

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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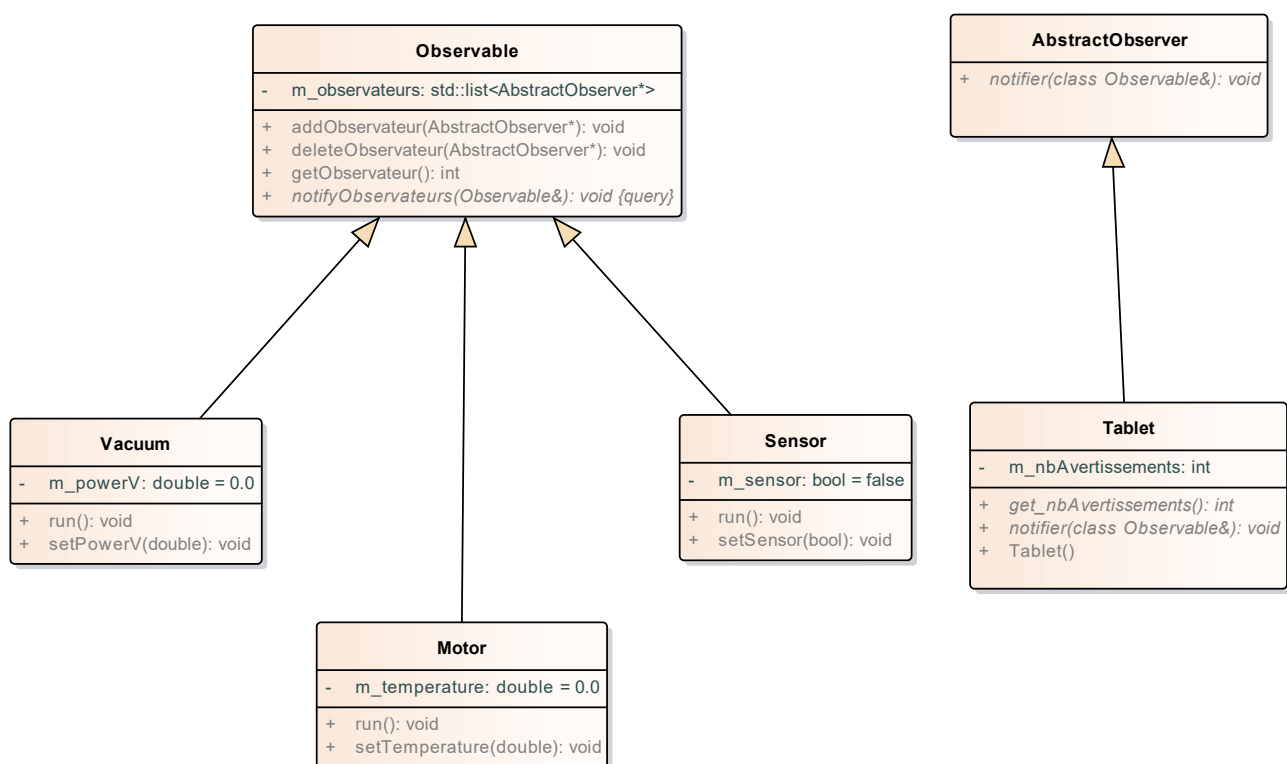


Figure 1: DiagrammeDeClasses_Observateur

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'.]

OPERATIONS

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

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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'.]


⇒ Generalization from Vacuum to Observable
 [Direction is 'Source -> Destination'.]

INCOMING STRUCTURAL RELATIONSHIPS
 Generalization from Sensor to Observable


[Direction is 'Source -> Destination'.]

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


[Is static False. Containment is Not Specified.]

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

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OUTGOING STRUCTURAL RELATIONSHIPS
 Generalization from Sensor to Observable

[Direction is 'Source -> Destination'.]

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.]

OPERATIONS

◆ 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

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.]