

DiagrammeDeClasses_Observateur

Package in package 'Model'

DiagrammeDeClasses_Observateur

Version Phase 1.0 Proposed

bodiaa created on 2019-06-18. Last modified 2019-06-18

DiagrammeDeClasses_Observateur diagram

Class diagram in package 'DiagrammeDeClasses_Observateur'

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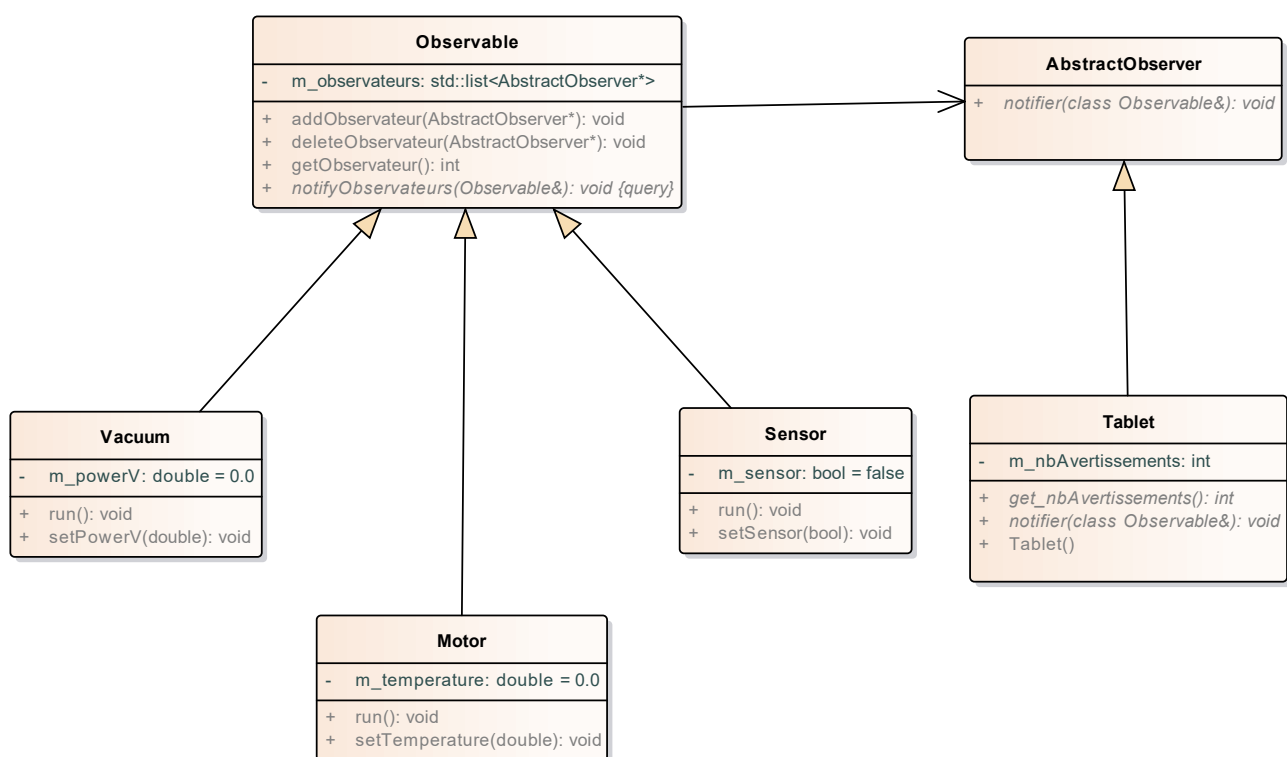


Figure 1: DiagrammeDeClasses_Observateur

AbstractObserver

Class in package 'Class Model'

AbstractObserver

Version 1.0 Phase 1.0 Proposed

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INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Tablet to AbstractObserver

[Direction is 'Source -> Destination'.]

ASSOCIATIONS


ASSOCIATIONS

 Association (direction: Source -> Destination)

Source: Public (Class) Observable

Target: Public (Class) AbstractObserver

OPERATIONS

 notifier (obs : class Observable&) : void Public

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

Motor


Class in package 'Class Model'

Motor

Version 1.0 Phase 1.0 Proposed


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OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Motor to Observable


[Direction is 'Source -> Destination'.]

ATTRIBUTES


 m_temperature : double Private = 0.0

[Is static False. Containment is Not Specified.]

OPERATIONS

 run () : void Public

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

 setTemperature (temperature : double) : void Public

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

Observable

Class in package 'Class Model'

Observable

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INCOMING STRUCTURAL RELATIONSHIPS

 Generalization from Motor to Observable

[Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS

⇒ Generalization from Vacuum to Observable

[Direction is 'Source -> Destination'.]

⇒ Generalization from Sensor to Observable

[Direction is 'Source -> Destination'.]

ATTRIBUTES

◆ m_observateurs : std::list<AbstractObserver*> Private

[Is static False. Containment is Not Specified.]

ASSOCIATIONS

◆ . Association (direction: Source -> Destination)

Source: Public (Class) Observable

Target: Public (Class) AbstractObserver

OPERATIONS

◆ addObserver (observateur : AbstractObserver*) : void Public

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

◆ deleteObservateur (observateur : AbstractObserver*) : void Public

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

◆ getObservateur () : int Public

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

◆ notifyObservateurs (obs : Observable&) : void Public

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

Sensor

Class in package 'Class Model'

Sensor

Version 1.0 Phase 1.0 Proposed

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OUTGOING STRUCTURAL RELATIONSHIPS


⇐ Generalization from Sensor to Observable

[Direction is 'Source -> Destination'.]


ATTRIBUTES

ATTRIBUTES
 `m_sensor : bool Private = false`

[Is static False. Containment is Not Specified.]

OPERATIONS
 `run () : void Public`

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

 `setSensor (sensor : bool) : void Public`

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


Tablet

Class in package 'Class Model'


Tablet
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OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from Tablet to AbstractObserver

[Direction is 'Source -> Destination'.]

ATTRIBUTES
 `m_nbAvertissements : int Private`


[Is static False. Containment is Not Specified.]

OPERATIONS
 `get_nbAvertissements () : int Public`


Properties:

`bodyLocation = classDec`

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

 `notifier (obs : class Observable&) : void Public`

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

 `Tablet () : Public`

Properties:

`initializer = m_nbAvertissements(0)``bodyLocation = classDec`


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

Vacuum

Class in package 'Class Model'


Vacuum
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OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Vacuum to Observable


[Direction is 'Source -> Destination'.]

ATTRIBUTES


 m_powerV : double Private = 0.0

[Is static False. Containment is Not Specified.]

OPERATIONS

 run () : void Public

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

 setPowerV (powerV : double) : void Public

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