Domain Model

Package in package 'Model'

Domain Model diagram

Class diagram in package 'Domain Model'

Figure 1: Domain Model

Domain Objects

Package in package 'Domain Model'

Domain Objects diagram

Class diagram in package 'Domain Objects'

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Domain Objects
Version 1.0
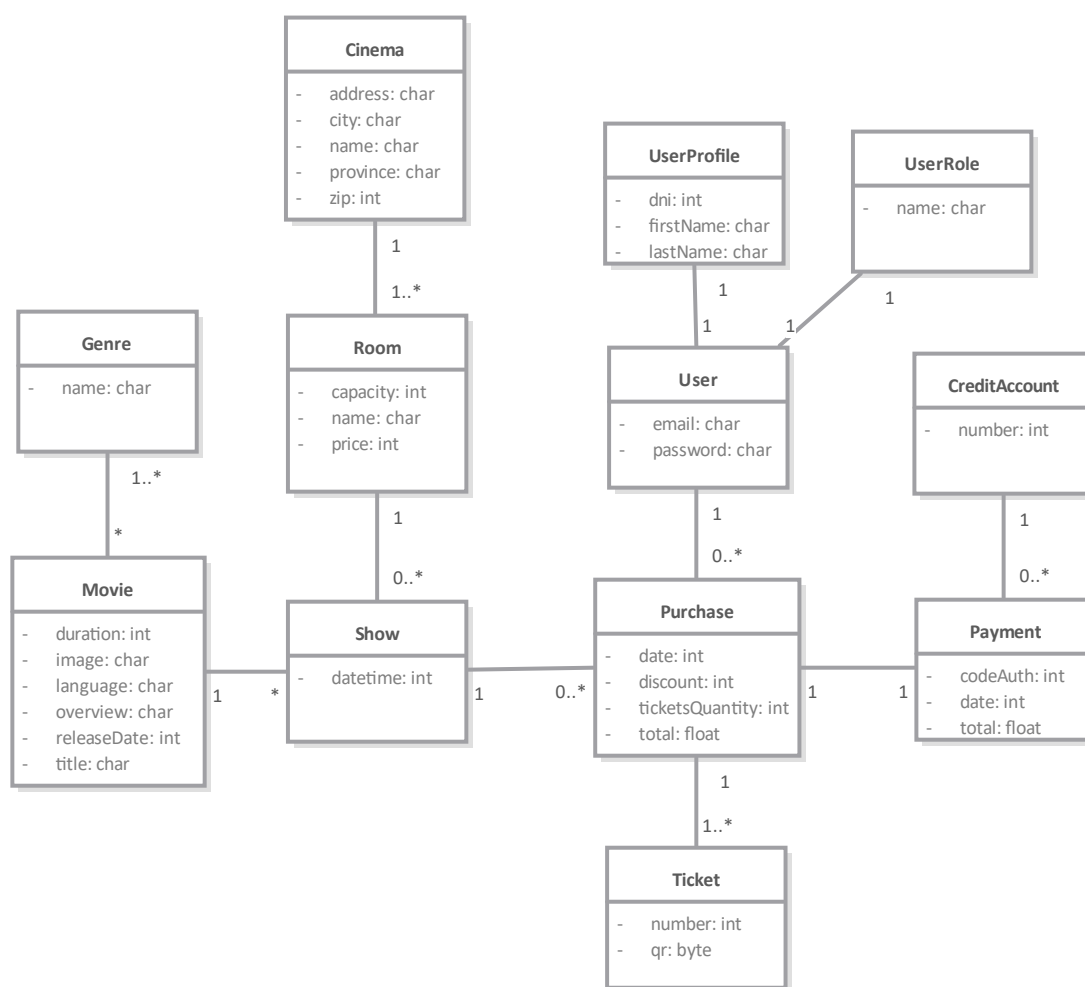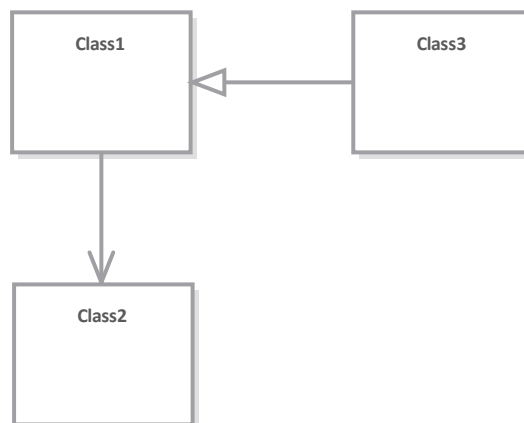ileci created on 22/11/2020. Last modified 22/11/2020

</div>

Figure 2: Domain Objects

Note

Note in package 'Domain Objects'

The Domain class model captures essential information about objects in the domain.

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Note
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Extends

</div>

Class1

Class in package 'Domain Objects'

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Class1
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</div>

INCOMING STRUCTURAL RELATIONSHIPS
➡ Generalization from Class3 to Class1
[Direction is 'Source -> Destination'.]

ASSOCIATIONS
✏ Association (direction: Source -> Destination)

ASSOCIATIONS	
Source: Public (Class) Class1	Target: Public (Class) Class2

Class2

Class in package 'Domain Objects'

<div align="right">

Class2
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</div>

ASSOCIATIONS

✏️ Association (direction: Source -> Destination)

Source: Public (Class) Class1	Target: Public (Class) Class2

Class3

Class in package 'Domain Objects'

<div align="right">

Class3
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Extends Class1

</div>

OUTGOING STRUCTURAL RELATIONSHIPS

⬅️ Generalization from Class3 to Class1

<div align="right">

[Direction is 'Source -> Destination'.]

</div>

Cinema

Class in package 'Domain Model'

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Cinema
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</div>

ATTRIBUTES

🔷 address : char Private

<div align="right">

[Is static False. Containment is Not Specified.]

</div>

🔷 city : char Private

<div align="right">

[Is static False. Containment is Not Specified.]

</div>

🔷 name : char Private

<div align="right">

[Is static False. Containment is Not Specified.]

</div>

ATTRIBUTES
🔹 province : char Private
[Is static False. Containment is Not Specified.]
🔹 zip : int Private
[Is static False. Containment is Not Specified.]

ASSOCIATIONS
✏️ Association (direction: Unspecified)

Source: Public (Class) Cinema   Target: Public (Class) Room
Cardinality: [1]   Cardinality: [1..*]

Class1

Class in package 'Domain Model'

Class1
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Company

Class in package 'Domain Model'

Company
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ileci created on 22/11/2020. Last modified 22/11/2020

ATTRIBUTES
🔹 name : char Private
[Is static False. Containment is Not Specified.]

CreditAccount

Class in package 'Domain Model'

CreditAccount
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ATTRIBUTES
🔹 number : int Private
[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✏️ Association (direction: Unspecified)

Source: Public (Class) CreditAccount   Target: Public (Class) Payment
 Cardinality: [1]   Cardinality: [0..*]

Genre

Class in package 'Domain Model'

Genre
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ATTRIBUTES

🔷 name : char Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✏️ Association (direction: Unspecified)

Source: Public (Class) Movie   Target: Public (Class) Genre
 Cardinality: [*]   Cardinality: [1..*]

Movie

Class in package 'Domain Model'

Movie
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ATTRIBUTES

🔷 duration : int Private

[Is static False. Containment is Not Specified.]

🔷 image : char Private

[Is static False. Containment is Not Specified.]

🔷 language : char Private

[Is static False. Containment is Not Specified.]

🔷 overview : char Private

[Is static False. Containment is Not Specified.]

ATTRIBUTES

◆ releaseDate : int Private

[Is static False. Containment is Not Specified.]

◆ title : char Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) Movie   Target: Public (Class) Genre
    Cardinality: [*]   Cardinality: [1..*]

✎ Association (direction: Unspecified)

Source: Public (Class) Movie   Target: Public (Class) Show
    Cardinality: [1]   Cardinality: [*]

Payment

Class in package 'Domain Model'

Payment
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ATTRIBUTES

◆ codeAuth : int Private

[Is static False. Containment is Not Specified.]

◆ date : int Private

[Is static False. Containment is Not Specified.]

◆ total : float Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) CreditAccount   Target: Public (Class) Payment
    Cardinality: [1]   Cardinality: [0..*]

✎ Association (direction: Unspecified)

Source: Public (Class) Purchase   Target: Public (Class) Payment

ASSOCIATIONS	
Cardinality: [1]	Cardinality: [1]

Purchase

Class in package 'Domain Model'

Purchase
Version 1.0 Phase 1.0 Proposed
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ATTRIBUTES
◆ date : int Private
[Is static False. Containment is Not Specified.]
◆ discount : int Private
[Is static False. Containment is Not Specified.]
◆ ticketsQuantity : int Private
[Is static False. Containment is Not Specified.]
◆ total : float Private
[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
✎ Association (direction: Unspecified)	
Source: Public (Class) Purchase	Target: Public (Class) Payment
Cardinality: [1]	Cardinality: [1]
✎ Association (direction: Unspecified)	
Source: Public (Class) Purchase	Target: Public (Class) Show
Cardinality: [0..*]	Cardinality: [1]
✎ Association (direction: Unspecified)	
Source: Public (Class) User	Target: Public (Class) Purchase
Cardinality: [1]	Cardinality: [0..*]
✎ Association (direction: Unspecified)	
Source: Public (Class) Ticket	Target: Public (Class) Purchase
Cardinality: [1..*]	Cardinality: [1]

Room

Class in package 'Domain Model'

Room
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ATTRIBUTES	
🔷 capacity : int Private	[Is static False. Containment is Not Specified.]
🔷 name : char Private	[Is static False. Containment is Not Specified.]
🔷 price : int Private	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
✏️ Association (direction: Unspecified)	
Source: Public (Class) Room	Target: Public (Class) Show
Cardinality: [1]	Cardinality: [0..*]
✏️ Association (direction: Unspecified)	
Source: Public (Class) Cinema	Target: Public (Class) Room
Cardinality: [1]	Cardinality: [1..*]

Show

Class in package 'Domain Model'

Show
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ATTRIBUTES	
🔷 datetime : int Private	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
✏️ Association (direction: Unspecified)	
Source: Public (Class) Room	Target: Public (Class) Show
Cardinality: [1]	Cardinality: [0..*]

ASSOCIATIONS

🖊 Association (direction: Unspecified)

Source: Public (Class) Purchase   Target: Public (Class) Show
    Cardinality: [0..*]   Cardinality: [1]

🖊 Association (direction: Unspecified)

Source: Public (Class) Movie   Target: Public (Class) Show
    Cardinality: [1]   Cardinality: [*]

Ticket

Class in package 'Domain Model'

Ticket
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ATTRIBUTES

🔹 number : int Private

[Is static False. Containment is Not Specified.]

🔹 qr : byte Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

🖊 Association (direction: Unspecified)

Source: Public (Class) Ticket   Target: Public (Class) Purchase
    Cardinality: [1..*]   Cardinality: [1]

User

Class in package 'Domain Model'

User
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ATTRIBUTES

🔹 email : char Private

[Is static False. Containment is Not Specified.]

🔹 password : char Private

[Is static False. Containment is Not Specified.]

ATTRIBUTES

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) User   Target: Public (Class) UserRole
    Cardinality: [1]   Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) User   Target: Public (Class) UserProfile
    Cardinality: [1]   Cardinality: [1]

✎ Association (direction: Unspecified)

Source: Public (Class) User   Target: Public (Class) Purchase
    Cardinality: [1]   Cardinality: [0..*]

UserProfile

Class in package 'Domain Model'

UserProfile
Version 1.0 Phase 1.0 Proposed
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ATTRIBUTES

◆ dni : int Private

    [Is static False. Containment is Not Specified.]

◆ firstName : char Private

    [Is static False. Containment is Not Specified.]

◆ lastName : char Private

    [Is static False. Containment is Not Specified.]

ASSOCIATIONS

✎ Association (direction: Unspecified)

Source: Public (Class) User   Target: Public (Class) UserProfile
    Cardinality: [1]   Cardinality: [1]

UserRole

Class in package 'Domain Model'

<div align="right">

UserRole
Version 1.0 Phase 1.0 Proposed
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</div>

ATTRIBUTES
◆ name : char Private
[Is static False. Containment is Not Specified.]

ASSOCIATIONS
✎ Association (direction: Unspecified)

Source: Public (Class) User	Target: Public (Class) UserRole
Cardinality: [1]	Cardinality: [1]

Table1

Database table in package 'Domain Model'

<div align="right">

Table1
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DBMS

</div>