# security

Package in package 'Model'

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security

Version 1.0 Phase 1.0 Proposed

## security diagram

Requirements diagram in package 'security'

security

Version 1.0



1. security

## faire des testes réguliers

Requirement in package 'security'

faire des testes réguliers

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Aggregationfrom faire des testes régulière to Security  [ Directionis 'Source -> Destination'. ] |

## Limiter l'accé au data center

Requirement in package 'security'

Limiter l'accé au data center

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalizationfrom Limiter l'accé au data center to Sécurité physique  [ Directionis 'Source -> Destination'. ] |

## mettre à jour la sol

Requirement «Functional» in package 'security'

mettre à jour la sol

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Aggregationfrom «Functional» mettre à jour la sol to Security  [ Directionis 'Source -> Destination'. ] |

## respecter les normes

Requirement in package 'security'

respecter les normes

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Aggregation from respecter les normes to Security  [ Directionis 'Source -> Destination'. ] |

## Sécurité physique

Requirement in package 'security'

Sécurité physique

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Aggregationfrom Sécurité physique to Security  [ Directionis 'Source -> Destination'. ] |

| INCOMING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalizationfrom Limiter l'accé au data center to Sécurité physique  [ Directionis 'Source -> Destination'. ] |

## Security

Requirement in package 'security'

Security

Version 1.0 Phase 1.0 Proposed

| INCOMING STRUCTURAL RELATIONSHIPS |
| --- |
| Aggregationfrom faire des testes régulière to Security  [ Directionis 'Source -> Destination'. ] |
| Aggregation from respecter les normes to Security  [ Directionis 'Source -> Destination'. ] |
| Aggregation fromSurmenter les risques to Security  [ Directionis 'Source -> Destination'. ] |
| Aggregationfrom «Functional» mettre à jour la sol to Security  [ Directionis 'Source -> Destination'. ] |
| Aggregationfrom Sécurité physique to Security  [ Directionis 'Source -> Destination'. ] |

## Surmenter les risques

Requirement in package 'security'

Surmenter les risques

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Aggregation from Surmenter les risques to Security  [ Directionis 'Source -> Destination'. ] |

## Security SeqDiag

Package in package 'Model'

Security SeqDiag

Version 1.0 Phase 1.0 Proposed

### Starter Sequence Diagram diagram

Interaction diagram in package 'Security SeqDiag'

Starter Sequence Diagram

Version 1.0



1. Starter Sequence Diagram

### Text

Text in package 'Security SeqDiag'

Se Connecter

Text

Version 1.0 Phase 1.0 Proposed

Extends

### Text

Text in package 'Security SeqDiag'

Afficher les informations du client

Text

Version 1.0 Phase 1.0 Proposed

Extends

### Text

Text in package 'Security SeqDiag'

Mot de passe erronné trois fois

Text

Version 1.0 Phase 1.0 Proposed

Extends

### Text

Text in package 'Security SeqDiag'

envoyer une alerte pour changer le mdp

Text

Version 1.0 Phase 1.0 Proposed

Extends

|  |
| --- |
| INTERACTION MESSAGES |
| 1.0 '' from 'Client' sent to 'Logiciel'.  Synchronous Call. Returns void.  [ Return is False. Iteration is False. New group is False. ] |
| 1.1 '' from 'Logiciel' sent to 'Client'.  Synchronous Call. Returns void.  [ Return is False. Iteration is False. New group is False. ] |
| 1.2 '' from 'Client' sent to 'Logiciel'.  Synchronous Call. Returns void.  [ Return is False. Iteration is False. New group is False. ] |
| 1.3 '' from 'Logiciel' sent to 'Client'.  Synchronous Call. Returns void.  [ Return is False. Iteration is False. New group is False. ] |

### Client

Actor in package 'Security SeqDiag'

Client

Version 1.0 Phase 1.0 Proposed

| OUTGOING BEHAVIORAL RELATIONSHIPS |
| --- |
| Sequencefrom Client to Logiciel |
| Sequencefrom Client to Logiciel |

| INCOMING BEHAVIORAL RELATIONSHIPS |
| --- |
| Sequencefrom Logiciel to Client |
| Sequencefrom Logiciel to Client |

### InteractionFragment

InteractionFragment in package 'Security SeqDiag'

InteractionFragment

Version 1.0 Phase 1.0 Proposed

### MessageEnd

MessageEnd in package 'Security SeqDiag'

MessageEnd

Version 1.0 Phase 1.0 Proposed

### {}

InteractionState in package 'Security SeqDiag'

{}

Version 1.0 Phase 1.0 Proposed

### Logiciel

Sequence in package 'Security SeqDiag'

Logiciel

Version 1.0 Phase 1.0 Proposed

| OUTGOING BEHAVIORAL RELATIONSHIPS |
| --- |
| Sequencefrom Logiciel to Client |
| Sequencefrom Logiciel to Client |

| INCOMING BEHAVIORAL RELATIONSHIPS |
| --- |
| Sequencefrom Client to Logiciel |
| Sequencefrom Client to Logiciel |

### Object B

Sequence in package 'Security SeqDiag'

Object B

Version 1.0 Phase 1.0 Proposed

### Object1

Sequence «entity» in package 'Security SeqDiag'

Object1

Version 1.0 Phase 1.0 Proposed

## Security UCD

Package in package 'Model'

Security UCD

Version 1.0 Phase 1.0 Proposed

### Starter Use Case Model diagram

Use Case diagram in package 'Security UCD'

Starter Use Case Model

Version 1.0



1. Starter Use Case Model

### Boundary

Boundary in package 'Security UCD'

Boundary

Version 1.0 Phase 1.0 Proposed

Extends

### Client

Actor in package 'Actors'

Client

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Modifier le mdp |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Sécuriser l'espace de travail |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Se connecter |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Choisir un mdp fort |

### Actors

Package in package 'Security UCD'

Contains Actors that represent the roles that users play with respect to the system.

Actors

Version 1.0 Phase 1.0 Proposed

#### Client

Actor in package 'Actors'

Client

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Modifier le mdp |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Sécuriser l'espace de travail |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Se connecter |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Choisir un mdp fort |

#### Prestataire du service d'hébergement

Actor in package 'Actors'

Prestataire du service d'hébergement

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Prestataire du service d'hébergement | Target: Public (UseCase) Use Case B |

### 

### Use Cases

Package in package 'Security UCD'

Contains Use Case that represent the value or goal that the Actors wish to achieve.

Use Cases

Version 1.0 Phase 1.0 Proposed

#### Se connecter

UseCase in package 'Use Cases'

Pour se connecter à la plateforme, le client doit évidemment s'authenitifier

Se connecter

Version 1.0 Phase 1.0 Proposed

| SCENARIOS |
| --- |
| Basic Path. Basic Path  1. User Step One  2. System Step One  3. User Step Two  4. System StepTwo |

| CONSTRAINTS |
| --- |
| Invariant. Invariant A  [ Approved, Weight is 0. ] |
| Pre-condition. Pre-condition A  [ Approved, Weight is 1. ] |
| Post-condition. Post-condition A  [ Approved, Weight is 2. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Se connecter |

#### Use Case B

UseCase in package 'Use Cases'

Use Case B

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Prestataire du service d'hébergement | Target: Public (UseCase) Use Case B |

### Administrateur

Actor in package 'Security UCD'

Administrateur

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Administrateur | Target: Public (UseCase) Documenter les risques potentiels |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Administrateur | Target: Public (UseCase) Respecter les normes et les standards lors du dév de la solution |

### Prestataire du service d'hébergement

Actor in package 'Security UCD'

Prestataire du service d'hébergement

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Prestataire du service d'hébergement | Target: Public (UseCase) Faire des test d'intrusion |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Prestataire du service d'hébergement | Target: Public (UseCase) Sécuriser le data center |

### Choisir un mdp fort

UseCase in package 'Security UCD'

le client bien sur doit choisir un mdp avec certaine caractèristiques

pour mieux sécuriser son compte

Choisir un mdp fort

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Choisir un mdp fort |

### Documenter les risques potentiels

UseCase in package 'Security UCD'

Documenter les risques potentiels

Version 1.0 Phase 1.0 Proposed

Essoussy Ilham created on 2020-03-29. Last modified 2020-03-29

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Administrateur | Target: Public (UseCase) Documenter les risques potentiels |

### etre bien alerté

UseCase in package 'Security UCD'

le client doit éviter d'etre une victime d'ingénieurie sociale ou de shouldersniffnig...

etre bien alerté

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Include «include» Source -> Destination  From: Sécuriser l'espace de travail : UseCase, Public  To: etre bien alerté : UseCase, Public |

### Faire des test d'intrusion

UseCase in package 'Security UCD'

Faire des test d'intrusion

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Prestataire du service d'hébergement | Target: Public (UseCase) Faire des test d'intrusion |

### Limiter l'accès

UseCase in package 'Security UCD'

Limiter l'accès

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Include «include» Source -> Destination  From: Sécuriser le data center : UseCase, Public  To: Limiter l'accès : UseCase, Public |

### Modifier le mdp

UseCase in package 'Security UCD'

au cas où la saisi du mot de passe est erronée pour 3 foir, le système envoie automatiquement un message d'alerte au mail ou au téléphone du client portant l'identifiant saisi pour modifier le mdp afin d'éviter toute sorte de piratage de compte.

Modifier le mdp

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Extend «extend» Source -> Destination  From: saisir un mdp erroné : UseCase, Public  To: Modifier le mdp : UseCase, Public |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Modifier le mdp |

### Respecter les normes et les standards lors du dév de la solution

UseCase in package 'Security UCD'

Respecter les normes et les standards lors du dév de la solution

Version 1.0 Phase 1.0 Proposed

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Administrateur | Target: Public (UseCase) Respecter les normes et les standards lors du dév de la solution |

### S'authenitifier

UseCase in package 'Security UCD'

le client doir entrer son identifiant puis son mot de passe

S'authenitifier

Version 1.0 Phase 1.0 Proposed

### saisir un mdp erroné

UseCase in package 'Security UCD'

saisir un mdperroné

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Extend «extend» Source -> Destination  From: saisir un mdp erroné : UseCase, Public  To: Modifier le mdp : UseCase, Public |

### Sécuriser l'espace de travail

UseCase in package 'Security UCD'

le client doit s'assurer de la sécurisation de son espace de travail pour éviter toute sorte de piratage de compte

Sécuriser l'espace de travail

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Include «include» Source -> Destination  From: Sécuriser l'espace de travail : UseCase, Public  To: sécuriser la machine : UseCase, Public |
| Include «include» Source -> Destination  From: Sécuriser l'espace de travail : UseCase, Public  To: etre bien alerté : UseCase, Public |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Client | Target: Public (UseCase) Sécuriser l'espace de travail |

### sécuriser la machine

UseCase in package 'Security UCD'

s'assurer que la machine ne porte aucun malware qui peut révéler les données confidentielles du client , exemple keylogger

sécuriser la machine

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Include «include» Source -> Destination  From: Sécuriser l'espace de travail : UseCase, Public  To: sécuriser la machine : UseCase, Public |

### Sécuriser le data center

UseCase in package 'Security UCD'

Sécuriser le data center

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Include «include» Source -> Destination  From: Sécuriser le data center : UseCase, Public  To: Limiter l'accès : UseCase, Public |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) | |
| Source: Public (Actor) Prestataire du service d'hébergement | Target: Public (UseCase) Sécuriser le data center |

### Use Case2

UseCase in package 'Security UCD'

Use Case2

Version 1.0 Phase 1.0 Proposed

**Security CD**

Package in package 'Model'

Security CD

Version 1.0 Phase 1.0 Proposed

### Basic Class Diagram with Attributes and Operations diagram

Class diagram in package 'Security CD'

Basic Class Diagram with Attributes and Operations

Version 1.0



1. Basic Class Diagram with Attributes and Operations

### Administrateur

Class in package 'Security CD'

Administrateur

Version 1.0 Phase 1.0 Proposed

| INCOMING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization fromLogiciel to Administrateur  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| id : int Private  [ Is static True. Containmentis Not Specified. ] |

### Class A

Class in package 'Security CD'

Class A

Version 1.0 Phase 1.0 Proposed

| ELEMENTS OWNED BY Class A |
| --- |
| DataType1 : DataType |

| ATTRIBUTES |
| --- |
| Attribute A : int Private  [ Is static True. Containmentis Not Specified. ] |
| Attribute B : int Private  [ Is static True. Containmentis Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) Association B | |
| Source: Public role a (Class) Class A  Cardinality:[0..1] | Target: Public role c (Class) Class C  Cardinality:[0..\*] |
| Association (direction:Unspecified) Association A | |
| Source: Public role a (Class) Class A  Cardinality:[0..\*] | Target: Public role b (Class) Class B  Cardinality:[0..\*] |

| OPERATIONS |
| --- |
| Operation A (Parameter A : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Operation B (Parameter : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

#### DataType1

DataType owned by 'Class A', in package 'Security CD'

DataType1

Version 1.0 Phase 1.0 Proposed

### Class B

Class in package 'Security CD'

Class B

Version 1.0 Phase 1.0 Proposed

| ATTRIBUTES |
| --- |
| Attribute A : int Private  [ Is static True. Containmentis Not Specified. ] |
| Attribute B : int Private  [ Is static True. Containmentis Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) Association A | |
| Source: Public role a (Class) Class A  Cardinality:[0..\*] | Target: Public role b (Class) Class B  Cardinality:[0..\*] |

| OPERATIONS |
| --- |
| Operation A (Parameter A : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Operation B (Parameter : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### Class C

Class in package 'Security CD'

Class C

Version 1.0 Phase 1.0 Proposed

| ATTRIBUTES |
| --- |
| Attribute A : int Private  [ Is static True. Containmentis Not Specified. ] |
| Attribute B : int Private  [ Is static True. Containmentis Not Specified. ] |

| ASSOCIATIONS | |
| --- | --- |
| Association (direction:Unspecified) Association B | |
| Source: Public role a (Class) Class A  Cardinality:[0..1] | Target: Public role c (Class) Class C  Cardinality:[0..\*] |

| OPERATIONS |
| --- |
| Operation A (Parameter A : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| Operation B (Parameter : int ) : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### Class1

Class in package 'Security CD'

Class1

Version 1.0 Phase 1.0 Proposed

### Class2

Class in package 'Security CD'

Class2

Version 1.0 Phase 1.0 Proposed

### Class3

Class in package 'Security CD'

Class3

Version 1.0 Phase 1.0 Proposed

### Class4

Class in package 'Security CD'

Class4

Version 1.0 Phase 1.0 Proposed

| CONNECTORS |
| --- |
| Trace «trace» Source -> Destination  From: Class4 : Class, Public  To: Class4 : Class, Public |
| Trace «trace» Source -> Destination  From: Class4 : Class, Public  To: Class4 : Class, Public |

### Class5

Class in package 'Security CD'

Class5

Version 1.0 Phase 1.0 Proposed

### Class6

Class in package 'Security CD'

Class6

Version 1.0 Phase 1.0 Proposed

| ATTRIBUTES |
| --- |
| d : int Private  [ Is static True. Containmentis Not Specified. ] |

| OPERATIONS |
| --- |
| d () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### Client

Class in package 'Security CD'

Client

Version 1.0 Phase 1.0 Proposed

| INCOMING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization fromLogiciel to Client  [ Direction is 'Source -> Destination'. ] |

| ATTRIBUTES |
| --- |
| Identifiant : char Protected  [ Is static True. Containmentis Not Specified. ] |
| MotDePasse : int Private  [ Is static True. Containmentis Not Specified. ] |

| OPERATIONS |
| --- |
| ModifierMdp(MotDePasse) () : char Private  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |
| SeConnecter() () : void Public  [ Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False. ] |

### Logiciel

Class in package 'Security CD'

Logiciel

Version 1.0 Phase 1.0 Proposed

| OUTGOING STRUCTURAL RELATIONSHIPS |
| --- |
| Generalization from Logiciel to Client  [ Direction is 'Source -> Destination'. ] |
| Generalization from Logiciel to Administrateur  [ Direction is 'Source -> Destination'. ] |

### Interface1

Interface in package 'Security CD'

Interface1

Version 1.0 Phase 1.0 Proposed

### PrimitiveType1

PrimitiveType in package 'Security CD'

PrimitiveType1

Version 1.0 Phase 1.0 Proposed