	[Direction is 'Source -> Destination'.]


Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Generalization from Individuals to Tuple Placeable Objects	[Direction is 'Source -> Destination'.]
⇐ Generalization from Individuals to Objects	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation «whole» from parts-wholes to Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Worldbound Individuals to Individuals	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) «part» <<part>> Source: Public (Class) parts-wholes Target: Public (Class) Individuals	

ASSOCIATIONS

Objects


Class in package 'stage 6 - top level model integration'

Objects
Version Phase
created on 05/04/2022. Last modified 22/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from Sets to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Sets")
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from Tuple Placeable Objects to Objects
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from tuples to Objects
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from Individuals to Objects
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from grounding relations to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

-  Association (direction: Source -> Destination) «element»
Source: Public (Class) elements-sets Target: Public (Class) Objects

Sets

Class in package 'stage 6 - top level model integration'

Sets
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Sets to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

← Generalization from Sets to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «set»

Source: Public (Class) elements-sets

Target: Public (Class) Sets

✎ Association (direction: Source -> Destination) «sub-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

✎ Association (direction: Source -> Destination) «super-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

Tuple Placeable Objects

Class in package 'stage 6 - top level model integration'

Tuple Placeable Objects

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Tuple Placeable Objects to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Sets to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

⇒ Generalization from Individuals to Tuple Placeable Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from tuples to Tuple Placeable Objects
 (pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "plurality of tuples")

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «placed»

Source: Public (Class) tuple places

Target: Public (Class) Tuple Placeable Objects

tuples

Class in package 'stage 6 - top level model integration'

tuples
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from tuples to Tuple Placeable Objects
 (pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "plurality of tuples")

[Direction is 'Source -> Destination'.]

⬅ Generalization from tuples to Objects

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «placing»

Source: Public (Class) tuple places

Target: Public (Class) tuples

elements-sets diagram

Class diagram in package 'Top Level Model'

elements-sets
 Version 1.0
 mitchella created on 22/05/2025. Last modified 22/05/2025

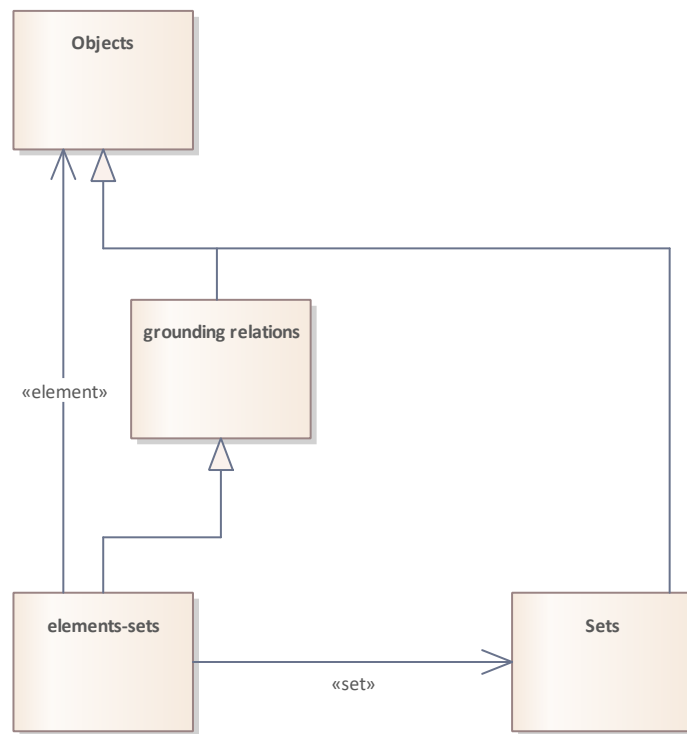


Figure 21: elements-sets

elements-sets

Class in package 'stage 6 - top level model integration'

elements-sets
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

- Generalization from elements-sets to grounding relations
(pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

- Association (direction: Source -> Destination) «set»
Source: Public (Class) elements-sets Target: Public (Class) Sets
- Association (direction: Source -> Destination) «element»
Source: Public (Class) elements-sets Target: Public (Class) Objects

grounding relations

Class in package 'stage 6 - top level model integration'

grounding relations

Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from grounding relations to Objects
 (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from elements-sets to grounding relations
 (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")

[Direction is 'Source -> Destination'.]

⇒ Generalization from tuple places to grounding relations

[Direction is 'Source -> Destination'.]

⇒ Generalization from sub-super-sets to grounding relations
 (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")

[Direction is 'Source -> Destination'.]

⇒ Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

Objects

Class in package 'stage 6 - top level model integration'

Objects
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Sets to Objects
 (pluralityHasSubPlurality "Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

⇒ Generalization from Tuple Placeable Objects to Objects

[Direction is 'Source -> Destination'.]

⇒ Generalization from tuples to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

⇒ Generalization from grounding relations to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «element»

Source: Public (Class) elements-sets

Target: Public (Class) Objects

Sets

Class in package 'stage 6 - top level model integration'

Sets

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS


⇐ Generalization from Sets to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

⇐ Generalization from Sets to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «set»


Source: Public (Class) elements-sets

Target: Public (Class) Sets

 Association (direction: Source -> Destination) «sub-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

 Association (direction: Source -> Destination) «super-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

parts-wholes diagram

Class diagram in package 'Top Level Model'

parts-wholes

Version 1.0

mittchella created on 22/05/2025. Last modified 22/05/2025

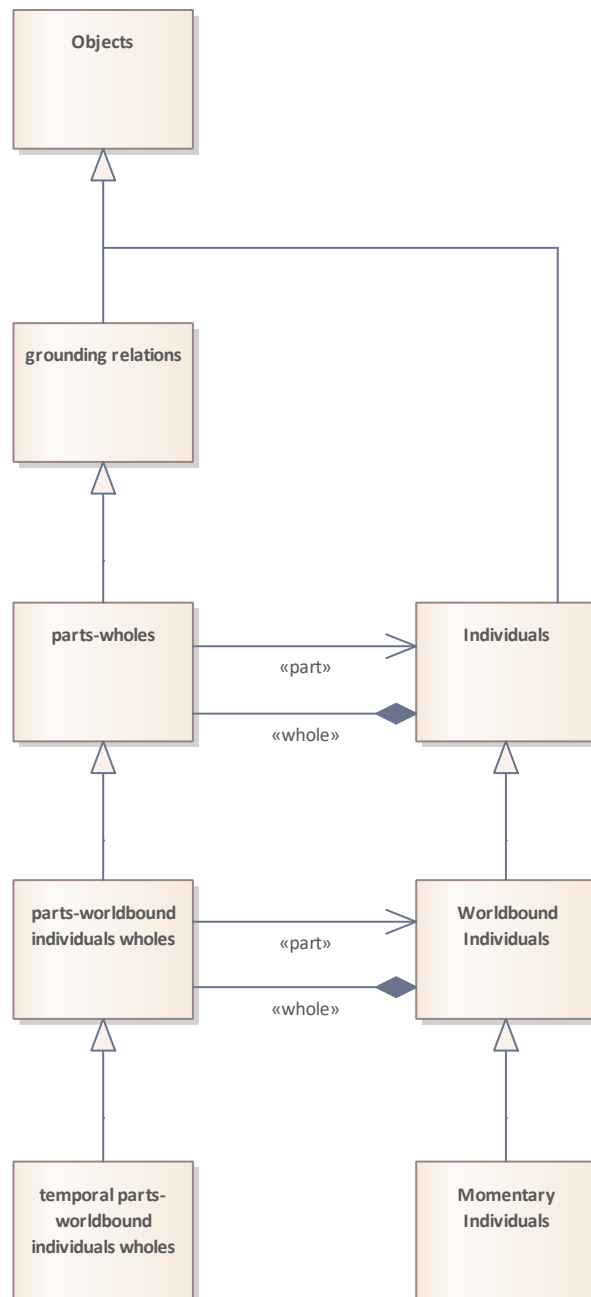


Figure 22: parts-wholes

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes
Version 1.0 Phase 1.0 Proposed
mittchella created on 18/01/2024. Last modified 22/05/2025
Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇐ Generalization from parts-worldbound individuals wholes to parts-wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

temporal parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

temporal parts-worldbound individuals wholes
Version 1.0 Phase 1.0 Proposed
mittchella created on 26/03/2024. Last modified 22/05/2025
Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Worldbound Individuals to Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Momentary Individuals to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Lumps of Clay to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Days to Worldbound Individuals
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

ASSOCIATIONS

grounding relations*Class in package 'stage 6 - top level model integration'*

grounding relations

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from grounding relations to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")</p> <p>[Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Generalization from elements-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from tuple places to grounding relations</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from sub-super-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from parts-wholes to grounding relations</p> <p>[Direction is 'Source -> Destination'.]</p>

Individuals*Class in package 'stage 6 - top level model integration'*

Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from Individuals to Tuple Placeable Objects</p> <p>[Direction is 'Source -> Destination'.]</p>

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

↔ Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]


Objects

Class in package 'stage 6 - top level model integration'

Objects

Version Phase

created on 05/04/2022. Last modified 22/05/2025

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Sets to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from Tuple Placeable Objects to Objects	[Direction is 'Source -> Destination'.]
⇒ Generalization from tuples to Objects	[Direction is 'Source -> Destination'.]
⇒ Generalization from Individuals to Objects	[Direction is 'Source -> Destination'.]
⇒ Generalization from grounding relations to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «element»	
Source: Public (Class) elements-sets	Target: Public (Class) Objects

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Aggregation «whole» from parts-wholes to Individuals	[Direction is 'Source -> Destination'.]
⇐ Generalization from parts-wholes to grounding relations	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from parts-worldbound individuals wholes to parts-wholes	[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

sub-super-sets diagram

Class diagram in package 'Top Level Model'

sub-super-sets

Version 1.0

mittchella created on 22/05/2025. Last modified 22/05/2025

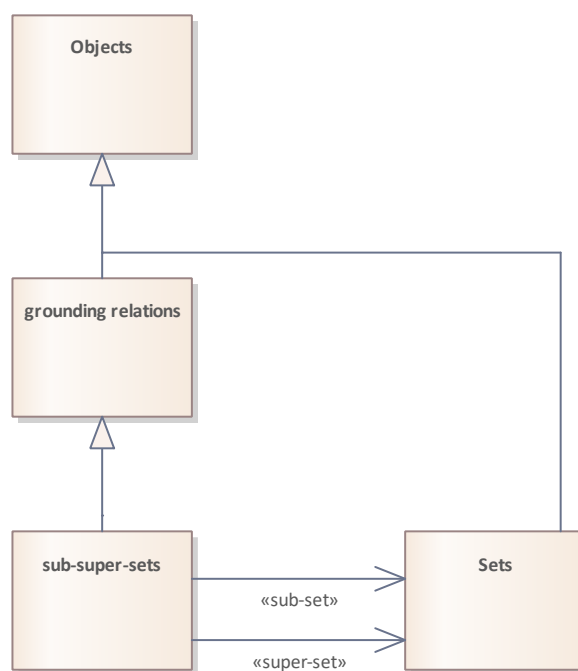


Figure 23: sub-super-sets

grounding relations

Class in package 'stage 6 - top level model integration'


grounding relations

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from grounding relations to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
<p>⇒ Generalization from elements-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from tuple places to grounding relations</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from sub-super-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from parts-wholes to grounding relations</p>	[Direction is 'Source -> Destination'.]

Objects

Class in package 'stage 6 - top level model integration'

Objects
Version Phase
created on 05/04/2022. Last modified 22/05/2025

INCOMING STRUCTURAL RELATIONSHIPS	
<p>⇒ Generalization from Sets to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Sets")</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from Tuple Placeable Objects to Objects</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from tuples to Objects</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from Individuals to Objects</p>	[Direction is 'Source -> Destination'.]
<p>⇒ Generalization from grounding relations to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")</p>	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
<p>✎ Association (direction: Source -> Destination) «element»</p>	

ASSOCIATIONS

Source: Public (Class) elements-sets

Target: Public (Class) Objects

Sets*Class in package 'stage 6 - top level model integration'*

Sets

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Sets to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

← Generalization from Sets to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «set»

Source: Public (Class) elements-sets

Target: Public (Class) Sets

✎ Association (direction: Source -> Destination) «sub-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

✎ Association (direction: Source -> Destination) «super-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

sub-super-sets*Class in package 'stage 6 - top level model integration'*

sub-super-sets

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

↩ Generalization from sub-super-sets to grounding relations
 (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «sub-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

✎ Association (direction: Source -> Destination) «super-set»

Source: Public (Class) sub-super-sets

Target: Public (Class) Sets

tuple places diagram

Class diagram in package 'Top Level Model'

tuple places

Version 1.0

mitchella created on 22/05/2025. Last modified 22/05/2025

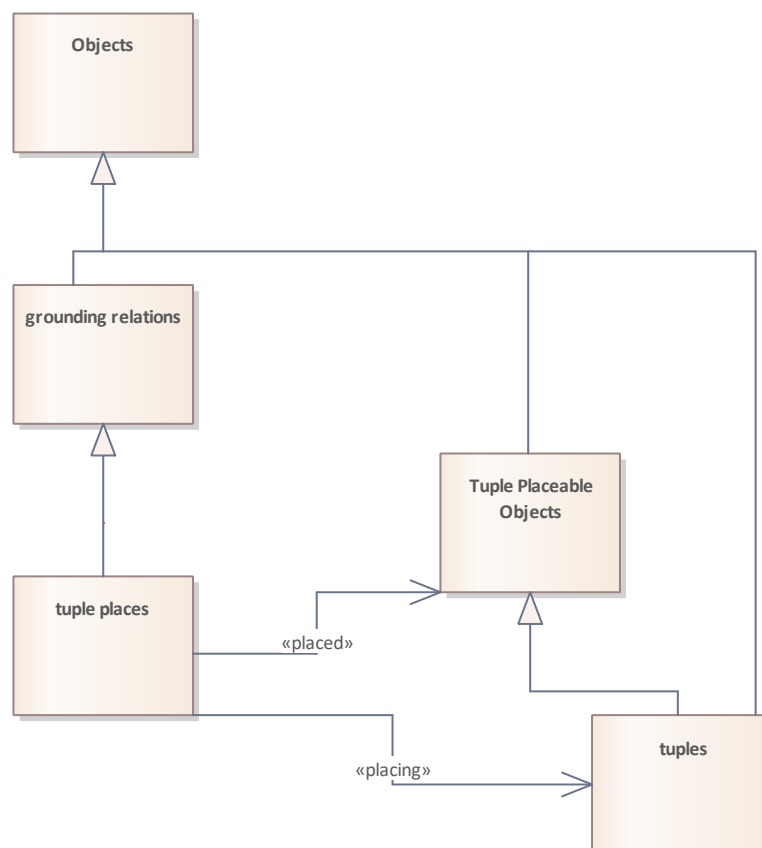


Figure 24: tuple places

grounding relations*Class in package 'stage 6 - top level model integration'*

grounding relations

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Generalization from grounding relations to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from elements-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from tuple places to grounding relations	[Direction is 'Source -> Destination'.]
⇒ Generalization from sub-super-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from parts-wholes to grounding relations	[Direction is 'Source -> Destination'.]


Objects*Class in package 'stage 6 - top level model integration'*

Objects

Version Phase

created on 05/04/2022. Last modified 22/05/2025


INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Sets to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from Tuple Placeable Objects to Objects	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from tuples to Objects	[Direction is 'Source -> Destination'.]
⇒ Generalization from Individuals to Objects	[Direction is 'Source -> Destination'.]
⇒ Generalization from grounding relations to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «element»	
Source: Public (Class) elements-sets	Target: Public (Class) Objects

Tuple Placeable Objects

Class in package 'stage 6 - top level model integration'

Tuple Placeable Objects
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Generalization from Tuple Placeable Objects to Objects	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Sets to Tuple Placeable Objects (pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from Individuals to Tuple Placeable Objects	[Direction is 'Source -> Destination'.]
⇒ Generalization from tuples to Tuple Placeable Objects (pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "plurality of tuples")	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «placed»	

ASSOCIATIONS

Source: Public (Class) tuple places

Target: Public (Class) Tuple Placeable Objects

tuple places*Class in package 'stage 6 - top level model integration'*

tuple places

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from tuple places to grounding relations

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «placing»

Source: Public (Class) tuple places

Target: Public (Class) tuples

✎ Association (direction: Source -> Destination) «placed»

Source: Public (Class) tuple places

Target: Public (Class) Tuple Placeable Objects

tuples*Class in package 'stage 6 - top level model integration'*

tuples

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS← Generalization from tuples to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "plurality of tuples")

[Direction is 'Source -> Destination'.]

← Generalization from tuples to Objects

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «placing»

ASSOCIATIONS

Source: Public (Class) tuple places

Target: Public (Class) tuples

full*Package in package 'Diagrams'*

full

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 22/05/2025

Aesthetically Valuable Statues diagram*Class diagram in package 'full'*

Aesthetically Valuable Statues

Version 1.0

mittchella created on 21/05/2025. Last modified 22/05/2025

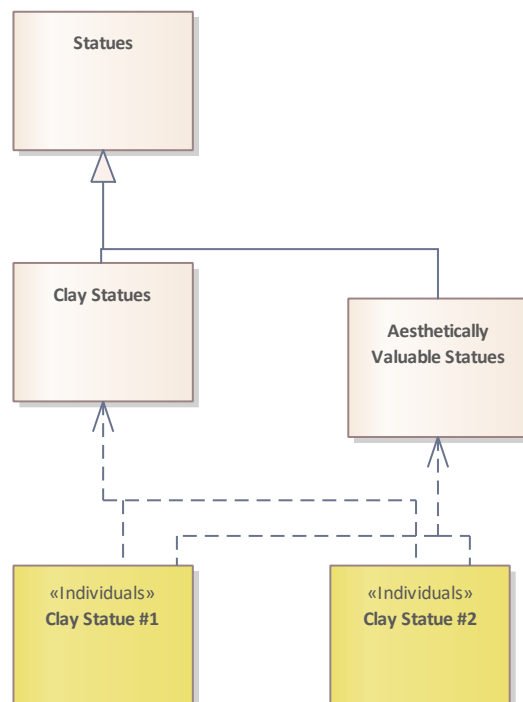


Figure 25: Aesthetically Valuable Statues

Clay Statue #1*Class «Individuals» in package 'stage 1 - load'*

Clay Statue #1

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

Aesthetically Valuable Statues

Class in package 'stage 3 - simle order types'

Aesthetically Valuable Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 21/05/2025. Last modified 21/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]


CONNECTORS

↗ **Dependency** Source -> Destination


From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»


Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues

Statues

Class in package 'stage 5 - sub-super-set hierarchies'


Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 15/05/2025. Last modified 21/05/2025
Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

 Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

is made froms diagram

Class diagram in package 'full'

is made froms
Version 1.0
mittchella created on 14/05/2025. Last modified 22/05/2025

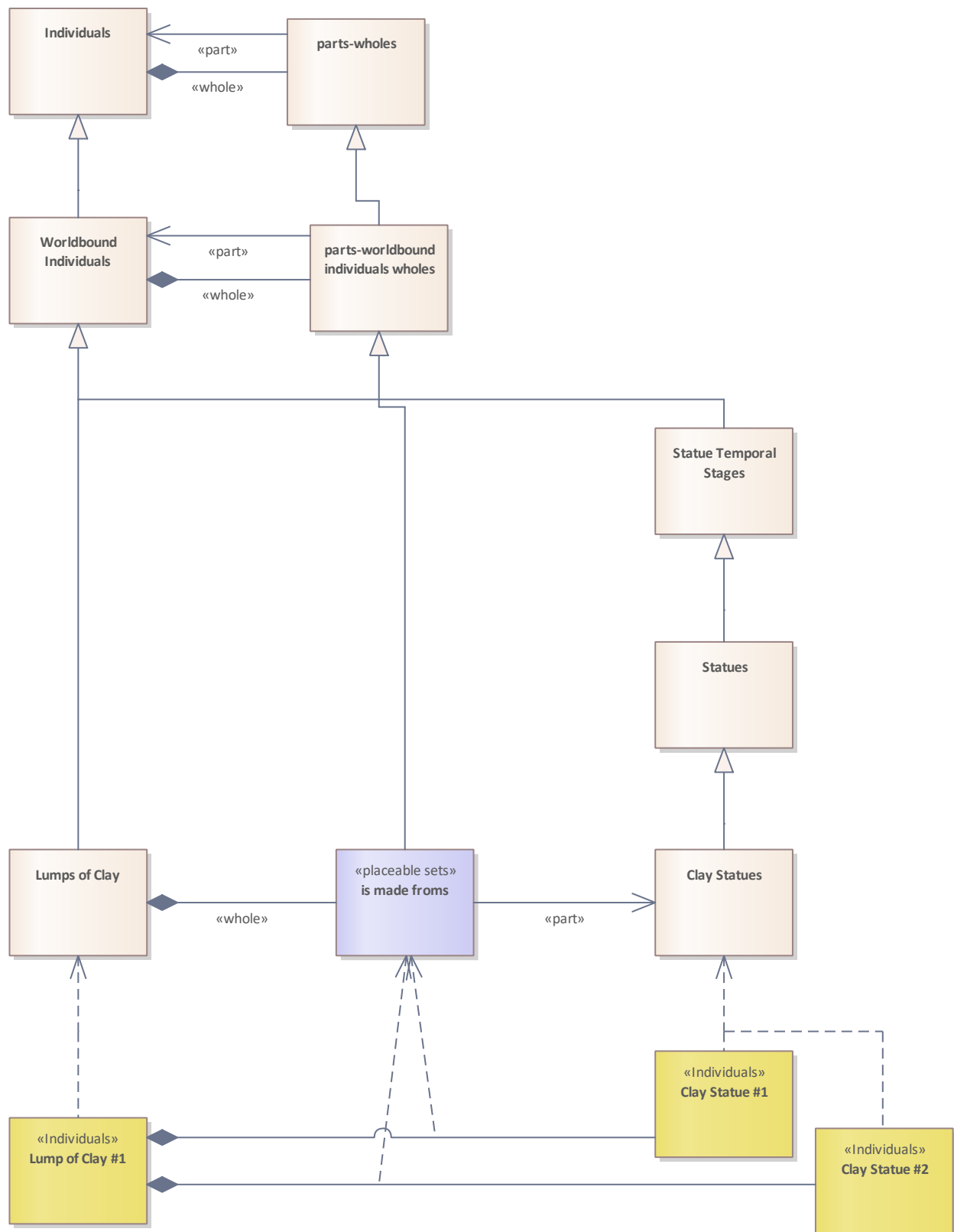


Figure 26: is made from

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

CONNECTORS**Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Lump of Clay #1*Class «Individuals» in package 'stage 1 - load'*

Lump of Clay #1

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]



Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

CONNECTORS**Dependency** Source -> Destination

From: Lump of Clay #1 : Class, Public

To: Lumps of Clay : Class, Public

Aggregation in package "

Version Phase

created on . Last modified

CONNECTORS**Dependency** Source -> Destination

From: : Aggregation, Public

To: is made froms : Class, Public


Aggregation in package "

Version Phase

created on . Last modified

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

Clay Statues


Class in package 'stage 3 - simle order types'

Clay Statues
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Clay Statues to Statues
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from «placeable sets» statue existence events to Clay Statues
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues

is made froms

Class «placeable sets» in package 'stage 3 - simle order types'

is made froms
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 14/05/2025
Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

← Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

Lumps of Clay

Class in package 'stage 3 - simle order types'

Lumps of Clay
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 14/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS


← Generalization from Lumps of Clay to Worldbound Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

→ Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: Lump of Clay #1 : Class, Public
 To: Lumps of Clay : Class, Public


parts-worldbound individuals wholes


Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.


parts-worldbound individuals wholes
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 18/01/2024. Last modified 22/05/2025
 Extends parts-wholes


OUTGOING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
 [Direction is 'Source -> Destination'.]

 Generalization from parts-worldbound individuals wholes to parts-wholes
 [Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

 Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

 Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) parts-worldbound individuals wholes Target: Public (Class) Worldbound Individuals

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals
Version 1.0 Phase 1.0 Proposed
mittchella created on 09/01/2024. Last modified 22/05/2025
Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS	
← Generalization from Worldbound Individuals to Individuals	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from Statue Temporal Stages to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Momentary Individuals to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Lumps of Clay to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Days to Worldbound Individuals	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «part»	
Source: Public (Class) parts-worldbound individuals wholes	Target: Public (Class) Worldbound Individuals

Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
← Generalization from Individuals to Tuple Placeable Objects	[Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS


⇒ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

← Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

ASSOCIATIONS

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Statue Temporal Stages*Class in package 'stage 5 - sub-super-set hierarchies'*

Statue Temporal Stages

Version 1.0 Phase 1.0 Proposed

mitchella created on 15/05/2025. Last modified 21/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

⇒ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

Statues*Class in package 'stage 5 - sub-super-set hierarchies'*

Statues

Version 1.0 Phase 1.0 Proposed

mitchella created on 15/05/2025. Last modified 21/05/2025

Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

⇒ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

occurs at days diagram

Class diagram in package 'full'

occurs at days

Version 1.0

mitchella created on 14/05/2025. Last modified 22/05/2025

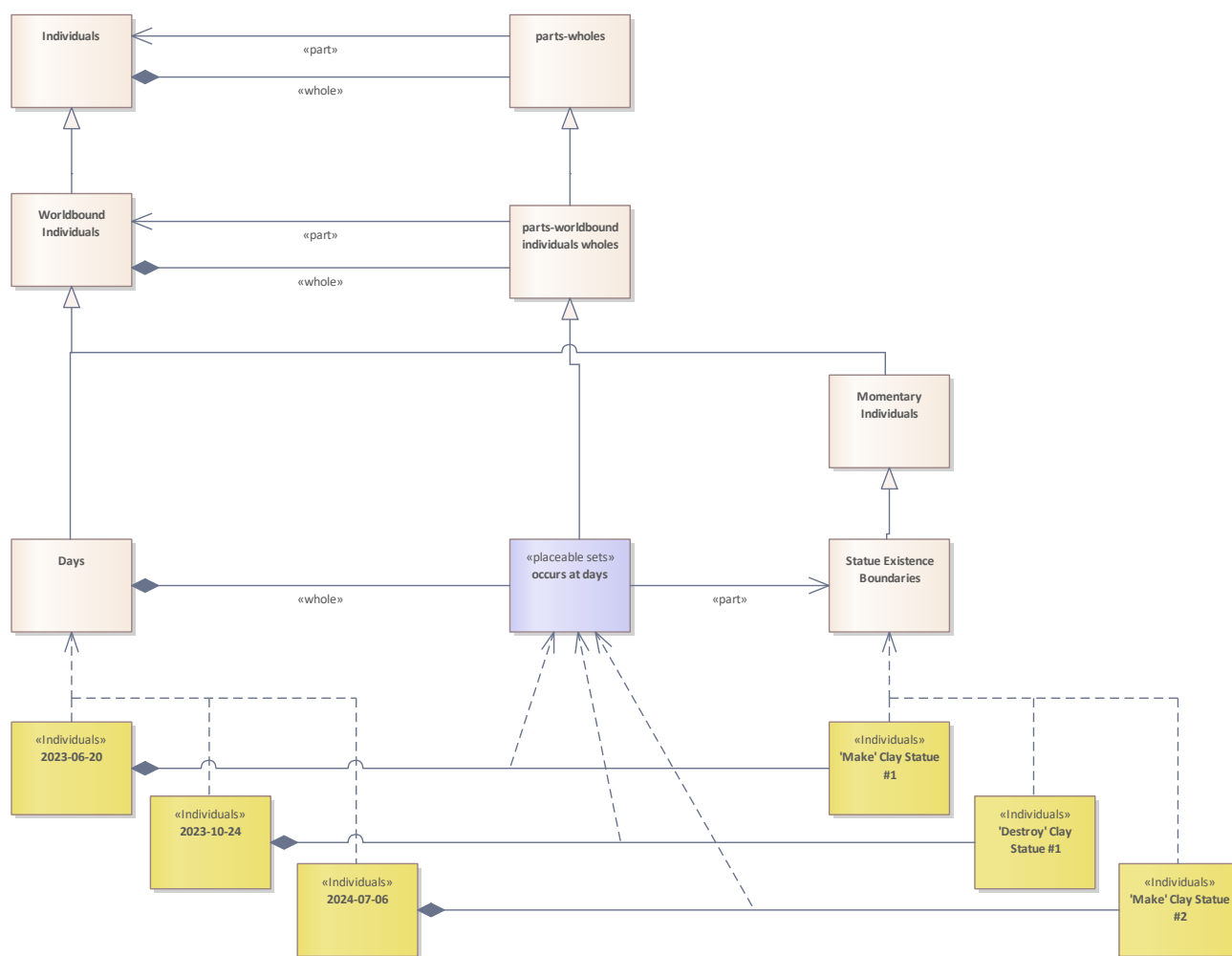


Figure 27: occurs at days

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1

Version 1.0 Phase 1.0 Proposed

mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: 'Destroy' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #1

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20

[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: 'Make' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #2

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS


← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06

[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public

2023-06-20

Class «Individuals» in package 'stage 1 - load'

2023-06-20


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

2023-10-24

Class «Individuals» in package 'stage 1 - load'

2023-10-24


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS


⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]


CONNECTORS

 **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

2024-07-06

Class «Individuals» in package 'stage 1 - load'

INCOMING STRUCTURAL RELATIONSHIPS
<div><div> Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06</div><div>[Direction is 'Source -> Destination'.]</div></div>

CONNECTORS
<div><div> Dependency Source -> Destination</div><div>From: 2024-07-06 : Class, Public</div><div>To: Days : Class, Public</div></div>

Aggregation in package "

Version Phase

created on . Last modified

CONNECTORS
<div><div> Dependency Source -> Destination</div><div>From: : Aggregation, Public</div><div>To: occurs at days : Class, Public</div></div>

Aggregation in package "

Version Phase

created on . Last modified

CONNECTORS
<div><div> Dependency Source -> Destination</div><div>From: : Aggregation, Public</div><div>To: occurs at days : Class, Public</div></div>


Aggregation in package "

Version Phase

created on . Last modified

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

Days


Class in package 'stage 3 - simle order types'

Days
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 16/05/2025
Extends Worldbound Individuals


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Days to Worldbound Individuals
[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

 Aggregation «whole» from «placeable sets» occurs at days to Days
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

 **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

 **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

occurs at days

Class «placeable sets» in package 'stage 3 - simle order types'

occurs at days
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

← Aggregation «whole» from «placeable sets» occurs at days to Days
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: occurs at days : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

Statue Existence Boundaries

Class in package 'stage 3 - simle order types'

Statue Existence Boundaries
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Momentary Individuals, Statue Temporal Stages


OUTGOING STRUCTURAL RELATIONSHIPS


← Generalization from Statue Existence Boundaries to Statue Temporal Stages
[Direction is 'Source -> Destination'.]


← Generalization from Statue Existence Boundaries to Momentary Individuals
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS


 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) occurs at days «placeable sets» Target: Public (Class) Statue Existence Boundaries

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries


parts-worldbound individuals wholes


Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.


parts-worldbound individuals wholes
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 18/01/2024. Last modified 22/05/2025
 Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS

 Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
 [Direction is 'Source -> Destination'.]

 Generalization from parts-worldbound individuals wholes to parts-wholes
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Worldbound Individuals to Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇒ Generalization from Momentary Individuals to Worldbound Individuals
[Direction is 'Source -> Destination'.]


⇒ Generalization from Lumps of Clay to Worldbound Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Days to Worldbound Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Individuals to Tuple Placeable Objects

[Direction is 'Source -> Destination'.]

⇐ Generalization from Individuals to Objects

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

↩ Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

↩ Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

↩ Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✎ Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

statue existence events diagram*Class diagram in package 'full'*

statue existence events

Version 1.0

mitchella created on 14/05/2025. Last modified 22/05/2025

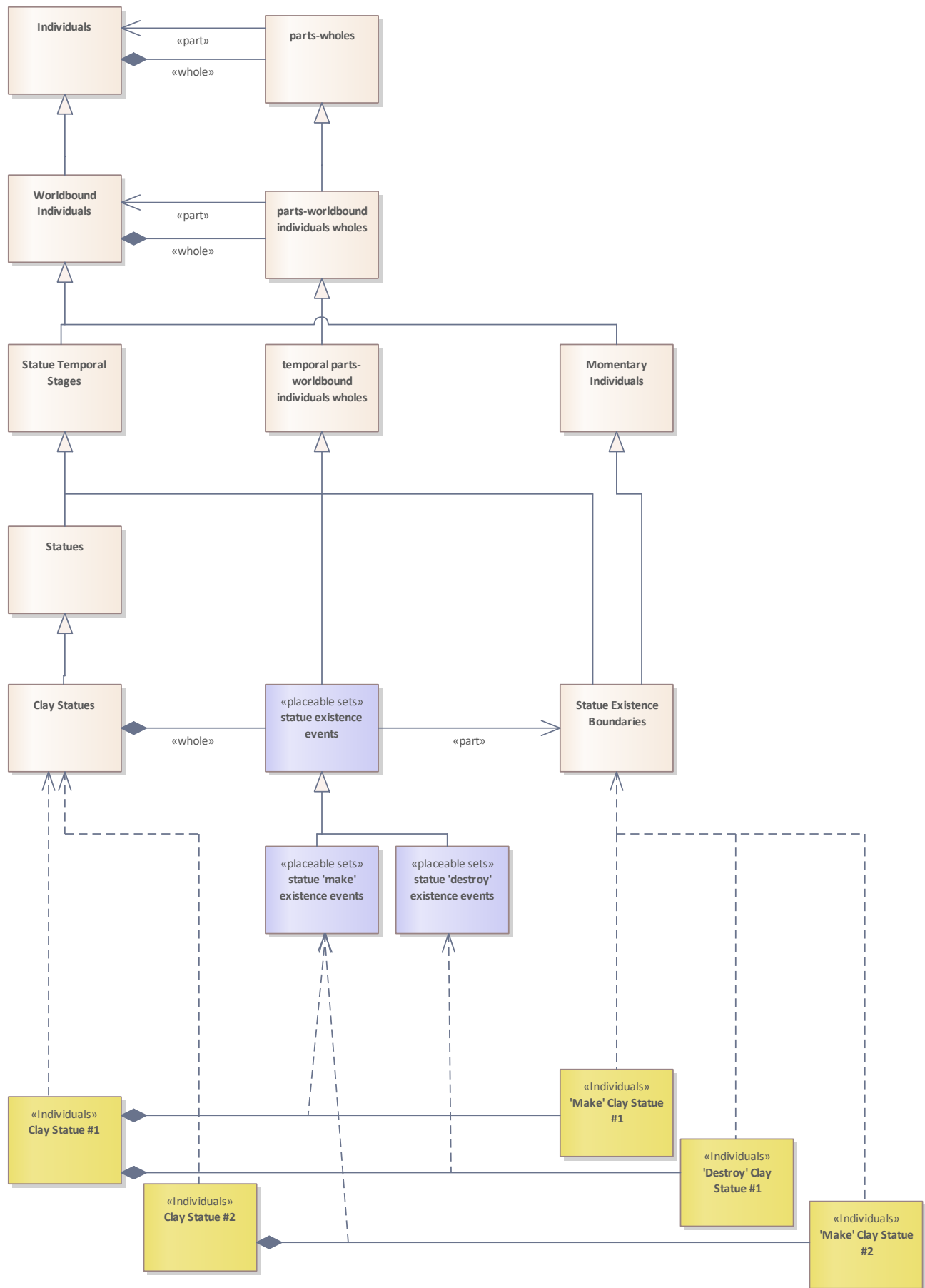


Figure 28: statue existence events

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Destroy' Clay Statue #1

Version 1.0 Phase 1.0 Proposed


mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Destroy' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1*Class «Individuals» in package 'stage 1 - load'*

'Make' Clay Statue #1

Version 1.0 Phase 1.0 Proposed


mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Make' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2*Class «Individuals» in package 'stage 1 - load'*

'Make' Clay Statue #2

Version 1.0 Phase 1.0 Proposed

mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Clay Statues : Class, Public

↗ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS


⇒ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]


CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025


Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'destroy' existence events : Class, Public

 **Dependency** Source -> Destination
 From: , Public
 To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'make' existence events
Version 1.0 Phase 1.0 Proposed
mitchella created on 15/05/2025. Last modified 21/05/2025
Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'make' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'make' existence events : Class, Public

Statue Existence Boundaries

Class in package 'stage 3 - simle order types'

Statue Existence Boundaries
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 15/05/2025
Extends Momentary Individuals, Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Existence Boundaries to Statue Temporal Stages
[Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination

From: 'Make' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

↗ **Dependency** Source -> Destination

From: 'Destroy' Clay Statue #1 : Class, Public

To: Statue Existence Boundaries : Class, Public

↗ **Dependency** Source -> Destination

From: 'Make' Clay Statue #2 : Class, Public

To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

↗ Association (direction: Source -> Destination) «part»

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

← Aggregation «whole» from «placeable sets» statue existence events to Clay Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events	[Direction is 'Source -> Destination'.]
⇒ Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	
Source: Public (Class) statue existence events «placeable sets»	Target: Public (Class) Statue Existence Boundaries

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 18/01/2024. Last modified 22/05/2025
 Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇐ Generalization from parts-worldbound individuals wholes to parts-wholes	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes	[Direction is 'Source -> Destination'.]
⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes	[Direction is 'Source -> Destination'.]
⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
✎ Association (direction: Source -> Destination) «part»	

ASSOCIATIONS

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

temporal parts-worldbound individuals wholes*Class in package 'stage 6 - top level model integration'*

temporal parts-worldbound individuals wholes

Version 1.0 Phase 1.0 Proposed

mittchella created on 26/03/2024. Last modified 22/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

Worldbound Individuals*Class in package 'stage 6 - top level model integration'*

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Worldbound Individuals to Individuals


[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Momentary Individuals to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Lumps of Clay to Worldbound Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Days to Worldbound Individuals	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) «part»	
Source: Public (Class) parts-worldbound individuals wholes	Target: Public (Class) Worldbound Individuals

Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Generalization from Individuals to Tuple Placeable Objects	[Direction is 'Source -> Destination'.]
⇐ Generalization from Individuals to Objects	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation «whole» from parts-wholes to Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Worldbound Individuals to Individuals	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025


Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from Statue Existence Boundaries to Momentary Individuals

[Direction is 'Source -> Destination'.]

parts-wholes

Class in package 'stage 6 - top level model integration'

parts-wholes

Version Phase


created on 05/04/2022. Last modified 22/05/2025

Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

 Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

Statue Temporal Stages

Class in package 'stage 5 - sub-super-set hierarchies'


Statue Temporal Stages
Version 1.0 Phase 1.0 Proposed
mitchella created on 15/05/2025. Last modified 21/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from Statue Existence Boundaries to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

 Generalization from Statues to Statue Temporal Stages


[Direction is 'Source -> Destination'.]

Statues

Class in package 'stage 5 - sub-super-set hierarchies'


Statues
Version 1.0 Phase 1.0 Proposed
mitchella created on 15/05/2025. Last modified 21/05/2025
Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS

➡ **Dependency** Source -> Destination

From: : Aggregation, Public

To: statue 'make' existence events : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS

➡ **Dependency** Source -> Destination

From: : Aggregation, Public

To: statue 'make' existence events : Class, Public

Aggregation in package "

Version Phase
created on . Last modified

CONNECTORS

➡ **Dependency** Source -> Destination

From: : Aggregation, Public

To: statue 'destroy' existence events : Class, Public

Model

Package in package 'lump of clay'

Model
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 14/05/2025

stage 1 - load

Package in package 'Model'

stage 1 - load
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 14/05/2025

'Destroy' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'


'Destroy' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 'Destroy' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #1
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: 'Make' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public

'Make' Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

'Make' Clay Statue #2
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

← Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: 'Make' Clay Statue #2 : Class, Public
To: Statue Existence Boundaries : Class, Public

2023-06-20

Class «Individuals» in package 'stage 1 - load'


2023-06-20
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» 2023-06-20
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-06-20 : Class, Public
To: Days : Class, Public

2023-10-24

Class «Individuals» in package 'stage 1 - load'

2023-10-24


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» 2023-10-24
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2023-10-24 : Class, Public
To: Days : Class, Public

2024-07-06

Class «Individuals» in package 'stage 1 - load'

2024-07-06


Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» 2024-07-06
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: 2024-07-06 : Class, Public
To: Days : Class, Public

Clay Statue #1

Class «Individuals» in package 'stage 1 - load'

Clay Statue #1

Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS

← Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Destroy' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» 'Make' Clay Statue #1 to «Individuals» Clay Statue #1
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

↗ **Dependency** Source -> Destination
From: Clay Statue #1 : Class, Public
To: Clay Statues : Class, Public

Clay Statue #2

Class «Individuals» in package 'stage 1 - load'

Clay Statue #2
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 16/05/2025

OUTGOING STRUCTURAL RELATIONSHIPS


← Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» 'Make' Clay Statue #2 to «Individuals» Clay Statue #2
[Direction is 'Source -> Destination'.]

CONNECTORS

CONNECTORS

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
From: Clay Statue #2 : Class, Public
To: Aesthetically Valuable Statues : Class, Public

Lump of Clay #1

Class «Individuals» in package 'stage 1 - load'


Lump of Clay #1
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 21/05/2025

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Aggregation from «Individuals» Clay Statue #2 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

⇒ Aggregation from «Individuals» Clay Statue #1 to «Individuals» Lump of Clay #1
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: Lump of Clay #1 : Class, Public
To: Lumps of Clay : Class, Public

stage 2 - mereology (STM)

Package in package 'Model'

stage 2 - mereology (STM)
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 14/05/2025

stage 3 - simle order types

Package in package 'Model'

stage 3 - simle order types
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 14/05/2025

Aesthetically Valuable Statues

Class in package 'stage 3 - simle order types'

Aesthetically Valuable Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 21/05/2025. Last modified 21/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

CONNECTORS

➤ **Dependency** Source -> Destination

From: Clay Statue #1 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

➤ **Dependency** Source -> Destination

From: Clay Statue #2 : Class, Public

To: Aesthetically Valuable Statues : Class, Public

Clay Statues

Class in package 'stage 3 - simle order types'

Clay Statues
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Statues

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Clay Statues to Statues


[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation «whole» from «placeable sets» statue existence events to Clay Statues


[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: Clay Statue #1 : Class, Public
 To: Clay Statues : Class, Public

 **Dependency** Source -> Destination
 From: Clay Statue #2 : Class, Public
 To: Clay Statues : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) is made froms «placeable sets»

Target: Public (Class) Clay Statues

Days

Class in package 'stage 3 - simle order types'

Days

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 16/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Days to Worldbound Individuals


[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
 From: 2023-10-24 : Class, Public
 To: Days : Class, Public

 **Dependency** Source -> Destination
 From: 2024-07-06 : Class, Public
 To: Days : Class, Public

 **Dependency** Source -> Destination
 From: 2023-06-20 : Class, Public
 To: Days : Class, Public

is made froms

Class «placeable sets» in package 'stage 3 - simle order types'

is made froms

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 14/05/2025


Extends parts-worldbound individuals wholes


OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]


← Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay
[Direction is 'Source -> Destination'.]

CONNECTORS

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: is made froms : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
Source: Public (Class) is made froms «placeable sets» Target: Public (Class) Clay Statues

Lumps of Clay

Class in package 'stage 3 - simle order types'

Lumps of Clay

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 14/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Lumps of Clay to Worldbound Individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS

➔ Aggregation «whole» from «placeable sets» is made froms to Lumps of Clay

[Direction is 'Source -> Destination'.]

CONNECTORS

➔ **Dependency** Source -> Destination
 From: Lump of Clay #1 : Class, Public
 To: Lumps of Clay : Class, Public

occurs at days

Class «placeable sets» in package 'stage 3 - simle order types'

occurs at days

Version 1.0 Phase 1.0 Proposed

mittchella created on 14/05/2025. Last modified 15/05/2025

Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes

[Direction is 'Source -> Destination'.]

⬅ Aggregation «whole» from «placeable sets» occurs at days to Days

[Direction is 'Source -> Destination'.]

CONNECTORS

➔ **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

➔ **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

➔ **Dependency** Source -> Destination
 From: : Aggregation, Public
 To: occurs at days : Class, Public

ASSOCIATIONS

➔ Association (direction: Source -> Destination) «part»

Source: Public (Class) occurs at days «placeable sets»

Target: Public (Class) Statue Existence Boundaries

statue 'destroy' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'destroy' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]

CONNECTORS

↗ **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'destroy' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'destroy' existence events : Class, Public

↗ **Dependency** Source -> Destination
From: , Public
To: statue 'destroy' existence events : Class, Public

statue 'make' existence events

Class «placeable sets» in package 'stage 3 - simle order types'

statue 'make' existence events

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends statue existence events


OUTGOING STRUCTURAL RELATIONSHIPS


← Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
[Direction is 'Source -> Destination'.]


CONNECTORS


↗ **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public


CONNECTORS

 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
From: , Public
To: statue 'make' existence events : Class, Public

 **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'make' existence events : Class, Public


 **Dependency** Source -> Destination
From: : Aggregation, Public
To: statue 'make' existence events : Class, Public


Statue Existence Boundaries

Class in package 'stage 3 - simle order types'


Statue Existence Boundaries
Version 1.0 Phase 1.0 Proposed
mittchella created on 14/05/2025. Last modified 15/05/2025
Extends Momentary Individuals, Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS


 Generalization from Statue Existence Boundaries to Statue Temporal Stages
[Direction is 'Source -> Destination'.]


 Generalization from Statue Existence Boundaries to Momentary Individuals
[Direction is 'Source -> Destination'.]

CONNECTORS


 **Dependency** Source -> Destination
From: 'Make' Clay Statue #1 : Class, Public
To: Statue Existence Boundaries : Class, Public


CONNECTORS

 **Dependency** Source -> Destination
 From: 'Destroy' Clay Statue #1 : Class, Public
 To: Statue Existence Boundaries : Class, Public

 **Dependency** Source -> Destination
 From: 'Make' Clay Statue #2 : Class, Public
 To: Statue Existence Boundaries : Class, Public

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»
 Source: Public (Class) occurs at days «placeable sets» Target: Public (Class) Statue Existence Boundaries


 Association (direction: Source -> Destination) «part»
 Source: Public (Class) statue existence events «placeable sets» Target: Public (Class) Statue Existence Boundaries


statue existence events

Class «placeable sets» in package 'stage 3 - simle order types'


statue existence events
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 14/05/2025. Last modified 15/05/2025
 Extends temporal parts-worldbound individuals wholes


OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
 [Direction is 'Source -> Destination'.]

 Aggregation «whole» from «placeable sets» statue existence events to Clay Statues
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from «placeable sets» statue 'destroy' existence events to «placeable sets» statue existence events
 [Direction is 'Source -> Destination'.]

 Generalization from «placeable sets» statue 'make' existence events to «placeable sets» statue existence events
 [Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

ASSOCIATIONS

Source: Public (Class) statue existence events «placeable sets»

Target: Public (Class) Statue Existence Boundaries

stage 4 - placeable sets

Package in package 'Model'

stage 4 - placeable sets
Version 1.0 Phase 1.0 Proposed
mitchella created on 14/05/2025. Last modified 21/05/2025

stage 5 - sub-super-set hierarchies

Package in package 'Model'

stage 5 - sub-super-set hierarchies

Version 1.0 Phase 1.0 Proposed

mittchella created on 21/05/2025. Last modified 21/05/2025

Statue Temporal Stages

Class in package 'stage 5 - sub-super-set hierarchies'

Statue Temporal Stages

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Existence Boundaries to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

⇒ Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

Statues

Class in package 'stage 5 - sub-super-set hierarchies'

Statues

Version 1.0 Phase 1.0 Proposed

mittchella created on 15/05/2025. Last modified 21/05/2025

Extends Statue Temporal Stages

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Statues to Statue Temporal Stages

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Clay Statues to Statues

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Aesthetically Valuable Statues to Statues

[Direction is 'Source -> Destination'.]

stage 6 - top level model integration

Package in package 'Model'

stage 6 - top level model integration
Version 1.0 Phase 1.0 Proposed
mitchella created on 15/05/2025. Last modified 22/05/2025

alternative option

Package in package 'stage 6 - top level model integration'

alternative option
Version 1.0 Phase 1.0 Proposed
mitchella created on 22/05/2025. Last modified 22/05/2025

end boundaries of worldbound individuals

Class in package 'alternative option'

end boundaries of worldbound individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends end boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from end boundaries of worldbound individuals to end boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

end boundings of worldbound individuals

Class in package 'alternative option'

end boundings of worldbound individuals
Version 1.0 Phase 1.0 Proposed
mitchella created on 24/05/2024. Last modified 22/05/2025
Extends temporal boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from end boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

→ Generalization from end boundaries of worldbound individuals to end boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

start boundaries of worldbound individuals

Class in package 'alternative option'

start boundaries of worldbound individuals

Version Phase

created on 05/04/2022. Last modified 22/05/2025

Extends start boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from start boundaries of worldbound individuals to start boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

start boundings of worldbound individuals

Class in package 'alternative option'

start boundings of worldbound individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 24/05/2024. Last modified 22/05/2025

Extends temporal boundings of worldbound individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from start boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from start boundaries of worldbound individuals to start boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

temporal boundings of worldbound individuals

Class in package 'alternative option'

temporal boundings of worldbound individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 24/05/2024. Last modified 22/05/2025

Extends temporal parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from start boundings of worldbound individuals to temporal boundings of worldbound individuals
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from end boundings of worldbound individuals to temporal boundings of worldbound individuals
 [Direction is 'Source -> Destination'.]

elements-sets


Class in package 'stage 6 - top level model integration'

elements-sets
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from elements-sets to grounding relations
 (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")
 [Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «set»

Source: Public (Class) elements-sets

Target: Public (Class) Sets

 Association (direction: Source -> Destination) «element»

Source: Public (Class) elements-sets

Target: Public (Class) Objects

grounding relations

Class in package 'stage 6 - top level model integration'

grounding relations
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends Objects

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from grounding relations to Objects
 (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations")
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from elements-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of elements-sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from tuple places to grounding relations	[Direction is 'Source -> Destination'.]
⇒ Generalization from sub-super-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets")	[Direction is 'Source -> Destination'.]
⇒ Generalization from parts-wholes to grounding relations	[Direction is 'Source -> Destination'.]


Individuals

Class in package 'stage 6 - top level model integration'

Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
⇐ Generalization from Individuals to Tuple Placeable Objects	[Direction is 'Source -> Destination'.]
⇐ Generalization from Individuals to Objects	[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation «whole» from parts-wholes to Individuals	[Direction is 'Source -> Destination'.]
⇒ Generalization from Worldbound Individuals to Individuals	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) «part» <<part>> Source: Public (Class) parts-wholes Target: Public (Class) Individuals	

ASSOCIATIONS

Momentary Individuals

Class in package 'stage 6 - top level model integration'

Momentary Individuals
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Worldbound Individuals

OUTGOING STRUCTURAL RELATIONSHIPS
<p>← Generalization from Momentary Individuals to Worldbound Individuals [Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Generalization from Statue Existence Boundaries to Momentary Individuals [Direction is 'Source -> Destination'.]</p>

Objects

Class in package 'stage 6 - top level model integration'

Objects
Version Phase
created on 05/04/2022. Last modified 22/05/2025

INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Generalization from Sets to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Sets") [Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from Tuple Placeable Objects to Objects [Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from tuples to Objects [Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from Individuals to Objects [Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from grounding relations to Objects (pluralityHasSubPlurality "Objects" "Plurality Of Grounding Relations") [Direction is 'Source -> Destination'.]</p>

ASSOCIATIONS

 Association (direction: Source -> Destination) «element»

Source: Public (Class) elements-sets

Target: Public (Class) Objects

parts-wholes


Class in package 'stage 6 - top level model integration'

parts-wholes
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS


 Aggregation «whole» from parts-wholes to Individuals

[Direction is 'Source -> Destination'.]

 Generalization from parts-wholes to grounding relations

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from parts-worldbound individuals wholes to parts-wholes

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

<<part>>

Source: Public (Class) parts-wholes

Target: Public (Class) Individuals

parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

Note: a part of a worldbound individual is also, by definition, also worldbound to the same world and so a worldmate.

parts-worldbound individuals wholes
Version 1.0 Phase 1.0 Proposed
mittchella created on 18/01/2024. Last modified 22/05/2025
Extends parts-wholes

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals
[Direction is 'Source -> Destination'.]

⇐ Generalization from parts-worldbound individuals wholes to parts-wholes
[Direction is 'Source -> Destination'.]


INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from «placeable sets» occurs at days to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from «placeable sets» is made froms to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

⇒ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals

Sets

Class in package 'stage 6 - top level model integration'

Sets
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects



OUTGOING STRUCTURAL RELATIONSHIPS

⇐ Generalization from Sets to Objects
(pluralityHasSubPlurality "Objects" "Plurality Of Sets")
[Direction is 'Source -> Destination'.]

⇐ Generalization from Sets to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")
[Direction is 'Source -> Destination'.]

ASSOCIATIONS


 Association (direction: Source -> Destination) «set»



ASSOCIATIONS	
Source: Public (Class) elements-sets	Target: Public (Class) Sets
 Association (direction: Source -> Destination) «sub-set»	
Source: Public (Class) sub-super-sets	Target: Public (Class) Sets
 Association (direction: Source -> Destination) «super-set»	
Source: Public (Class) sub-super-sets	Target: Public (Class) Sets

sub-super-sets

Class in package 'stage 6 - top level model integration'

sub-super-sets
 Version Phase
 created on 05/04/2022. Last modified 22/05/2025
 Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from sub-super-sets to grounding relations (pluralityHasSubPlurality "Plurality Of Grounding Relations" "plurality of sub-super-sets") [Direction is 'Source -> Destination'.]

ASSOCIATIONS	
 Association (direction: Source -> Destination) «sub-set»	
Source: Public (Class) sub-super-sets	Target: Public (Class) Sets
 Association (direction: Source -> Destination) «super-set»	
Source: Public (Class) sub-super-sets	Target: Public (Class) Sets

temporal parts-worldbound individuals wholes

Class in package 'stage 6 - top level model integration'

temporal parts-worldbound individuals wholes
 Version 1.0 Phase 1.0 Proposed
 mitchella created on 26/03/2024. Last modified 22/05/2025
 Extends parts-worldbound individuals wholes

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

- ↩ Generalization from temporal parts-worldbound individuals wholes to parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from «placeable sets» statue existence events to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from temporal boundings of worldbound individuals to temporal parts-worldbound individuals wholes
[Direction is 'Source -> Destination'.]

Tuple Placeable Objects

Class in package 'stage 6 - top level model integration'

Tuple Placeable Objects
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects


OUTGOING STRUCTURAL RELATIONSHIPS

- ↩ Generalization from Tuple Placeable Objects to Objects
[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

- ⇒ Generalization from Sets to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "Plurality Of Sets")
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from Individuals to Tuple Placeable Objects
[Direction is 'Source -> Destination'.]
- ⇒ Generalization from tuples to Tuple Placeable Objects
(pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "plurality of tuples")
[Direction is 'Source -> Destination'.]




ASSOCIATIONS

-  Association (direction: Source -> Destination) «placed»
- Source: Public (Class) tuple places Target: Public (Class) Tuple Placeable Objects

tuple places

Class in package 'stage 6 - top level model integration'




tuple places
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends grounding relations

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from tuple places to grounding relations	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «placing»	
Source: Public (Class) tuple places	Target: Public (Class) tuples
 Association (direction: Source -> Destination) «placed»	
Source: Public (Class) tuple places	Target: Public (Class) Tuple Placeable Objects

tuples

Class in package 'stage 6 - top level model integration'

tuples
Version Phase
created on 05/04/2022. Last modified 22/05/2025
Extends Objects, Tuple Placeable Objects

OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from tuples to Tuple Placeable Objects (pluralityHasSubPlurality "Plurality Of Tuple Placeable Objects" "plurality of tuples")	[Direction is 'Source -> Destination'.]
 Generalization from tuples to Objects	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) «placing»	
Source: Public (Class) tuple places	Target: Public (Class) tuples

Worldbound Individuals

Class in package 'stage 6 - top level model integration'

AKA World Parts

Worldbound Individuals are all the parts of Worlds including the improper parts.

They will be in a parts-world wholes relationship with a World

Worldbound Individuals

Version 1.0 Phase 1.0 Proposed

mittchella created on 09/01/2024. Last modified 22/05/2025

Extends Individuals

OUTGOING STRUCTURAL RELATIONSHIPS

← Generalization from Worldbound Individuals to Individuals

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Statue Temporal Stages to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Aggregation «whole» from parts-worldbound individuals wholes to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Momentary Individuals to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Lumps of Clay to Worldbound Individuals

[Direction is 'Source -> Destination'.]

⇒ Generalization from Days to Worldbound Individuals

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✍ Association (direction: Source -> Destination) «part»

Source: Public (Class) parts-worldbound individuals wholes

Target: Public (Class) Worldbound Individuals