

SCRH

Package in package 'Class Model'

SCRH
Version 1.0 Phase 1.0 Proposed
radio created on 06/11/2020. Last modified 06/11/2020

SCRH diagram

Class diagram in package 'SCRH'

SCRH
Version 1.0
radio created on 06/11/2020. Last modified 29/11/2020

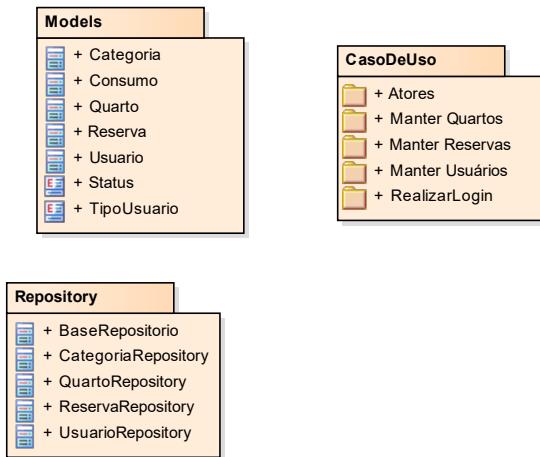


Figure 1: SCRH

CasoDeUso

Package in package 'SCRH'

CasoDeUso
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Models

Package in package 'SCRH'

Models
Version 1.0 Phase 1.0 Proposed
radio created on 06/11/2020. Last modified 06/11/2020

Repository

Package in package 'SCRH'

Repository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 17/11/2020

CasoDeUso

Package in package 'SCRH'

CasoDeUso
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

CasoDeUso diagram

Class diagram in package 'CasoDeUso'

CasoDeUso
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

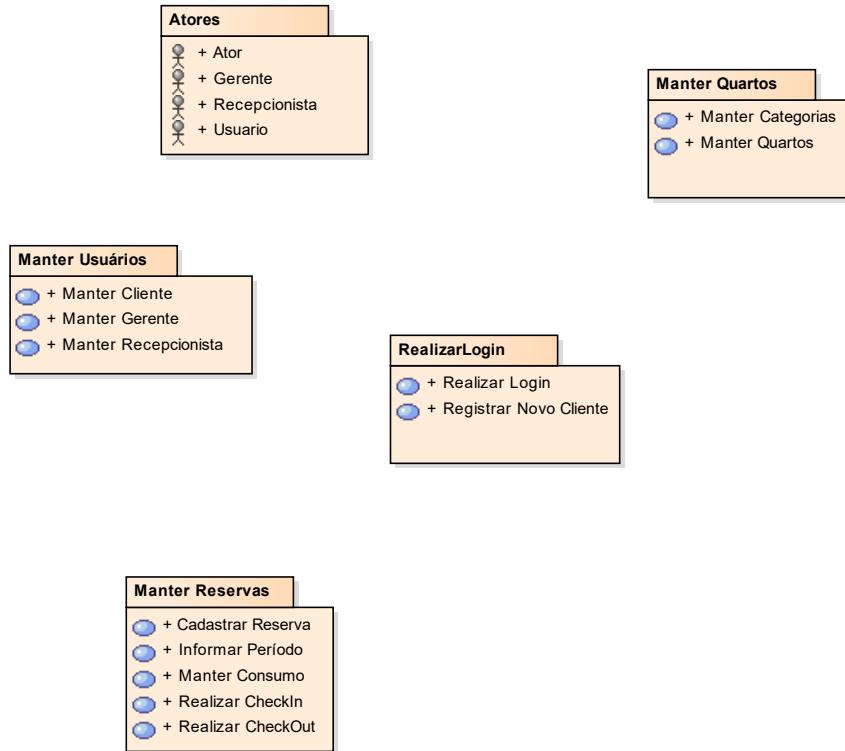


Figure 2: CasoDeUso

Atores

Package in package 'CasoDeUso'

Atores
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Manter Quartos

Package in package 'CasoDeUso'

Manter Quartos
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Manter Reservas

Package in package 'CasoDeUso'

Manter Reservas
Version 1.0 Phase 1.0 Proposed
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Manter Usuários

Package in package 'CasoDeUso'

Manter Usuários
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

RealizarLogin

Package in package 'CasoDeUso'

RealizarLogin
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Atores

Package in package 'CasoDeUso'

Atores
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Atores diagram

Use Case diagram in package 'Atores'

Atores
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

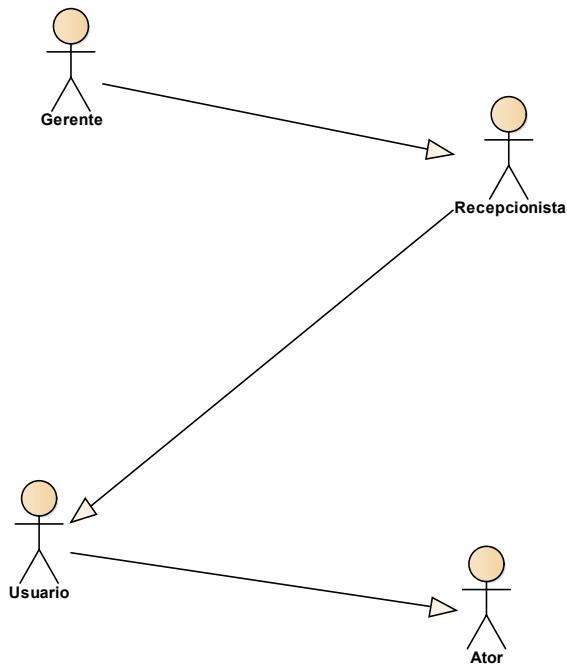


Figure 3: Atores

Ator

Actor in package 'Atores'

Ator
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
Sequence from Ator to «boundary» Interface	
Sequence from Ator to «boundary» Interface	
INCOMING STRUCTURAL RELATIONSHIPS	
Generalization from Usuario to Ator	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
Association (direction: Unspecified)	
Source: Public (Actor) Ator	Target: Public (UseCase) Realizar Login

Gerente

Actor in package 'Atores'

Gerente

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020**OUTGOING BEHAVIORAL RELATIONSHIPS**

 Sequence from Gerente to «boundary» Interface

 Sequence from Gerente to «boundary» Interface

 Sequence from Gerente to «boundary» Interface

 Sequence from Gerente to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Gerente to Recepcionista

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Recepcionista

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Quartos

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Gerente

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Cliente

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Categorias

Repcionista*Actor in package 'Atores'*

Repcionista

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from Recepcionista to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Recepcionista to Usuario

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Gerente to Recepcionista

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

↙ Association (direction: Unspecified)

Source: Public (Actor) Recepcionista

Target: Public (UseCase) Cadastrar Reserva

↙ Association (direction: Unspecified)

Source: Public (Actor) Recepcionista

Target: Public (UseCase) Manter Cliente

↙ Association (direction: Unspecified)

Source: Public (Actor) Recepcionista

Target: Public (UseCase) Realizar CheckIn

↙ Association (direction: Unspecified)

Source: Public (Actor) Recepcionista

Target: Public (UseCase) Realizar CheckOut

Usuario

Actor in package 'Atores'

Usuario
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from Usuario to «boundary» Interface

↳ Sequence from Usuario to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Usuario to Ator

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Recepcionista to Usuario

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✍ Association (direction: Unspecified)

Source: Public (Actor) Usuario

Target: Public (UseCase) Cadastrar Reserva

Manter Quartos

Package in package 'CasoDeUso'

Manter Quartos
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Manter Quartos diagram

Use Case diagram in package 'Manter Quartos'

Manter Quartos
Version 1.0
radio created on 29/11/2020. Last modified 29/11/2020

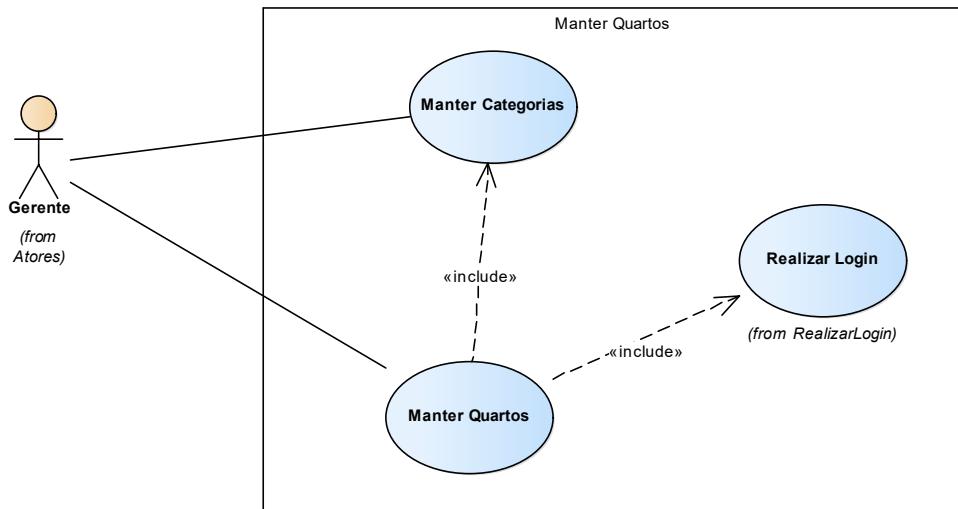


Figure 4: Manter Quartos

Gerente

Actor in package 'Atores'

Gerente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
OUTGOING STRUCTURAL RELATIONSHIPS	

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Gerente to Recepcionista	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Recepcionista
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Quartos
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Gerente
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Cliente
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Categorias

Realizar Login

UseCase in package 'RealizarLogin'

Realizar Login
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Realizar Login	
█ Controller : Sequence «control»	
█ Interface : Sequence «boundary»	

CONNECTORS	
↗ Include «include» Source -> Destination From: Realizar CheckIn : UseCase, Public To: Realizar Login : UseCase, Public	

CONNECTORS

 **Include** «include» Source -> Destination

From: Cadastrar Reserva : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Manter Gerente : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Manter Quartos : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Realizar CheckOut : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Manter Recepcionista : UseCase, Public
To: Realizar Login : UseCase, Public

 **Extend** «extend» Source -> Destination

From: Registrar Novo Cliente : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Manter Cliente : UseCase, Public
To: Realizar Login : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Ator

Target: Public (UseCase) Realizar Login

Controller

Sequence «control» owned by 'Realizar Login', in package 'RealizarLogin'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: BuscarPorLogin(string)

 Sequence from «control» Controller to UsuarioRepository

INCOMING BEHAVIORAL RELATIONSHIPS

- ➡ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Realizar Login', in package 'RealizarLogin'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

- ⬅ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

- ➡ Sequence from Ator to «boundary» Interface

Manter Quartos

Boundary in package 'Manter Quartos'

Manter Quartos
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020
Extends

Manter Categorias

UseCase in package 'Manter Quartos'

Manter Categorias
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Manter Categorias

- █ Controller : Sequence «control»

- █ Interface : Sequence «boundary»

CONNECTORS

CONNECTORS

 **Include** «include» Source -> Destination

From: Manter Quartos : UseCase, Public
To: Manter Categorias : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Categorias

Manter Categorias diagram

Interaction diagram in package 'Manter Quartos'

Manter Categorias
Version 1.0

radio created on 29/11/2020. Last modified 29/11/2020

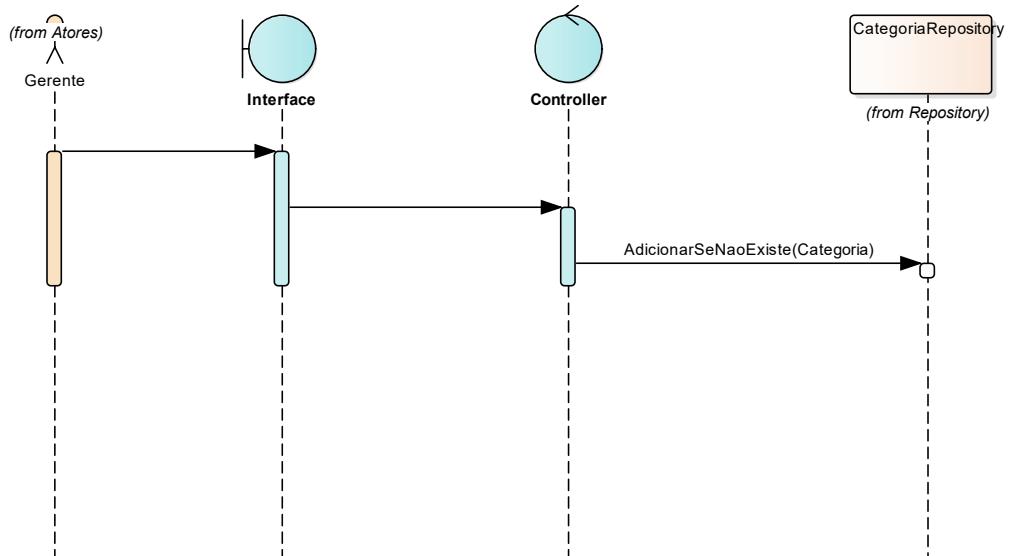


Figure 5: Manter Categorias

CategoriaRepository

Class in package 'Repository'

CategoriaRepository

Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from CategoriaRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

OPERATIONS	
❖ CategoriaRepository () : Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ CategoriaRepository (db : ConexaoBanco) : Public	
Properties:	
initializer = base(db)	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarPorId (id : Guid) :Categoria Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarTodos () : IEnumerable<Categoria> Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarPorNome (nome : string) : Categoria Public	
Properties:	
ea_guid = {A5F7FD65-521A-49cd-B616-370597044019}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Categoria> Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ AdicionarSeNaoExiste (categoria : Categoria) : void Public	
Properties:	
ea_guid = {07B0154B-C65D-4bec-84D7-27787098B219}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Gerente

Actor in package 'Atores'

Gerente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

◀ Generalization from Gerente to Recepcionista

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

✓ Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Repcionista

Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Quartos

Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Gerente

Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Cliente

Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Categorias

INTERACTION MESSAGES

 1.0 '' from 'Gerente' sent to 'Interface'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

☒ 1.1 " from 'Interface' sent to 'Controller'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

☒ 1.2 'AdicionarSeNaoExiste(Categoria)' from 'Controller' sent to 'CategoriaRepository'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Manter Categorias', in package 'Manter Quartos'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: AdicionarSeNaoExiste(Categoria)
 Sequence from «control» Controller to CategoriaRepository

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Categorias', in package 'Manter Quartos'

Interface

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Gerente to «boundary» Interface

Manter Quartos

UseCase in package 'Manter Quartos'

Manter Quartos

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Manter Quartos

 Controller : Sequence «control»

 Interface : Sequence «boundary»

CONNECTORS

CONNECTORS	
 Include «include»	Source -> Destination
From:	Manter Quartos : UseCase, Public
To:	Realizar Login : UseCase, Public
 Include «include»	Source -> Destination
From:	Manter Quartos : UseCase, Public
To:	Manter Categorias : UseCase, Public
 Include «include»	Source -> Destination
From:	Cadastrar Reserva : UseCase, Public
To:	Manter Quartos : UseCase, Public
ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Quartos

Manter Quartos diagram

Interaction diagram in package 'Manter Quartos'

Manter Quartos
Version 1.0
radio created on 29/11/2020. Last modified 29/11/2020

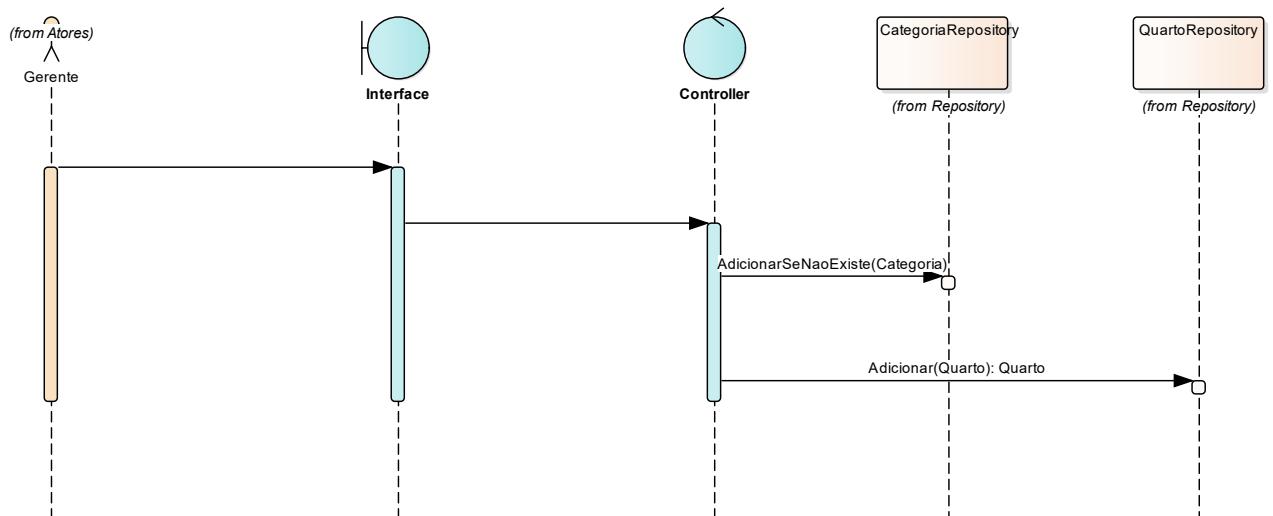


Figure 6: Manter Quartos

CategoriaRepository

Class in package 'Repository'

CategoriaRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from CategoriaRepository to BaseRepository

[Direction is 'Source -> Destination'.]

OPERATIONS

❖ CategoriaRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ CategoriaRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ BuscarPorId (id : Guid) : Categoria Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ BuscarTodos () : IEnumerable<Categoria> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ BuscarPorNome (nome : string) : Categoria Public

Properties:

ea_guid = {A5F7FD65-521A-49cd-B616-370597044019}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Categoria> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ AdicionarSeNaoExiste (categoria : Categoria) : void Public

Properties:

ea_guid = {07B0154B-C65D-4bec-84D7-27787098B219}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

QuartoRepository

Class in package 'Repository'

QuartoRepository
 Version 1.0 Phase 1.0 Proposed
 radio created on 17/11/2020. Last modified 01/12/2020
 Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from QuartoRepository to BaseRepository

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ QuartoRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ QuartoRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarPorId (id : Guid) : Quarto Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarTodos () : IEnumerable<Quarto> Public

Properties:

ea_guid = {47EACF54-0D12-49f2-96B9-07ABD4180148}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Quarto> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Adicionar (entity : Quarto) : Quarto Public

Properties:

override = true

ea_guid = {FAD3BE55-DEC4-4129-8900-C039AFD30248}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Atualizar (entity : Quarto) : Quarto Public

Properties:

override = true

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Gerente

Actor in package 'Atores'

Gerente

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

OUTGOING BEHAVIORAL RELATIONSHIPS	
 Sequence from Gerente to «boundary» Interface	
 Sequence from Gerente to «boundary» Interface	
 Sequence from Gerente to «boundary» Interface	
 Sequence from Gerente to «boundary» Interface	

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

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Recepcionista
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Quartos
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Gerente
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Cliente
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Categorias

INTERACTION MESSAGES	
 1.0 " from 'Gerente' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]

1.1 " from 'Interface' sent to 'Controller'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

1.2 'AdicionarSeNaoExiste(Categoria)' from 'Controller' sent to 'CategoriaRepository'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

1.3 'Adicionar(Quarto)' from 'Controller' sent to 'QuartoRepository'.

Synchronous Call. Returns Quarto.

[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Manter Quartos', in package 'Manter Quartos'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: AdicionarSeNaoExiste(Categoria)

Sequence from «control» Controller to CategoriaRepository

Name: Adicionar(Quarto)

Sequence from «control» Controller to QuartoRepository

INCOMING BEHAVIORAL RELATIONSHIPS

Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Quartos', in package 'Manter Quartos'

Interface

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Sequence from Gerente to «boundary» Interface

Manter Reservas

Package in package 'CasoDeUso'

Manter Reservas
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Manter Reservas diagram

Use Case diagram in package 'Manter Reservas'

Manter Reservas
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

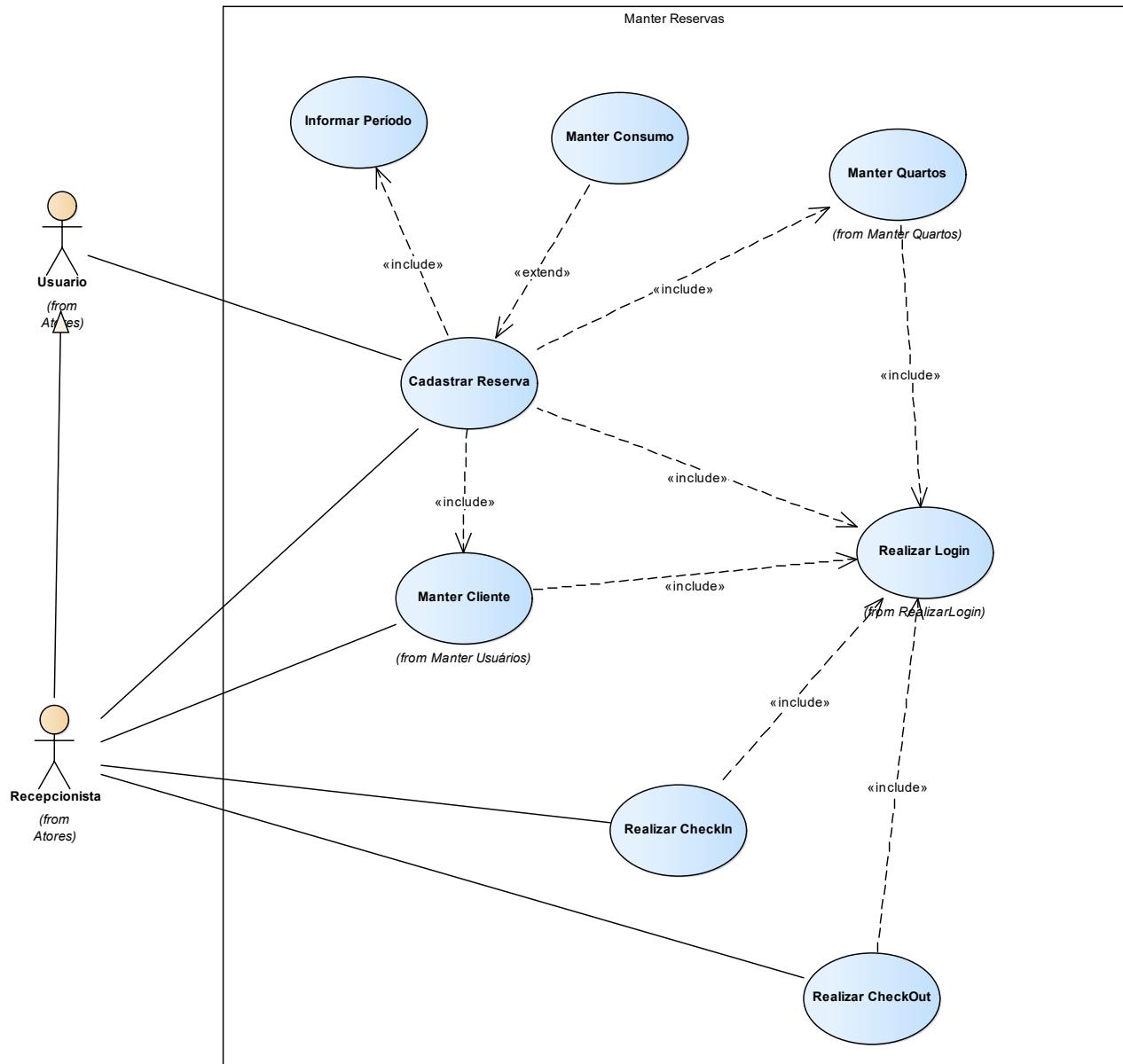


Figure 7: Manter Reservas

Repcionista

Actor in package 'Atores'

Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from Repcionista to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Repcionista to Usuario

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Gerente to Repcionista

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

↗ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Cadastrar Reserva

↗ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Manter Cliente

↗ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Realizar CheckIn

↗ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Realizar CheckOut

Usuario

Actor in package 'Atores'

Usuario
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from Usuario to «boundary» Interface

↳ Sequence from Usuario to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Usuario to Ator

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Recepcionista to Usuario

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

↗ Association (direction: Unspecified)

Source: Public (Actor) Usuario

Target: Public (UseCase) Cadastrar Reserva

Manter Cliente

UseCase in package 'Manter Usuários'

Manter Cliente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 01/12/2020

ELEMENTS OWNED BY Manter Cliente

▣ Controller : Sequence «control»

▣ Interface : Sequence «boundary»

CONNECTORS

CONNECTORS

 **Include** «include» Source -> Destination

From: Manter Cliente : UseCase, Public

To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Cadastrar Reserva : UseCase, Public

To: Manter Cliente : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Recepcionista

Target: Public (UseCase) Manter Cliente

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Cliente

Controller

Sequence «control» owned by 'Manter Cliente', in package 'Manter Usuários'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: Adicionar(TEntity)

 Sequence from «control» Controller to UsuarioRepository

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Cliente', in package 'Manter Usuários'

Interface

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

- ➡ Sequence from Repcionista to «boundary» Interface

Realizar Login

UseCase in package 'RealizarLogin'

Realizar Login
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Realizar Login

- █ Controller : Sequence «control»

- █ Interface : Sequence «boundary»

CONNECTORS

↗ **Include** «include» Source -> Destination
 From: Realizar CheckIn : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination
 From: Cadastrar Reserva : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination
 From: Manter Gerente : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination
 From: Manter Quartos : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination
 From: Realizar CheckOut : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination
 From: Manter Repcionista : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Extend** «extend» Source -> Destination
 From: Registrar Novo Cliente : UseCase, Public
 To: Realizar Login : UseCase, Public

CONNECTORS

 **Include** «include» Source -> Destination

From: Manter Cliente : UseCase, Public

To: Realizar Login : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Ator

Target: Public (UseCase) Realizar Login

Controller

Sequence «control» owned by 'Realizar Login', in package 'RealizarLogin'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: BuscarPorLogin(string)

 Sequence from «control» Controller to UsuarioRepository

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Realizar Login', in package 'RealizarLogin'

Interface

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Ator to «boundary» Interface

Manter Quartos

UseCase in package 'Manter Quartos'

Manter Quartos
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Manter Quartos

 Controller : Sequence «control»

 Interface : Sequence «boundary»

CONNECTORS

 **Include** «include» Source -> Destination

From: Manter Quartos : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination

From: Manter Quartos : UseCase, Public
To: Manter Categorias : UseCase, Public

 **Include** «include» Source -> Destination

From: Cadastrar Reserva : UseCase, Public
To: Manter Quartos : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Quartos

Controller

Sequence «control» owned by 'Manter Quartos', in package 'Manter Quartos'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: AdicionarSeNaoExiste(Categoria)

 Sequence from «control» Controller to CategoriaRepository

Name: Adicionar(Quarto)

 Sequence from «control» Controller to QuartoRepository

INCOMING BEHAVIORAL RELATIONSHIPS

INCOMING BEHAVIORAL RELATIONSHIPS

- ➡ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Quartos', in package 'Manter Quartos'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

- ⬅ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

- ➡ Sequence from Gerente to «boundary» Interface

Manter Reservas

Boundary in package 'Manter Reservas'

Manter Reservas
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020
Extends

Cadastrar Reserva

UseCase in package 'Manter Reservas'

Cadastrar Reserva
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 01/12/2020

ELEMENTS OWNED BY Cadastrar Reserva

- █ Controller : Sequence «control»
- █ Interface : Sequence «boundary»

CONNECTORS

CONNECTORS	
 Include «include»	Source -> Destination
From:	Cadastrar Reserva : UseCase, Public
To:	Manter Cliente : UseCase, Public
 Include «include»	Source -> Destination
From:	Cadastrar Reserva : UseCase, Public
To:	Realizar Login : UseCase, Public
 Include «include»	Source -> Destination
From:	Cadastrar Reserva : UseCase, Public
To:	Manter Quartos : UseCase, Public
 Include «include»	Source -> Destination
From:	Cadastrar Reserva : UseCase, Public
To:	Informar Período : UseCase, Public
 Extend «extend»	Source -> Destination
From:	Manter Consumo : UseCase, Public
To:	Cadastrar Reserva : UseCase, Public

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) Usuario	Target: Public (UseCase) Cadastrar Reserva
 Association (direction: Unspecified)	
Source: Public (Actor) Recepionista	Target: Public (UseCase) Cadastrar Reserva

Cadastrar Reserva diagram

Interaction diagram in package 'Manter Reservas'

Cadastrar Reserva
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

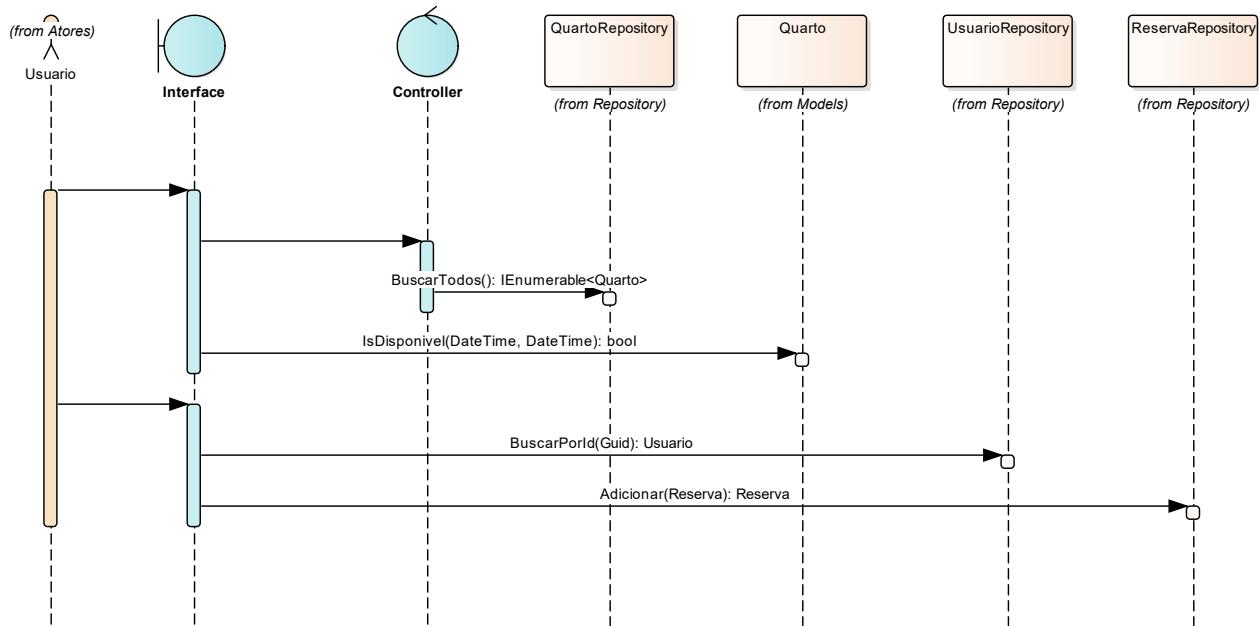


Figure 8: Cadastrar Reserva

Quarto

Class in package 'Models'

Quarto
Version 1.0 Phase 1.0 Proposed
radio created on 08/11/2020. Last modified 01/12/2020

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from Categoria to Quarto	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Reserva to Quarto	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ id : Guid	Private [Is static False. Containment is Not Specified.]
◆ numeroDoQuarto : int	Private [Is static False. Containment is Not Specified.]
◆ valorDiaria : decimal	Private [Is static False. Containment is Not Specified.]
◆ categoria : Categoria	Private [Is static False. Containment is Not Specified.]
◆ reservas : ICollection<Reserva>	Private [Is static False. Containment is Not Specified.]

ATTRIBUTES	
	[Is static False. Containment is Not Specified.]
ASSOCIATIONS	
 Association (direction: Source -> Destination)	
Source: Public (Class) ReservaRepository	Target: Private quarto (Class) Quarto
OPERATIONS	
◆ Id () : Guid Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ NumeroDoQuarto () : int Public	
Properties:	
Attribute = [Display(Name = "Nº do quarto"), Range(1, double.PositiveInfinity, ErrorMessage = "{0} deve ser maior ou igual a {1}")]	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ValorDiaria () : decimal Public	
Properties:	
Attribute = [Display(Name = "Valor da diária"), Range(0.1,double.PositiveInfinity,ErrorMessage ="{0} deve ser maior ou igual a {1}")]	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Categoria () : Categoria Public	
Properties:	
virtual = true	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Reservas () : ICollection<Reserva> Public	
Properties:	
virtual = true	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Excluido () : bool Public	
Properties:	
override = true	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ToString () : string Public	
Properties:	
override = true	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Quarto () : Public	
Properties:	
override = true	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ CategoridaId () : Guid Public	
Properties:	
Attribute = [ForeignKey("Categoria"), Display(Name = "Categoria"), Required(ErrorMessage ="{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ AlterarQuarto (quarto : Quarto) : void Internal	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsDisponivel () : bool Public	
Properties:	
ea_guid = {00CAB56E-661B-40d0-9C58-5B2DE72AD7CF} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ IsDisponivel (dateTime : DateTime) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsCheckin () : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsCheckin (dateTime : DateTime) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsDisponivel (dateTime : DateTime , dataFinal : DateTime) : bool Public	
Properties:	
ea_guid = {ED806F10-DDC9-4c32-8453-EE3F491F0B04} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ ExcluirQuarto () : void Internal	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

QuartoRepository

Class in package 'Repository'

QuartoRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from QuartoRepository to BaseRepository	[Direction is 'Source -> Destination'.]

OPERATIONS	
❖ QuartoRepository () : Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ QuartoRepository (db : ConexaoBanco) : Public	Properties: initializer = base(db) [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarPorId (id : Guid) : Quarto Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarTodos () : IEnumerable<Quarto> Public	Properties: ea_guid = {47EACF54-0D12-49f2-96B9-07ABD4180148} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Quarto> Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Adicionar (entity : Quarto) : Quarto Public	Properties: override = true ea_guid = {FAD3BE55-DEC4-4129-8900-C039AFD30248} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Atualizar (entity : Quarto) : Quarto Public	Properties: override = true [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

ReservaRepository

Class in package 'Repository'

ReservaRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from ReservaRepository to BaseRepositorio	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
-------------------	--

ATTRIBUTES
<p>◆ quarto : Quarto Private Const [Is static False. Containment is Not Specified.]</p>
ASSOCIATIONS
<p>✍ Association (direction: Source -> Destination) Source: Public (Class) ReservaRepository Target: Private quarto (Class) Quarto</p>
OPERATIONS
<p>◆ ReservaRepository (quarto : Quarto) : Public Properties: initializer = base() [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ ReservaRepository (quarto : Quarto, db : ConexaoBanco) : Public Properties: initializer = base(db) [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Adicionar (entity : Reserva) : Reserva Public Properties: override = true ea_guid = {F76C017A-DE90-4c2f-B909-D67D6A7EF580} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Atualizar (entity : Reserva) : Reserva Public Properties: override = true ea_guid = {42D4E9A9-90BD-4700-B963-7986E372C24A} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Buscar (id : Guid) : Reserva Internal Properties: ea_guid = {5FF22131-167D-4f3a-BE52-D41ED9896169} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Buscar () : IEnumerable<Reserva> Internal Properties: ea_guid = {01E48410-BE30-4638-BD64-820248ED0570} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

UsuarioRepository

Class in package 'Repository'

UsuarioRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from UsuarioRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

OPERATIONS

◊ UsuarioRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ UsuarioRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorId (usuarioId : Guid) : Usuario Public

Properties:

ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorLogin (login : string) : Usuario Public

Properties:

ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarTodos () : IEnumerable<Usuario> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Usuario

Actor in package 'Atores'

Usuario

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from Usuario to «boundary» Interface

↳ Sequence from Usuario to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from Usuario to Ator

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Generalization from Recepcionista to Usuario

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

↙ Association (direction: Unspecified)

Source: Public (Actor) Usuario

Target: Public (UseCase) Cadastrar Reserva

INTERACTION MESSAGES

✉ 1.0 '' from 'Usuario' sent to 'Interface'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

✉ 1.1 '' from 'Interface' sent to 'Controller'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

✉ 1.2 'BuscarTodos()' from 'Controller' sent to 'QuartoRepository'.

Synchronous Call. Returns IEnumerable<Quarto>.

[Return is False. Iteration is False. New group is False.]

✉ 1.3 'IsDisponivel(DateTime, DateTime)' from 'Interface' sent to 'Quarto'.

Synchronous Call. Returns bool.

[Return is False. Iteration is False. New group is False.]

✉ 1.4 " from 'Usuario' sent to 'Interface'.
Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]
✉ 1.5 'BuscarPorId(Guid)' from 'Interface' sent to 'UsuarioRepository'.
Synchronous Call. Returns Usuario. [Return is False. Iteration is False. New group is False.]
✉ 1.6 'Adicionar(Reserva)' from 'Interface' sent to 'ReservaRepository'.
Synchronous Call. Returns Reserva. [Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Cadastrar Reserva', in package 'Manter Reservas'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: BuscarTodos() ↳ Sequence from «control» Controller to QuartoRepository
INCOMING BEHAVIORAL RELATIONSHIPS
↗ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Cadastrar Reserva', in package 'Manter Reservas'

Interface

Version 1.0 Phase 1.0 Proposed
radio created on 01/12/2020. Last modified 01/12/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: Adicionar(Reserva) ↳ Sequence from «boundary» Interface to ReservaRepository
Name: IsDisponivel(DateTime, DateTime) ↳ Sequence from «boundary» Interface to Quarto
Name: BuscarPorId(Guid) ↳ Sequence from «boundary» Interface to UsuarioRepository

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Usuario to «boundary» Interface

 Sequence from Usuario to «boundary» Interface

Informar Período

UseCase in package 'Manter Reservas'

Informar Período
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

CONNECTORS

 **Include** «include» Source -> Destination

From: Cadastrar Reserva : UseCase, Public

To: Informar Período : UseCase, Public

Manter Consumo

UseCase in package 'Manter Reservas'

Manter Consumo
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Manter Consumo

 Controller : Sequence «control»

 Interface : Sequence «boundary»

CONNECTORS

 **Extend** «extend» Source -> Destination

From: Manter Consumo : UseCase, Public

To: Cadastrar Reserva : UseCase, Public

Manter Consumo diagram

Interaction diagram in package 'Manter Reservas'

Manter Consumo
Version 1.0
radio created on 29/11/2020. Last modified 29/11/2020

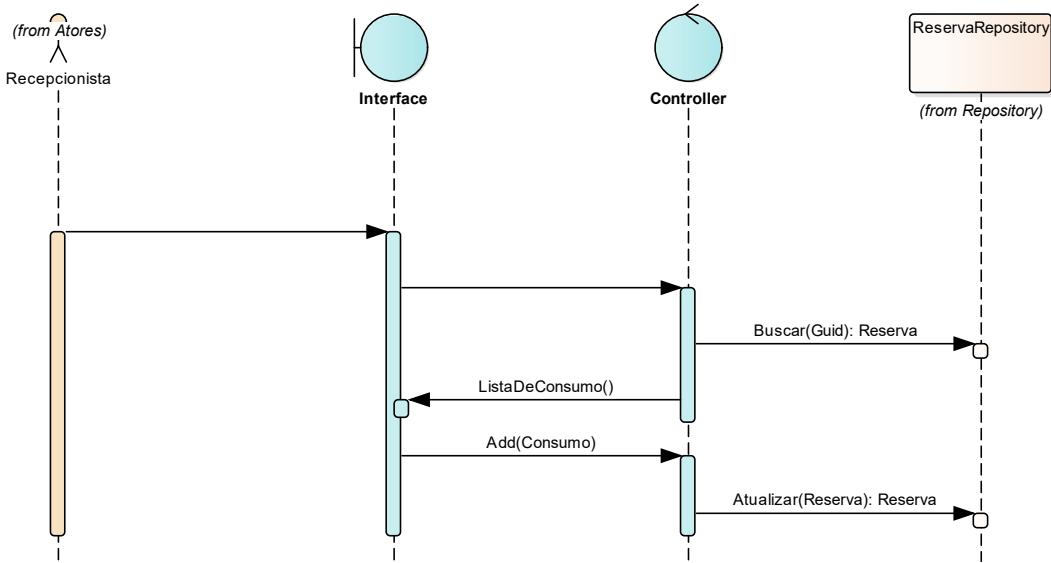


Figure 9: Manter Consumo

ReservaRepository

Class in package 'Repository'

ReservaRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from ReservaRepository to BaseRepositorio	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ quarto : Quarto Private Const	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
✍ Association (direction: Source -> Destination)	Source: Public (Class) ReservaRepository Target: Private quarto (Class) Quarto

OPERATIONS	
◆ ReservaRepository (quarto : Quarto) : Public	

OPERATIONS	
Properties:	
initializer = base()	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ReservaRepository (quarto : Quarto , db : ConexaoBanco) : Public	
Properties:	
initializer = base(db)	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Adicionar (entity : Reserva) : Reserva Public	
Properties:	
override = true	
ea_guid = {F76C017A-DE90-4c2f-B909-D67D6A7EF580}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Atualizar (entity : Reserva) : Reserva Public	
Properties:	
override = true	
ea_guid = {42D4E9A9-90BD-4700-B963-7986E372C24A}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Buscar (id : Guid) : Reserva Internal	
Properties:	
ea_guid = {5FF22131-167D-4f3a-BE52-D41ED9896169}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Buscar () : IEnumerable<Reserva> Internal	
Properties:	
ea_guid = {01E48410-BE30-4638-BD64-820248ED0570}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Repcionista

Actor in package 'Atores'

Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
↳	Sequence from Repcionista to «boundary» Interface
↳	Sequence from Repcionista to «boundary» Interface

OUTGOING BEHAVIORAL RELATIONSHIPS	
➡	Sequence from Recepcionista to «boundary» Interface
➡	Sequence from Recepcionista to «boundary» Interface
➡	Sequence from Recepcionista to «boundary» Interface
➡	Sequence from Recepcionista to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS	
↳	Generalization from Recepcionista to Usuario [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒	Generalization from Gerente to Recepcionista [Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↗	Association (direction: Unspecified) Source: Public (Actor) Recepcionista Target: Public (UseCase) Cadastrar Reserva
↗	Association (direction: Unspecified) Source: Public (Actor) Recepcionista Target: Public (UseCase) Manter Cliente
↗	Association (direction: Unspecified) Source: Public (Actor) Recepcionista Target: Public (UseCase) Realizar CheckIn
↗	Association (direction: Unspecified) Source: Public (Actor) Recepcionista Target: Public (UseCase) Realizar CheckOut

INTERACTION MESSAGES	
✉	1.0 " from 'Recepcionista' sent to 'Interface'. Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]

✉ 1.1 " from 'Interface' sent to 'Controller'.
Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]
✉ 1.2 'Buscar(Guid)' from 'Controller' sent to 'ReservaRepository'.
Synchronous Call. Returns Reserva. [Return is False. Iteration is False. New group is False.]
✉ 1.3 'ListaDeConsumo' from 'Controller' sent to 'Interface'.
Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]
✉ 1.4 'Add(Consumo)' from 'Interface' sent to 'Controller'.
Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]
✉ 1.5 'Atualizar(Reserva)' from 'Controller' sent to 'ReservaRepository'.
Synchronous Call. Returns Reserva. [Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Manter Consumo', in package 'Manter Reservas'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: Atualizar(Reserva) ↳ Sequence from «control» Controller to ReservaRepository
Name: ListaDeConsumo ↳ Sequence from «control» Controller to «boundary» Interface
Name: Buscar(Guid) ↳ Sequence from «control» Controller to ReservaRepository

INCOMING BEHAVIORAL RELATIONSHIPS
Name: Add(Consumo) ↗ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

- ➡ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Consumo', in package 'Manter Reservas'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

- Name: Add(Consumo)
- ➡ Sequence from «boundary» Interface to «control» Controller

- ➡ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

- Name: ListaDeConsumo
- ➡ Sequence from «control» Controller to «boundary» Interface

- ➡ Sequence from Repcionista to «boundary» Interface

Realizar CheckIn

UseCase in package 'Manter Reservas'

Realizar CheckIn
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Realizar CheckIn

- █ Controller : Sequence «control»

- █ Interface : Sequence «boundary»

CONNECTORS

- ↗ **Include** «include» Source -> Destination
 From: Realizar CheckIn : UseCase, Public
 To: Realizar Login : UseCase, Public

ASSOCIATIONS

ASSOCIATIONS

Association (direction: Unspecified)

Source: Public (Actor) Recepcionista

Target: Public (UseCase) Realizar CheckIn

Realizar CheckIn diagram

Interaction diagram in package 'Manter Reservas'

Realizar CheckIn
Version 1.0

radio created on 29/11/2020. Last modified 29/11/2020

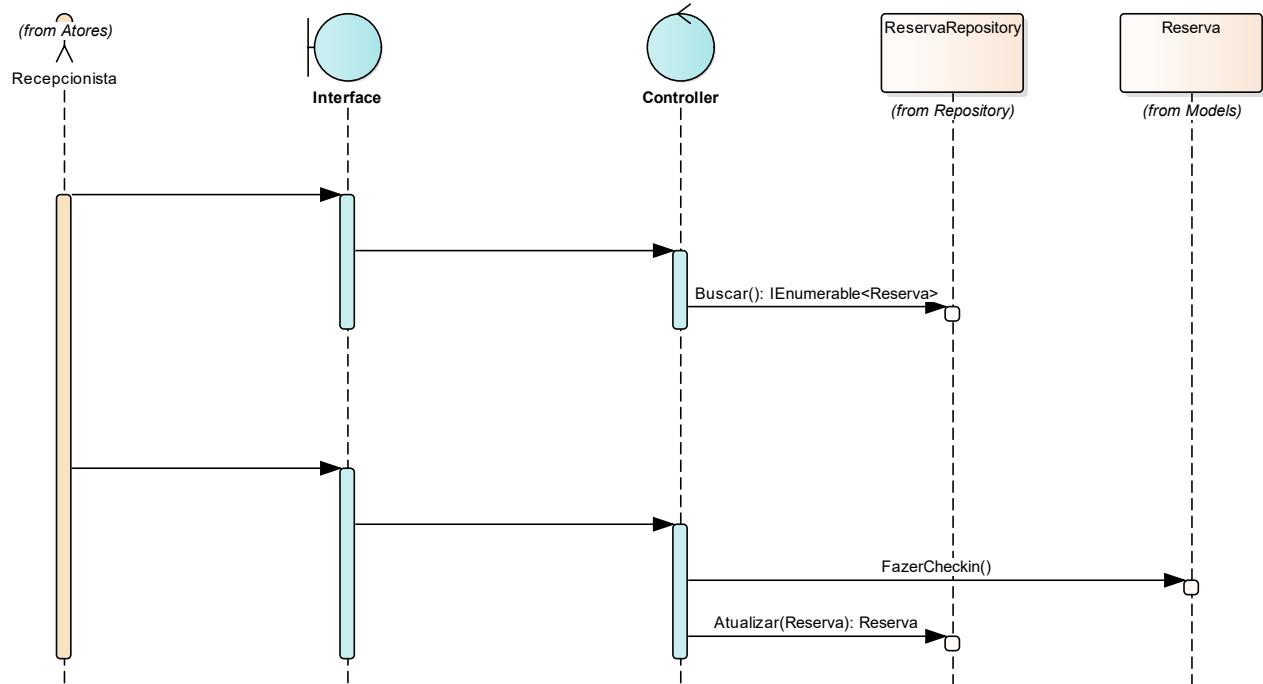


Figure 10: Realizar CheckIn

Reserva

Class in package 'Models'

Reserva

Version 1.0 Phase 1.0 Proposed
radio created on 08/11/2020. Last modified 01/12/2020

OUTGOING STRUCTURAL RELATIONSHIPS

Aggregation from Reserva to Quarto

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

Aggregation from Usuario to Reserva

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from Consumo to Reserva	[Direction is 'Source -> Destination'.]
ATTRIBUTES	
◆ id : Guid Private	[Is static False. Containment is Not Specified.]
◆ data : DateTime Private	[Is static False. Containment is Not Specified.]
◆ dataFinal : DateTime Private	[Is static False. Containment is Not Specified.]
◆ dataDeEntrada : DateTime? Private	[Is static False. Containment is Not Specified.]
◆ dataDeSaida : DateTime? Private	[Is static False. Containment is Not Specified.]
◆ valor : decimal Private	[Is static False. Containment is Not Specified.]
◆ usuario : Usuario Private	[Is static False. Containment is Not Specified.]
OPERATIONS	
◆ Excluido () : bool Public	
Properties:	
Attribute = [Display(Name ="Cancelada")]	
[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Id () : Guid Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Data () : DateTime Public	
Properties:	
Attribute = [Display(Name ="Data da reserva"),Required(ErrorMessage ="{0} é obrigatório")]	
[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ DataFinal () : DateTime Public	
Properties:	
Attribute = [Display(Name ="Data final da reserva"),Required(ErrorMessage ="{0} é obrigatório")]	

OPERATIONS	
[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ DataDeEntrada () : DateTime? Public	Properties: Attribute = [Display(Name ="Entrada")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ DataDeSaida () : DateTime? Public	Properties: Attribute = [Display(Name ="Saida")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Valor () : decimal Public	Properties: Attribute = [Display(Name ="Valor da diária")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Usuario () : Usuario Public	Properties: Attribute = [Display(Name = "Hóspede")] virtual = true [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Reserva () : Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsCheckin () : bool Public	Properties: ea_guid = {AFACF1E3-5C97-488e-A677-790F70AC4E7B} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsLivre () : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ValorFinal () : decimal Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsLivre (dateTime : DateTime) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsLivre (dateTime : DateTime , dataFim : DateTime) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ QuantidadeDiarias () : int Public	

OPERATIONS	
<p>Properties:</p> <p>Attribute = [Display(Name ="Quantidade de diárias"),Range(1,100,ErrorMessage ="{0} deve ser entre {1} e {2}")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ UsuarioId () : Guid Public</p> <p>Properties:</p> <p>Attribute = [ForeignKey("Usuario"), Display(Name ="Hóspede"), Required(ErrorMessage = "{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ Adicionar (reserva : Reserva) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ Atualizar (reserva : Reserva) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ FazerCheckin () : void Public</p> <p>Properties:</p> <p>ea_guid = {CA47155F-4C6B-4cc2-9DCF-D05B622E2942} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ FazerCheckout () : void Public</p> <p>Properties:</p> <p>ea_guid = {7BBFF975-8108-49a4-B301-BEB60CABB25C} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ ExcluirReserva () : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ IsContains (textoDigitado : string) : bool Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	

ReservaRepository

Class in package 'Repository'

ReservaRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS	
<p>← Generalization from ReservaRepository to BaseRepositorio [Direction is 'Source -> Destination'.]</p>	

ATTRIBUTES
<p>◆ quarto : Quarto Private Const [Is static False. Containment is Not Specified.]</p>
ASSOCIATIONS
<p>✍ Association (direction: Source -> Destination) Source: Public (Class) ReservaRepository Target: Private quarto (Class) Quarto</p>
OPERATIONS
<p>◆ ReservaRepository (quarto : Quarto) : Public Properties: initializer = base() [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ ReservaRepository (quarto : Quarto, db : ConexaoBanco) : Public Properties: initializer = base(db) [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Adicionar (entity : Reserva) : Reserva Public Properties: override = true ea_guid = {F76C017A-DE90-4c2f-B909-D67D6A7EF580} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Atualizar (entity : Reserva) : Reserva Public Properties: override = true ea_guid = {42D4E9A9-90BD-4700-B963-7986E372C24A} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Buscar (id : Guid) : Reserva Internal Properties: ea_guid = {5FF22131-167D-4f3a-BE52-D41ED9896169} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Buscar () : IEnumerable<Reserva> Internal Properties: ea_guid = {01E48410-BE30-4638-BD64-820248ED0570} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

Repcionista

Actor in package 'Atores'

Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from Repcionista to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from Repcionista to Usuario

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Gerente to Repcionista

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

↙ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Cadastrar Reserva

↙ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Manter Cliente

↙ Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Realizar CheckIn

↙ Association (direction: Unspecified)

ASSOCIATIONS	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Realizar CheckOut
INTERACTION MESSAGES	
✉ 1.0 " from 'Recepcionista' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.1 " from 'Interface' sent to 'Controller'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.2 'Buscar()' from 'Controller' sent to 'ReservaRepository'.	
Synchronous Call. Returns IEnumerable<Reserva>.	[Return is False. Iteration is False. New group is False.]
✉ 1.3 " from 'Recepcionista' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.4 " from 'Interface' sent to 'Controller'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.5 'FazerCheckin()' from 'Controller' sent to 'Reserva'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.6 'Atualizar(Reserva)' from 'Controller' sent to 'ReservaRepository'.	
Synchronous Call. Returns Reserva.	[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Realizar CheckIn', in package 'Manter Reservas'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: Buscar()

➡ Sequence from «control» Controller to ReservaRepository

Name: Atualizar(Reserva)

➡ Sequence from «control» Controller to ReservaRepository

Name: FazerCheckin()

➡ Sequence from «control» Controller to Reserva

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Sequence from «boundary» Interface to «control» Controller

➡ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Realizar CheckIn', in package 'Manter Reservas'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

➡ Sequence from «boundary» Interface to «control» Controller

➡ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

➡ Sequence from Repcionista to «boundary» Interface

➡ Sequence from Repcionista to «boundary» Interface

Realizar CheckOut

UseCase in package 'Manter Reservas'

Realizar CheckOut
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Realizar CheckOut

ELEMENTS OWNED BY Realizar CheckOut	
█	Filtrar Quartos Ocupados : InteractionFragment
█	Controller : Sequence «control»
█	Interface : Sequence «boundary»

CONNECTORS	
↗ Include «include»	Source -> Destination From: Realizar CheckOut : UseCase, Public To: Realizar Login : UseCase, Public

ASSOCIATIONS	
↗ Association (direction: Unspecified)	Source: Public (Actor) Repcionista Target: Public (UseCase) Realizar CheckOut

Realizar CheckOut diagram

Interaction diagram in package 'Manter Reservas'

Realizar CheckOut
Version 1.0
radio created on 29/11/2020. Last modified 29/11/2020

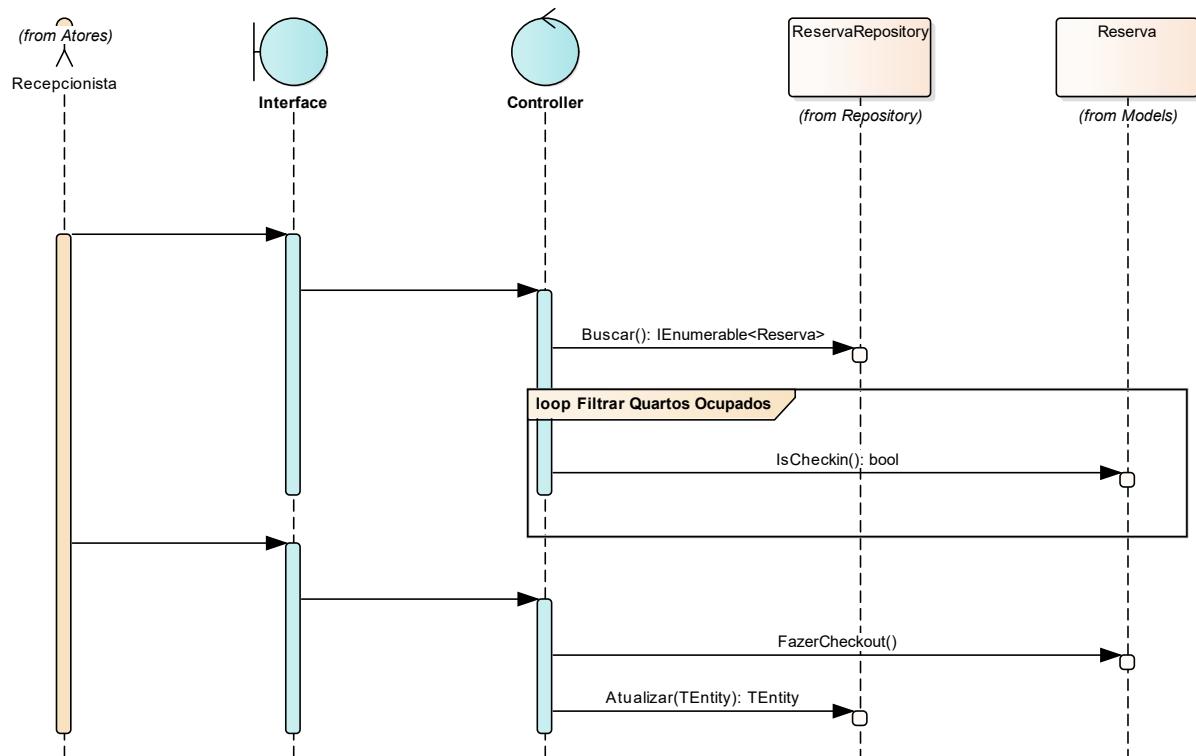


Figure 11: Realizar CheckOut

Reserva*Class in package 'Models'*

Reserva Version 1.0 Phase 1.0 Proposed radio created on 08/11/2020. Last modified 01/12/2020
OUTGOING STRUCTURAL RELATIONSHIPS
<p>⬅ Aggregation from Reserva to Quarto</p> <p>[Direction is 'Source -> Destination'.]</p>
INCOMING STRUCTURAL RELATIONSHIPS
<p>➡ Aggregation from Usuario to Reserva</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>➡ Aggregation from Consumo to Reserva</p> <p>[Direction is 'Source -> Destination'.]</p>
ATTRIBUTES
<p>◆ id : Guid Private</p> <p>[Is static False. Containment is Not Specified.]</p>
<p>◆ data : DateTime Private</p> <p>[Is static False. Containment is Not Specified.]</p>
<p>◆ dataFinal : DateTime Private</p> <p>[Is static False. Containment is Not Specified.]</p>
<p>◆ dataDeEntrada : DateTime? Private</p> <p>[Is static False. Containment is Not Specified.]</p>
<p>◆ dataDeSaida : DateTime? Private</p> <p>[Is static False. Containment is Not Specified.]</p>
<p>◆ valor : decimal Private</p> <p>[Is static False. Containment is Not Specified.]</p>
<p>◆ usuario : Usuario Private</p> <p>[Is static False. Containment is Not Specified.]</p>
OPERATIONS
<p>◆ Excluido () : bool Public</p>

OPERATIONS
<p>Properties:</p> <p>Attribute = [Display(Name ="Cancelada")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Id () : Guid Public [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Data () : DateTime Public</p> <p>Properties:</p> <p>Attribute = [Display(Name ="Data da reserva"),Required(ErrorMessage ="{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ DataFinal () : DateTime Public</p> <p>Properties:</p> <p>Attribute = [Display(Name ="Data final da reserva"),Required(ErrorMessage ="{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ DataDeEntrada () : DateTime? Public</p> <p>Properties:</p> <p>Attribute = [Display(Name ="Entrada")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ DataDeSaida () : DateTime? Public</p> <p>Properties:</p> <p>Attribute = [Display(Name ="Saida")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Valor () : decimal Public</p> <p>Properties:</p> <p>Attribute = [Display(Name ="Valor da diárida")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Usuario () : Usuario Public</p> <p>Properties:</p> <p>Attribute = [Display(Name = "Hóspede")] virtual = true [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Reserva () : Public</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ IsCheckin () : bool Public</p> <p>Properties:</p> <p>ea_guid = {AFACF1E3-5C97-488e-A677-790F70AC4E7B}</p>

OPERATIONS	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ IsLivre () : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ValorFinal () : decimal Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsLivre (dateTime : DateTime) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsLivre (dateTime : DateTime, dataFim : DateTime) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ QuantidadeDiarias () : int Public	<p>Properties:</p> <p>Attribute = [Display(Name = "Quantidade de diárias"), Range(1,100,ErrorMessage = "{0} deve ser entre {1} e {2}")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
◆ UsuárioId () : Guid Public	<p>Properties:</p> <p>Attribute = [ForeignKey("Usuário"), Display(Name = "Hóspede"), Required(ErrorMessage = "{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
◆ Adicionar (reserva : Reserva) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Atualizar (reserva : Reserva) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ FazerCheckin () : void Public	<p>Properties:</p> <p>ea_guid = {CA47155F-4C6B-4cc2-9DCF-D05B622E2942} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
◆ FazerCheckout () : void Public	<p>Properties:</p> <p>ea_guid = {7BBFF975-8108-49a4-B301-BEB60CABB25C} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
◆ ExcluirReserva () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsContains (textoDigitado : string) : bool Public	

OPERATIONS

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

ReservaRepository

Class in package 'Repository'

ReservaRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from ReservaRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ quarto : Quarto Private Const

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

✍ Association (direction: Source -> Destination)

Source: Public (Class) ReservaRepository

Target: Private quarto (Class) Quarto

OPERATIONS

◆ ReservaRepository (quarto : Quarto) : Public

Properties:

initializer = base()

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ ReservaRepository (quarto : Quarto , db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Adicionar (entity : Reserva) : Reserva Public

Properties:

override = true

ea_guid = {F76C017A-DE90-4c2f-B909-D67D6A7EF580}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Atualizar (entity : Reserva) : Reserva Public

OPERATIONS	
Properties:	
override = true	
ea_guid = {42D4E9A9-90BD-4700-B963-7986E372C24A}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Buscar (id : Guid) : Reserva Internal	
Properties:	
ea_guid = {5FF22131-167D-4f3a-BE52-D41ED9896169}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Buscar () : IEnumerable<Reserva> Internal	
Properties:	
ea_guid = {01E48410-BE30-4638-BD64-820248ED0570}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Repcionista

Actor in package 'Atores'

Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
↳	Sequence from Repcionista to «boundary» Interface
↳	Sequence from Repcionista to «boundary» Interface
↳	Sequence from Repcionista to «boundary» Interface
↳	Sequence from Repcionista to «boundary» Interface
↳	Sequence from Repcionista to «boundary» Interface
↳	Sequence from Repcionista to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS	
←	Generalization from Repcionista to Usuario [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS	
--	--

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

ASSOCIATIONS	
✍ Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Cadastrar Reserva
✍ Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Manter Cliente
✍ Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Realizar CheckIn
✍ Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Realizar CheckOut

INTERACTION MESSAGES	
✉ 1.0 " from 'Recepcionista' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.1 " from 'Interface' sent to 'Controller'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
✉ 1.2 'Buscar()' from 'Controller' sent to 'ReservaRepository'.	
Synchronous Call. Returns IEnumerable<Reserva>.	[Return is False. Iteration is False. New group is False.]
✉ 1.3 'IsCheckin()' from 'Controller' sent to 'Reserva'.	
Synchronous Call. Returns bool.	[Return is False. Iteration is False. New group is False.]
✉ 1.4 " from 'Recepcionista' sent to 'Interface'.	
Synchronous Call. Returns void.	

	[Return is False. Iteration is False. New group is False.]
✉ 1.5 " from 'Interface' sent to 'Controller'.	Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]
✉ 1.6 'FazerCheckout()' from 'Controller' sent to 'Reserva'.	Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]
✉ 1.7 'Atualizar(TEntity)' from 'Controller' sent to 'ReservaRepository'.	Synchronous Call. Returns TEntity. [Return is False. Iteration is False. New group is False.]

Filtrar Quartos Ocupados

InteractionFragment owned by 'Realizar CheckOut', in package 'Manter Reservas'

Filtrar Quartos Ocupados
 Version 1.0 Phase 1.0 Proposed
 radio created on 29/11/2020. Last modified 29/11/2020

Controller

Sequence «control» owned by 'Realizar CheckOut', in package 'Manter Reservas'

Controller
 Version 1.0 Phase 1.0 Proposed
 radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
Name: IsCheckin()  Sequence from «control» Controller to Reserva
Name: FazerCheckout()  Sequence from «control» Controller to Reserva
Name: Atualizar(TEntity)  Sequence from «control» Controller to ReservaRepository
Name: Buscar()  Sequence from «control» Controller to ReservaRepository

INCOMING BEHAVIORAL RELATIONSHIPS
 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS
➡ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Realizar CheckOut', in package 'Manter Reservas'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
⬅ Sequence from «boundary» Interface to «control» Controller
➡ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS
➡ Sequence from Recepcionista to «boundary» Interface
➡ Sequence from Recepcionista to «boundary» Interface

Manter Usuários

Package in package 'CasoDeUso'

Manter Usuários
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

Manter Usuários diagram

Use Case diagram in package 'Manter Usuários'

Manter Usuários
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

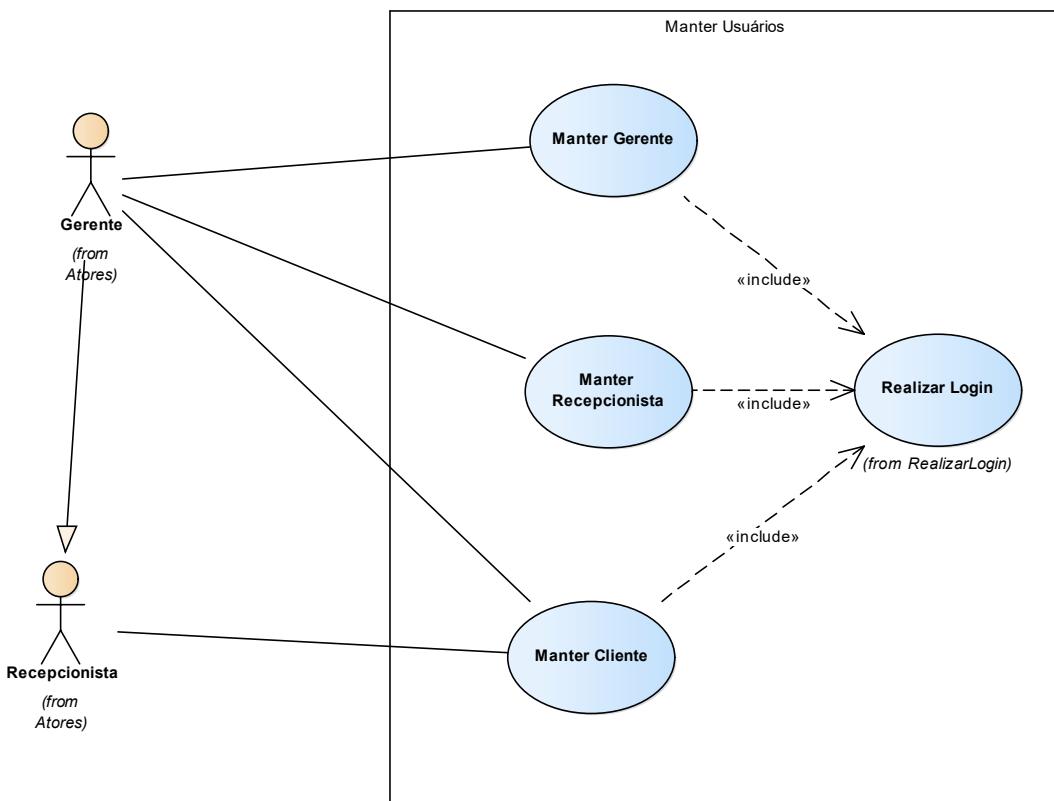


Figure 12: Manter Usuários

Gerente

Actor in package 'Atores'

Gerente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
↳ Sequence from Gerente to «boundary» Interface
↳ Sequence from Gerente to «boundary» Interface

OUTGOING BEHAVIORAL RELATIONSHIPS	
➡ Sequence from Gerente to «boundary» Interface	
➡ Sequence from Gerente to «boundary» Interface	
OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Gerente to Repcionista	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Repcionista
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Quartos
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Gerente
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Cliente
↗ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Categorias

Repcionista

Actor in package 'Atores'

Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
➡ Sequence from Repcionista to «boundary» Interface	
➡ Sequence from Repcionista to «boundary» Interface	
➡ Sequence from Repcionista to «boundary» Interface	

OUTGOING BEHAVIORAL RELATIONSHIPS	
 Sequence from Repcionista to «boundary» Interface	
 Sequence from Repcionista to «boundary» Interface	
 Sequence from Repcionista to «boundary» Interface	
OUTGOING STRUCTURAL RELATIONSHIPS	
 Generalization from Repcionista to Usuario	[Direction is 'Source -> Destination'.]
INCOMING STRUCTURAL RELATIONSHIPS	
 Generalization from Gerente to Repcionista	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) Repcionista	Target: Public (UseCase) Cadastrar Reserva
 Association (direction: Unspecified)	
Source: Public (Actor) Repcionista	Target: Public (UseCase) Manter Cliente
 Association (direction: Unspecified)	
Source: Public (Actor) Repcionista	Target: Public (UseCase) Realizar CheckIn
 Association (direction: Unspecified)	
Source: Public (Actor) Repcionista	Target: Public (UseCase) Realizar CheckOut

Manter Usuários

Boundary in package 'Manter Usuários'

Manter Usuários
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020
Extends

Realizar Login

UseCase in package 'RealizarLogin'

Realizar Login
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Realizar Login

 Controller : Sequence «control»

 Interface : Sequence «boundary»

CONNECTORS

 **Include** «include» Source -> Destination
From: Realizar CheckIn : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
From: Cadastrar Reserva : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
From: Manter Gerente : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
From: Manter Quartos : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
From: Realizar CheckOut : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
From: Manter Recepcionista : UseCase, Public
To: Realizar Login : UseCase, Public

 **Extend** «extend» Source -> Destination
From: Registrar Novo Cliente : UseCase, Public
To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
From: Manter Cliente : UseCase, Public
To: Realizar Login : UseCase, Public

ASSOCIATIONS

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Ator

Target: Public (UseCase) Realizar Login

Controller

Sequence «control» owned by 'Realizar Login', in package 'RealizarLogin'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: BuscarPorLogin(string)

 Sequence from «control» Controller to UsuarioRepository

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Realizar Login', in package 'RealizarLogin'

Interface

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Ator to «boundary» Interface

Manter Cliente

UseCase in package 'Manter Usuários'

Manter Cliente

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 01/12/2020

ELEMENTS OWNED BY Manter Cliente

- ## Controller : Sequence «control»

- ## Interface : Sequence «boundary»

CONNECTORS

 Include «include» Source -> Destination

From: Manter Cliente : UseCase, Public
To: Realizar Login : UseCase, Public

 Include «include» Source -> Destination

From: Cadastrar Reserva : UseCase, Public
To: Manter Cliente : UseCase, Public

ASSOCIATIONS

Association (direction: Unspecified)

Source: Public (Actor) Repcionista

Target: Public (UseCase) Manter Cliente

Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Cliente

Cadastrar Cliente diagram

Interaction diagram in package 'Manter Usuários'

Cadastral Cliente
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

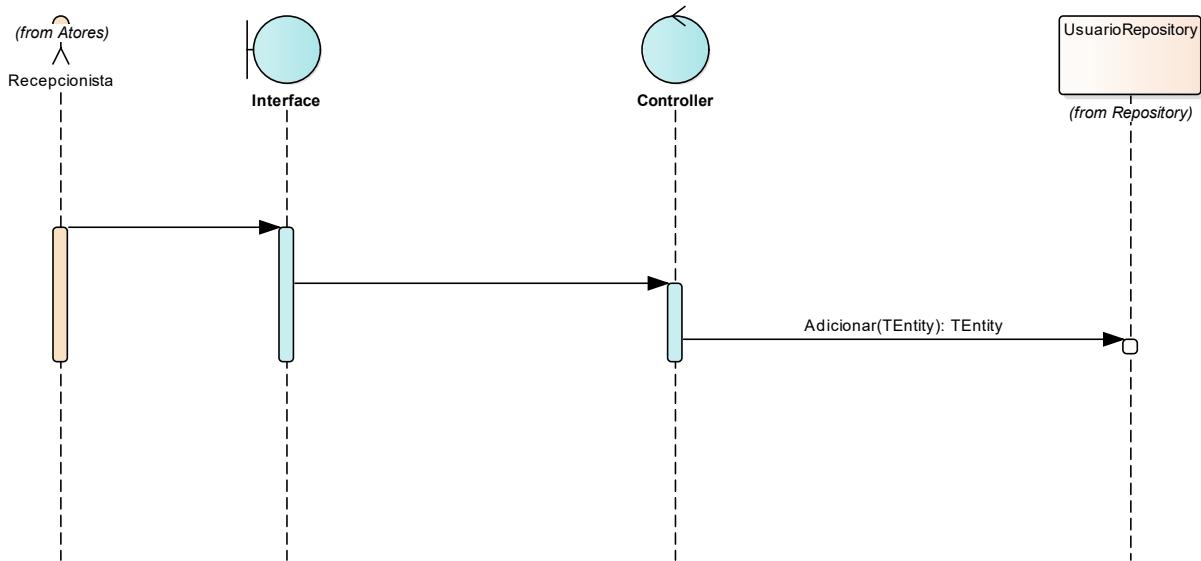


Figure 13: Cadastrar Cliente

UsuarioRepository

Class in package 'Repository'

UsuarioRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from UsuarioRepository to BaseRepository

[Direction is 'Source -> Destination'.]

OPERATIONS

◊ UsuarioRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ UsuarioRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorId (usuarioId : Guid) : Usuario Public

Properties:

ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorLogin (login : string) : Usuario Public

Properties:

ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS
❖ BuscarTodos () : IEnumerable<Usuario> Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Repcionista

Actor in package 'Atores'

Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
↳ Sequence from Repcionista to «boundary» Interface
↳ Sequence from Repcionista to «boundary» Interface
↳ Sequence from Repcionista to «boundary» Interface
↳ Sequence from Repcionista to «boundary» Interface
↳ Sequence from Repcionista to «boundary» Interface
↳ Sequence from Repcionista to «boundary» Interface

OUTGOING STRUCTURAL RELATIONSHIPS
↳ Generalization from Repcionista to Usuario [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS
⇒ Generalization from Gerente to Repcionista [Direction is 'Source -> Destination'.]

ASSOCIATIONS

ASSOCIATIONS	
Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Cadastrar Reserva
Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Manter Cliente
Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Realizar CheckIn
Association (direction: Unspecified)	
Source: Public (Actor) Recepcionista	Target: Public (UseCase) Realizar CheckOut

INTERACTION MESSAGES	
1.0 " from 'Repcionista' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
1.1 " from 'Interface' sent to 'Controller'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
1.2 'Adicionar(TEntity) from 'Controller' sent to 'UsuarioRepository'.	
Synchronous Call. Returns TEntity.	[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Manter Cliente', in package 'Manter Usuários'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
Name: Adicionar(TEntity)	
Sequence from «control» Controller to UsuarioRepository	

INCOMING BEHAVIORAL RELATIONSHIPS

- Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Cliente', in package 'Manter Usuários'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

- Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

- Sequence from Repcionista to «boundary» Interface

Manter Gerente

UseCase in package 'Manter Usuários'

Manter Gerente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 01/12/2020

ELEMENTS OWNED BY Manter Gerente

- Controller : Sequence «control»
- Interface : Sequence «boundary»

CONNECTORS

- Include** «include» Source -> Destination
From: Manter Gerente : UseCase, Public
To: Realizar Login : UseCase, Public

ASSOCIATIONS

- Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Gerente

Cadastrar Gerente diagram

Interaction diagram in package 'Manter Usuários'

Cadastrar Gerente
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

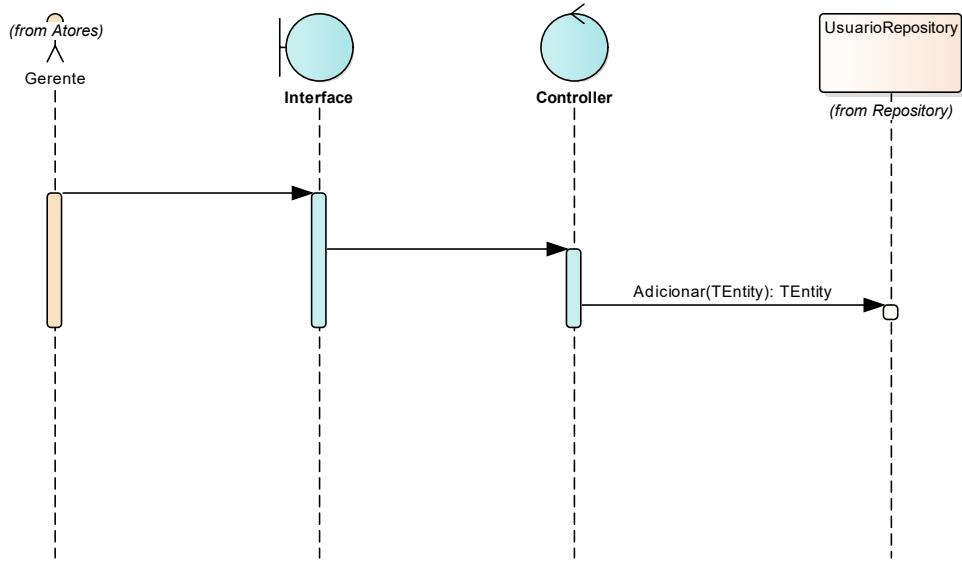


Figure 14: Cadastrar Gerente

UsuarioRepository

Class in package 'Repository'

UsuarioRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from UsuarioRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

OPERATIONS

✿ UsuarioRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

✿ UsuarioRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

✿ BuscarPorId (usuarioid : Guid) : Usuario Public

Properties:

ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30}

OPERATIONS	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
<p>◆ BuscarPorLogin (login : string) : Usuario Public</p> <p>Properties:</p> <p>ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76}</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ BuscarTodos () : IEnumerable<Usuario> Public</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	

Gerente

Actor in package 'Atores'

Gerente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Gerente to Recepcionista	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↙ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Recepcionista

ASSOCIATIONS	
Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Quartos
Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Gerente
Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Cliente
Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Categorias

INTERACTION MESSAGES	
1.0 " from 'Gerente' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
1.1 " from 'Interface' sent to 'Controller'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
1.2 'Adicionar(TEntity)' from 'Controller' sent to 'UsuarioRepository'.	
Synchronous Call. Returns TEntity.	[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Manter Gerente', in package 'Manter Usuários'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
Name: Adicionar(TEntity)	
Sequence from «control» Controller to UsuarioRepository	

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Gerente', in package 'Manter Usuários'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Gerente to «boundary» Interface

Manter Repcionista

UseCase in package 'Manter Usuários'

Manter Repcionista
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 01/12/2020

ELEMENTS OWNED BY Manter Repcionista

 Controller : Sequence «control»

 Interface : Sequence «boundary»

CONNECTORS

 **Include** «include» Source -> Destination
From: Manter Repcionista : UseCase, Public
To: Realizar Login : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Gerente

Target: Public (UseCase) Manter Repcionista

Cadastrar Repcionista diagram

Interaction diagram in package 'Manter Usuários'

Cadastrar Repcionista
Version 1.0
radio created on 29/11/2020. Last modified 29/11/2020

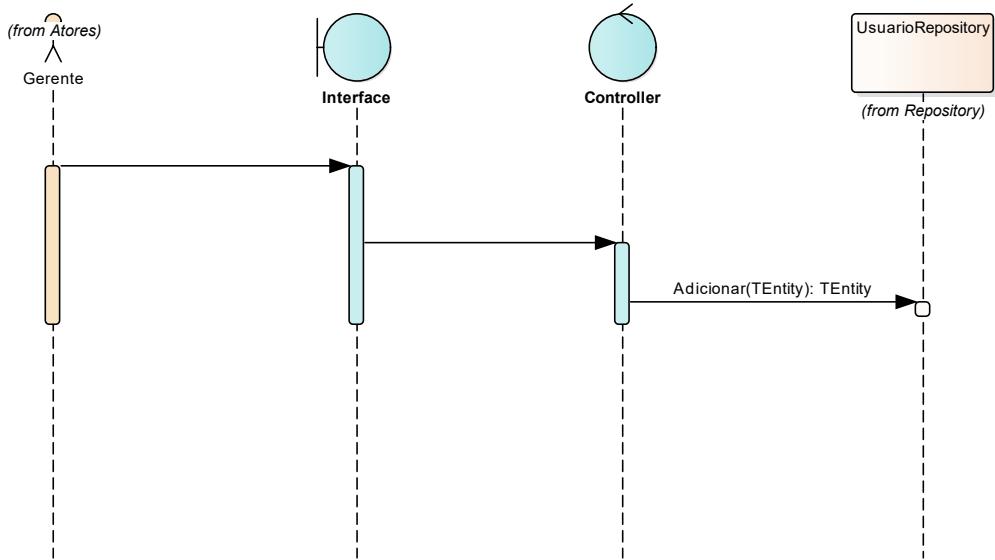


Figure 15: Cadastrar Repcionista

UsuarioRepository

Class in package 'Repository'

UsuarioRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from UsuarioRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

OPERATIONS

❖ UsuarioRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ UsuarioRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ BuscarPorId (usuarioid : Guid) : Usuario Public

Properties:

ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30}

OPERATIONS	
[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
<p>◆ BuscarPorLogin (login : string) : Usuario Public</p> <p>Properties:</p> <p>ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76}</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ BuscarTodos () : IEnumerable<Usuario> Public</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◆ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal</p> <p>[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	

Gerente

Actor in package 'Atores'

Gerente
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	
↳ Sequence from Gerente to «boundary» Interface	

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Generalization from Gerente to Recepcionista	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↙ Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Recepcionista

ASSOCIATIONS	
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Quartos
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Gerente
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Cliente
 Association (direction: Unspecified)	
Source: Public (Actor) Gerente	Target: Public (UseCase) Manter Categorias

INTERACTION MESSAGES	
 1.0 " from 'Gerente' sent to 'Interface'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
 1.1 " from 'Interface' sent to 'Controller'.	
Synchronous Call. Returns void.	[Return is False. Iteration is False. New group is False.]
 1.2 'Adicionar(TEntity) from 'Controller' sent to 'UsuarioRepository'.	
Synchronous Call. Returns TEntity.	[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Manter Recepcionista', in package 'Manter Usuários'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
Name: Adicionar(TEntity)	
 Sequence from «control» Controller to UsuarioRepository	

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Manter Repcionista', in package 'Manter Usuários'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Gerente to «boundary» Interface

RealizarLogin

Package in package 'CasoDeUso'

RealizarLogin
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

RealizarLogin diagram

Use Case diagram in package 'RealizarLogin'

RealizarLogin
Version 1.0
radio created on 29/11/2020. Last modified 01/12/2020

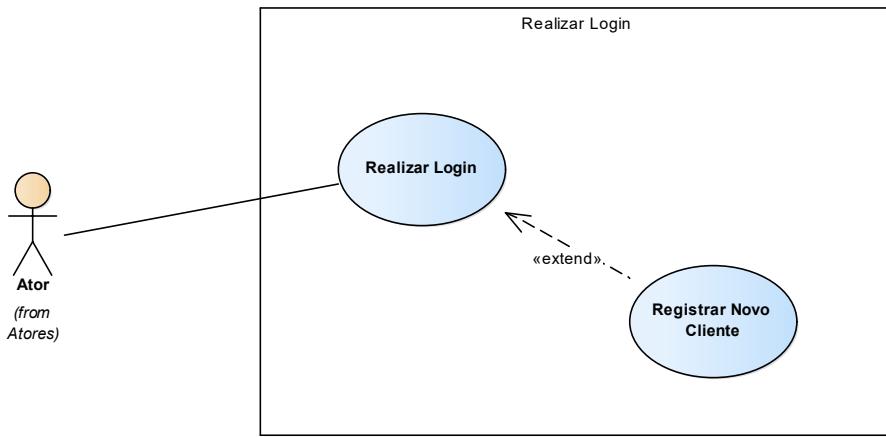


Figure 16: RealizarLogin

Ator

Actor in package 'Atores'

Ator
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
<p>↳ Sequence from Ator to «boundary» Interface</p> <p>↳ Sequence from Ator to «boundary» Interface</p>
INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Generalization from Usuario to Ator [Direction is 'Source -> Destination'.]</p>
ASSOCIATIONS
<p>↗ Association (direction: Unspecified)</p>

ASSOCIATIONS

Source: Public (Actor) Ator

Target: Public (UseCase) Realizar Login

Realizar Login*Boundary in package 'RealizarLogin'*

Realizar Login
 Version 1.0 Phase 1.0 Proposed
 radio created on 29/11/2020. Last modified 29/11/2020
 Extends

Realizar Login*UseCase in package 'RealizarLogin'*

Realizar Login
 Version 1.0 Phase 1.0 Proposed
 radio created on 29/11/2020. Last modified 29/11/2020

ELEMENTS OWNED BY Realizar Login

█ Controller : Sequence «control»

█ Interface : Sequence «boundary»

CONNECTORS↗ **Include** «include» Source -> Destination

From: Realizar CheckIn : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination

From: Cadastrar Reserva : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination

From: Manter Gerente : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination

From: Manter Quartos : UseCase, Public
 To: Realizar Login : UseCase, Public

↗ **Include** «include» Source -> Destination

From: Realizar CheckOut : UseCase, Public
 To: Realizar Login : UseCase, Public

CONNECTORS

 **Include** «include» Source -> Destination
 From: Manter Repcionista : UseCase, Public
 To: Realizar Login : UseCase, Public

 **Extend** «extend» Source -> Destination
 From: Registrar Novo Cliente : UseCase, Public
 To: Realizar Login : UseCase, Public

 **Include** «include» Source -> Destination
 From: Manter Cliente : UseCase, Public
 To: Realizar Login : UseCase, Public

ASSOCIATIONS

 Association (direction: Unspecified)

Source: Public (Actor) Ator

Target: Public (UseCase) Realizar Login

Realizar Login diagram

Interaction diagram in package 'RealizarLogin'

Realizar Login
 Version 1.0
 radio created on 29/11/2020. Last modified 29/11/2020

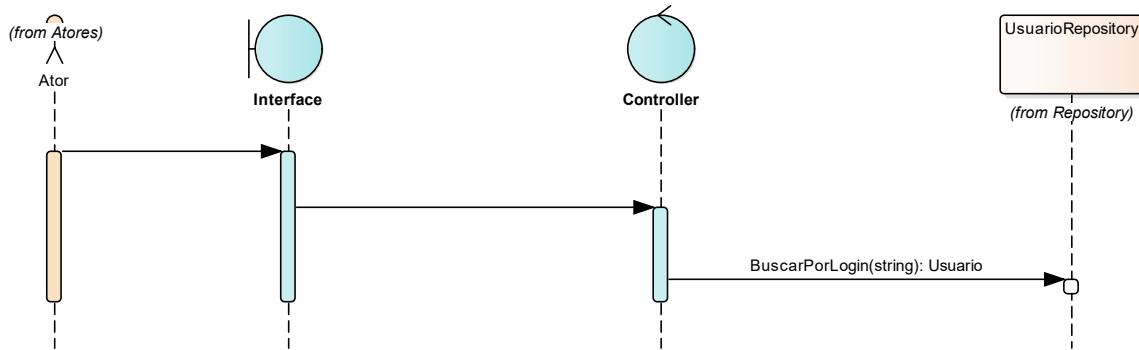


Figure 17: Realizar Login

UsuarioRepository

Class in package 'Repository'

UsuarioRepository
 Version 1.0 Phase 1.0 Proposed
 radio created on 17/11/2020. Last modified 01/12/2020
 Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS	
➡ Generalization from UsuarioRepository to BaseRepository	[Direction is 'Source -> Destination'.]
OPERATIONS	
<p>◊ UsuarioRepository () : Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◊ UsuarioRepository (db : ConexaoBanco) : Public Properties: initializer = base(db) [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◊ BuscarPorId (usuarioId : Guid) : Usuario Public Properties: ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◊ BuscarPorLogin (login : string) : Usuario Public Properties: ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◊ BuscarTodos () : IEnumerable<Usuario> Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◊ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	
<p>◊ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>	

Ator

Actor in package 'Atores'

Ator
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS	
➡ Sequence from Ator to «boundary» Interface	

OUTGOING BEHAVIORAL RELATIONSHIPS

Sequence from Ator to «boundary» Interface

INCOMING STRUCTURAL RELATIONSHIPS

Generalization from Usuario to Ator

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

Association (direction: Unspecified)

Source: Public (Actor) Ator

Target: Public (UseCase) Realizar Login

INTERACTION MESSAGES

1.0 " from 'Ator' sent to 'Interface'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

1.1 " from 'Interface' sent to 'Controller'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

1.2 'BuscarPorLogin(string)' from 'Controller' sent to 'UsuarioRepository'.

Synchronous Call. Returns Usuario.

[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Realizar Login', in package 'RealizarLogin'

Controller

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: BuscarPorLogin(string)

Sequence from «control» Controller to UsuarioRepository

INCOMING BEHAVIORAL RELATIONSHIPS

Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

Interface

Sequence «boundary» owned by 'Realizar Login', in package 'RealizarLogin'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

 Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

 Sequence from Actor to «boundary» Interface

Registrar Novo Cliente

UseCase in package 'RealizarLogin'

Registrar Novo Cliente
Version 1.0 Phase 1.0 Proposed
radio created on 01/12/2020. Last modified 01/12/2020

ELEMENTS OWNED BY Registrar Novo Cliente

 Controller : Sequence «control»

 Interface : Sequence «boundary»

CONNECTORS

 Extend «extend» Source -> Destination
From: Registrar Novo Cliente : UseCase, Public
To: Realizar Login : UseCase, Public

Registrar Novo Cliente diagram

Interaction diagram in package 'RealizarLogin'

Registrar Novo Cliente
Version 1.0
radio created on 01/12/2020. Last modified 01/12/2020

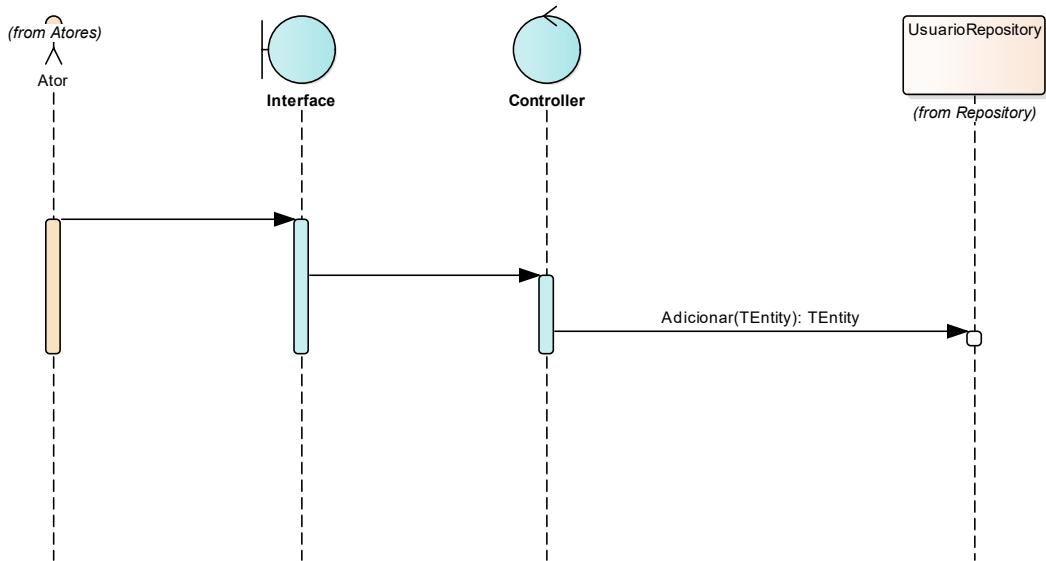


Figure 18: Registrar Novo Cliente

UsuarioRepository

Class in package 'Repository'

UsuarioRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from UsuarioRepository to BaseRepository

[Direction is 'Source -> Destination'.]

OPERATIONS

◊ UsuarioRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ UsuarioRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorId (usuarioId : Guid) : Usuario Public

Properties:

ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorLogin (login : string) : Usuario Public

Properties:

ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS
❖ BuscarTodos () : IEnumerable<Usuario> Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
❖ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Ator

Actor in package 'Atores'

Ator

Version 1.0 Phase 1.0 Proposed
radio created on 29/11/2020. Last modified 29/11/2020

OUTGOING BEHAVIORAL RELATIONSHIPS
↳ Sequence from Ator to «boundary» Interface
↳ Sequence from Ator to «boundary» Interface

INCOMING STRUCTURAL RELATIONSHIPS
⇒ Generalization from Usuario to Ator [Direction is 'Source -> Destination'.]

ASSOCIATIONS
✍ Association (direction: Unspecified) Source: Public (Actor) Ator Target: Public (UseCase) Realizar Login

INTERACTION MESSAGES
✉ 1.0 " from 'Ator' sent to 'Interface'. Synchronous Call. Returns void. [Return is False. Iteration is False. New group is False.]

✉ 1.1 " from 'Interface' sent to 'Controller'.

Synchronous Call. Returns void.

[Return is False. Iteration is False. New group is False.]

✉ 1.2 'Adicionar(TEntity)' from 'Controller' sent to 'UsuarioRepository'.

Synchronous Call. Returns TEntity.

[Return is False. Iteration is False. New group is False.]

Controller

Sequence «control» owned by 'Registrar Novo Cliente', in package 'RealizarLogin'

Controller
Version 1.0 Phase 1.0 Proposed
radio created on 01/12/2020. Last modified 01/12/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

Name: Adicionar(TEntity)

↳ Sequence from «control» Controller to UsuarioRepository

INCOMING BEHAVIORAL RELATIONSHIPS

↗ Sequence from «boundary» Interface to «control» Controller

Interface

Sequence «boundary» owned by 'Registrar Novo Cliente', in package 'RealizarLogin'

Interface
Version 1.0 Phase 1.0 Proposed
radio created on 01/12/2020. Last modified 01/12/2020

OUTGOING BEHAVIORAL RELATIONSHIPS

↳ Sequence from «boundary» Interface to «control» Controller

INCOMING BEHAVIORAL RELATIONSHIPS

↗ Sequence from Actor to «boundary» Interface

Models

Package in package 'SCRH'

Models
Version 1.0 Phase 1.0 Proposed
radio created on 06/11/2020. Last modified 06/11/2020

Models diagram

Class diagram in package 'Models'

Models
Version 1.0
radio created on 06/11/2020. Last modified 29/11/2020

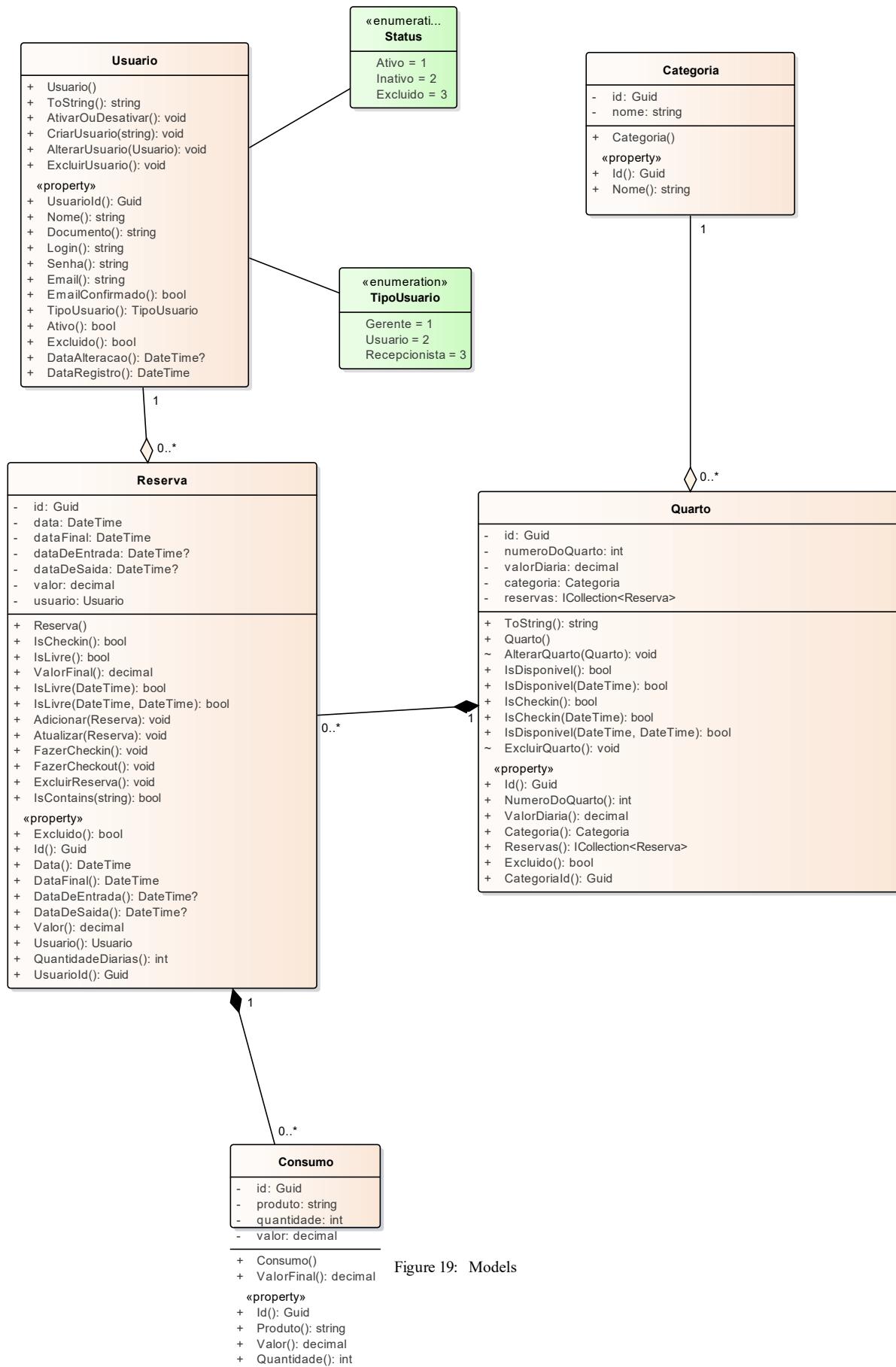


Figure 19: Models

Categoria

Class in package 'Models'

Categoria
 Version 1.0 Phase 1.0 Proposed
 radio created on 08/11/2020. Last modified 01/12/2020

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Aggregation from Categoria to Quarto

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ id : Guid Private

[Is static False. Containment is Not Specified.]

◆ nome : string Private

[Is static False. Containment is Not Specified.]

OPERATIONS

◆ Categoria () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Id () : Guid Public

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Nome () : string Public

[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Consumo

Class in package 'Models'

Consumo
 Version 1.0 Phase 1.0 Proposed
 radio created on 29/11/2020. Last modified 01/12/2020

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Aggregation from Consumo to Reserva

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ id : Guid Private

[Is static False. Containment is Not Specified.]

◆ produto : string Private

[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ quantidade : int	Private [Is static False. Containment is Not Specified.]
◆ valor : decimal	Private [Is static False. Containment is Not Specified.]
OPERATIONS	
◆ Consumo ()	Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Id ()	Guid Public [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Produto ()	string Public Properties: Attribute = [Display(Name ="Nome do produto"),Required] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Valor ()	decimal Public Properties: Attribute = [Display(Name ="Valor unitário"), Range(0.1,double.PositiveInfinity,ErrorMessage ="{0} deve ser maior ou igual a {1}")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Quantidade ()	int Public Properties: Attribute = [Range(1,double.PositiveInfinity,ErrorMessage ="{0} deve ser maior ou igual a {1}")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ValorFinal ()	decimal Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Quarto

Class in package 'Models'

Quarto
Version 1.0 Phase 1.0 Proposed
radio created on 08/11/2020. Last modified 01/12/2020

INCOMING STRUCTURAL RELATIONSHIPS

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Aggregation from Categoria to Quarto	[Direction is 'Source -> Destination'.]
⇒ Aggregation from Reserva to Quarto	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ id : Guid Private	[Is static False. Containment is Not Specified.]
◆ numeroDoQuarto : int Private	[Is static False. Containment is Not Specified.]
◆ valorDiaria : decimal Private	[Is static False. Containment is Not Specified.]
◆ categoria : Categoria Private	[Is static False. Containment is Not Specified.]
◆ reservas : ICollection<Reserva> Private	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
✓ Association (direction: Source -> Destination)	
Source: Public (Class) ReservaRepository	Target: Private quarto (Class) Quarto

OPERATIONS	
◆ Id () : Guid Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ NumeroDoQuarto () : int Public	<p>Properties:</p> <p>Attribute = [Display(Name = "Nº do quarto"), Range(1, double.PositiveInfinity, ErrorMessage = "{0} deve ser maior ou igual a {1}")]</p> <p>[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
◆ ValorDiaria () : decimal Public	<p>Properties:</p> <p>Attribute = [Display(Name = "Valor da diária"), Range(0.1,double.PositiveInfinity,ErrorMessage ="{0} deve ser maior ou igual a {1}")]</p> <p>[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

OPERATIONS
<p>◆ Categoría () : Categoría Public</p> <p>Properties:</p> <p> virtual = true</p> <p> [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Reservas () : ICollection<Reserva> Public</p> <p>Properties:</p> <p> virtual = true</p> <p> [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Excluido () : bool Public</p> <p> [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ ToString () : string Public</p> <p>Properties:</p> <p> override = true</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ Quarto () : Public</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ CategoríaId () : Guid Public</p> <p>Properties:</p> <p> Attribute = [ForeignKey("Categoria"), Display(Name = "Categoria"), Required(ErrorMessage ="{0} é obrigatório")]</p> <p> [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ AlterarQuarto (quarto : Quarto) : void Internal</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ IsDisponivel () : bool Public</p> <p>Properties:</p> <p> ea_guid = {00CAB56E-661B-40d0-9C58-5B2DE72AD7CF}</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ IsDisponivel (dateTime : DateTime) : bool Public</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ IsCheckin () : bool Public</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>
<p>◆ IsCheckin (dateTime : DateTime) : bool Public</p> <p> [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]</p>

OPERATIONS

❖ IsDisponivel (dateTime : DateTime , dataFinal : DateTime) : bool Public

Properties:

ea_guid = {ED806F10-DDC9-4c32-8453-EE3F491F0B04}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

❖ ExcluirQuarto () : void Internal

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Reserva

Class in package 'Models'

Reserva
Version 1.0 Phase 1.0 Proposed
radio created on 08/11/2020. Last modified 01/12/2020

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Aggregation from Reserva to Quarto

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

➡ Aggregation from Usuario to Reserva

[Direction is 'Source -> Destination'.]

➡ Aggregation from Consumo to Reserva

[Direction is 'Source -> Destination'.]

ATTRIBUTES

❖ id : Guid Private

[Is static False. Containment is Not Specified.]

❖ data : DateTime Private

[Is static False. Containment is Not Specified.]

❖ dataFinal : DateTime Private

[Is static False. Containment is Not Specified.]

❖ dataDeEntrada : DateTime? Private

[Is static False. Containment is Not Specified.]

❖ dataDeSaida : DateTime? Private

[Is static False. Containment is Not Specified.]

ATTRIBUTES	
◆ valor : decimal	Private [Is static False. Containment is Not Specified.]
◆ usuario : Usuario	Private [Is static False. Containment is Not Specified.]
OPERATIONS	
◆ Excluido ()	: bool Public Properties: Attribute = [Display(Name ="Cancelada")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Id ()	: Guid Public [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Data ()	: DateTime Public Properties: Attribute = [Display(Name ="Data da reserva"),Required(ErrorMessage ="{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ DataFinal ()	: DateTime Public Properties: Attribute = [Display(Name ="Data final da reserva"),Required(ErrorMessage ="{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ DataDeEntrada ()	: DateTime? Public Properties: Attribute = [Display(Name ="Entrada")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ DataDeSaida ()	: DateTime? Public Properties: Attribute = [Display(Name ="Saida")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Valor ()	: decimal Public Properties: Attribute = [Display(Name ="Valor da diária")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Usuario ()	: Usuario Public Properties:

OPERATIONS	
Attribute = [Display(Name = "Hóspede")] virtual = true [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Reserva () : Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ IsCheckin () : bool Public Properties: ea_guid = {AFACF1E3-5C97-488e-A677-790F70AC4E7B} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ IsLivre () : bool Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ ValorFinal () : decimal Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ IsLivre (dateTime : DateTime) : bool Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ IsLivre (dateTime : DateTime , dataFim : DateTime) : bool Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ QuantidadeDiarias () : int Public Properties: Attribute = [Display(Name = "Quantidade de diárias"), Range(1,100,ErrorMessage = "{0} deve ser entre {1} e {2}")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ UsuarioId () : Guid Public Properties: Attribute = [ForeignKey("Usuario"), Display(Name = "Hóspede"), Required(ErrorMessage = "{0} é obrigatório")] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Adicionar (reserva : Reserva) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ Atualizar (reserva : Reserva) : void Public [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	
◆ FazerCheckin () : void Public Properties: ea_guid = {CA47155F-4C6B-4cc2-9DCF-D05B622E2942} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]	

OPERATIONS	
◆ FazerCheckout () : void Public	Properties: ea_guid = {7BBFF975-8108-49a4-B301-BEB60CABB25C} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ExcluirReserva () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ IsContains (textoDigitado : string) : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Usuario

Class in package 'Models'

Usuario

Version 1.0 Phase 1.0 Proposed
radio created on 06/11/2020. Last modified 01/12/2020

OUTGOING STRUCTURAL RELATIONSHIPS	
↳ Aggregation from Usuario to Reserva	[Direction is 'Source -> Destination'.]

ASSOCIATIONS	
↗ Association (direction: Unspecified)	Source: Public (Class) Usuario Target: Public (Enumeration) TipoUsuario
↗ Association (direction: Unspecified)	Source: Public (Class) Usuario Target: Public (Enumeration) Status

OPERATIONS	
◆ Usuarioid () : Guid Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Nome () : string Public	Properties: Attribute = [Required] [Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Documento () : string Public	

OPERATIONS	
Properties:	
Attribute = [Display(Name ="CPF/Cnpj")]	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Login () : string Public	
Properties:	
Attribute = [Required]	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Senha () : string Public	
Properties:	
Attribute = [Required]	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Email () : string Public	
Properties:	
Attribute = [Required];[DataType(DataType.EmailAddress)];[EmailAddress(ErrorMessage ="{0} inválido")]	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ EmailConfirmado () : bool Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ TipoUsuario () : TipoUsuario Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Ativo () : bool Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Excluido () : bool Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ DataAlteracao () : DateTime? Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ DataRegistro () : DateTime Public	[Stereotype is «property». Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Usuario () : Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ToString () : string Public	
Properties:	
override = true	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ AtivarOuDesativar () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ CriarUsuario (senha : string) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ AlterarUsuario (usuario : Usuario) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ExcluirUsuario () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

Status

Enumeration in package 'Models'

Status	Version 1.0 Phase 1.0 Proposed radio created on 06/11/2020. Last modified 08/11/2020
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ATTRIBUTES	
◆ Ativo : Public = 1	[Is static False. Containment is Not Specified.]
◆ Inativo : Public = 2	[Is static False. Containment is Not Specified.]
◆ Excluido : Public = 3	Properties: Attribute = [Display(Name = "Excluído")]

[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
 Association (direction: Unspecified) Source: Public (Class) Usuario	Target: Public (Enumeration) Status

TipoUsuario

Enumeration in package 'Models'

TipoUsuario	Version 1.0 Phase 1.0 Proposed radio created on 06/11/2020. Last modified 08/11/2020
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ATTRIBUTES	
◆ Gerente : Public = 1	[Is static False. Containment is Not Specified.]
◆ Usuario : Public = 2	
Properties: Attribute = [Display(Name = "Usuário")]	[Is static False. Containment is Not Specified.]
◆ Recepcionista : Public = 3	[Is static False. Containment is Not Specified.]

ASSOCIATIONS	
↙ Association (direction: Unspecified)	
Source: Public (Class) Usuario	Target: Public (Enumeration) TipoUsuario

Repository

Package in package 'SCRH'

Repository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 17/11/2020

Repository diagram

Class diagram in package 'Repository'

Repository
Version 1.0
radio created on 17/11/2020. Last modified 17/11/2020

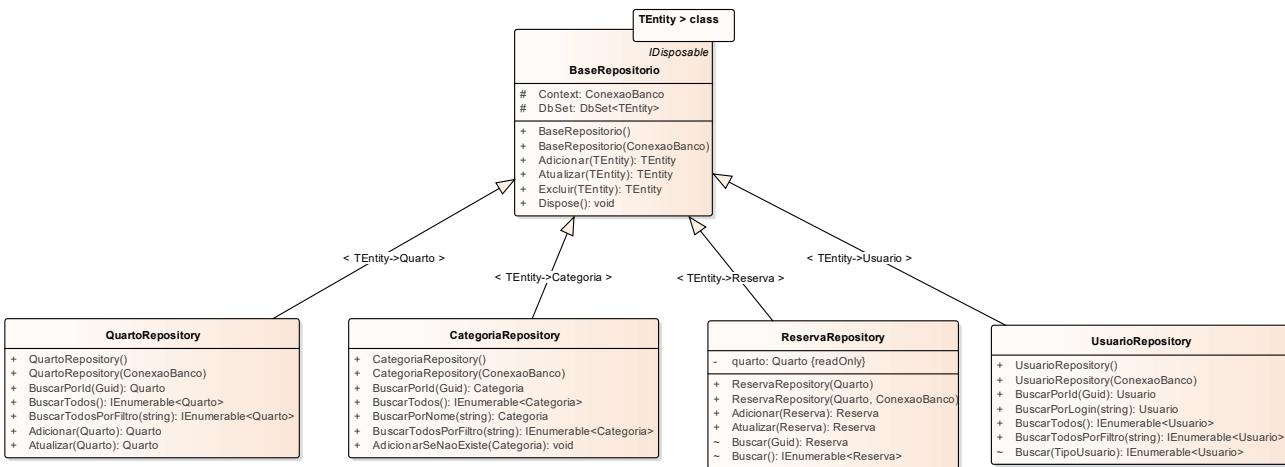


Figure 20: Repository

BaseRepository

Class in package 'Repository'

BaseRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends IDisposable

INCOMING STRUCTURAL RELATIONSHIPS
<p>⇒ Generalization from QuartoRepository to BaseRepository</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from ReservaRepository to BaseRepository</p> <p>[Direction is 'Source -> Destination'.]</p>
<p>⇒ Generalization from UsuarioRepository to BaseRepository</p> <p>[Direction is 'Source -> Destination'.]</p>

INCOMING STRUCTURAL RELATIONSHIPS	
⇒ Generalization from CategoriaRepository to BaseRepository	[Direction is 'Source -> Destination'.]

ATTRIBUTES	
◆ Context : ConexaoBanco Protected	[Is static False. Containment is Not Specified.]
◆ DbSet : DbSet< TEntity > Protected	[Is static False. Containment is Not Specified.]

OPERATIONS	
◆ BaseRepository () : Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ BaseRepository (db : ConexaoBanco) : Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Adicionar (entity : TEntity) : TEntity Public	Properties: virtual = true ea_guid = {CC604F03-5C85-4ff9-BDA4-DBFB7053BBB2} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Atualizar (entity : TEntity) : TEntity Public	Properties: virtual = true ea_guid = {6A3C36E2-B442-41ad-91E4-1EF79607063A} [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Excluir (entity : TEntity) : TEntity Public	Properties: virtual = true [Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Dispose () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

CategoriaRepository

Class in package 'Repository'

CategoriaRepository

Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from CategoriaRepository to BaseRepository

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ CategoriaRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ CategoriaRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarPorId (id : Guid) : Categoria Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarTodos () : IEnumerable<Categoria> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarPorNome (nome : string) : Categoria Public

Properties:

ea_guid = {A5F7FD65-521A-49cd-B616-370597044019}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Categoria> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ AdicionarSeNaoExiste (categoria : Categoria) : void Public

Properties:

ea_guid = {07B0154B-C65D-4bec-84D7-27787098B219}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

QuartoRepository

Class in package 'Repository'

QuartoRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from QuartoRepository to BaseRepository

[Direction is 'Source -> Destination'.]

OPERATIONS

◆ QuartoRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ QuartoRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarPorId (id : Guid) : Quarto Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarTodos () : IEnumerable<Quarto> Public

Properties:

ea_guid = {47EACF54-0D12-49f2-96B9-07ABD4180148}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Quarto> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Adicionar (entity : Quarto) : Quarto Public

Properties:

override = true

ea_guid = {FAD3BE55-DEC4-4129-8900-C039AFD30248}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Atualizar (entity : Quarto) : Quarto Public

Properties:

override = true

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

ReservaRepository

Class in package 'Repository'

ReservaRepository
 Version 1.0 Phase 1.0 Proposed
 radio created on 17/11/2020. Last modified 01/12/2020
 Extends BaseRepository

OUTGOING STRUCTURAL RELATIONSHIPS

OUTGOING STRUCTURAL RELATIONSHIPS

↳ Generalization from ReservaRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ quarto : Quarto Private Const

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

↙ Association (direction: Source -> Destination)

Source: Public (Class) ReservaRepository

Target: Private quarto (Class) Quarto

OPERATIONS

◆ ReservaRepository (quarto : Quarto) : Public

Properties:

initializer = base()

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ ReservaRepository (quarto : Quarto , db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Adicionar (entity : Reserva) : Reserva Public

Properties:

override = true

ea_guid = {F76C017A-DE90-4c2f-B909-D67D6A7EF580}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Atualizar (entity : Reserva) : Reserva Public

Properties:

override = true

ea_guid = {42D4E9A9-90BD-4700-B963-7986E372C24A}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Buscar (id : Guid) : Reserva Internal

Properties:

ea_guid = {5FF22131-167D-4f3a-BE52-D41ED9896169}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◆ Buscar () : IEnumerable<Reserva> Internal

OPERATIONS

Properties:

ea_guid = {01E48410-BE30-4638-BD64-820248ED0570}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

UsuarioRepository*Class in package 'Repository'*

UsuarioRepository
Version 1.0 Phase 1.0 Proposed
radio created on 17/11/2020. Last modified 01/12/2020
Extends BaseRepositorio

OUTGOING STRUCTURAL RELATIONSHIPS

⬅ Generalization from UsuarioRepository to BaseRepositorio

[Direction is 'Source -> Destination'.]

OPERATIONS

◊ UsuarioRepository () : Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ UsuarioRepository (db : ConexaoBanco) : Public

Properties:

initializer = base(db)

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorId (usuarioId : Guid) : Usuario Public

Properties:

ea_guid = {F1CC7ECD-D5B5-4b6e-B912-BC46EFA08D30}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarPorLogin (login : string) : Usuario Public

Properties:

ea_guid = {2B43C8AE-4BB7-47ac-A559-4592F891AB76}

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarTodos () : IEnumerable<Usuario> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ BuscarTodosPorFiltro (textoDigitado : string) : IEnumerable<Usuario> Public

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

◊ Buscar (tipo : TipoUsuario) : IEnumerable<Usuario> Internal

[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

