Model Report

Class

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Class diagram

Class diagram in package 'Class'

Class
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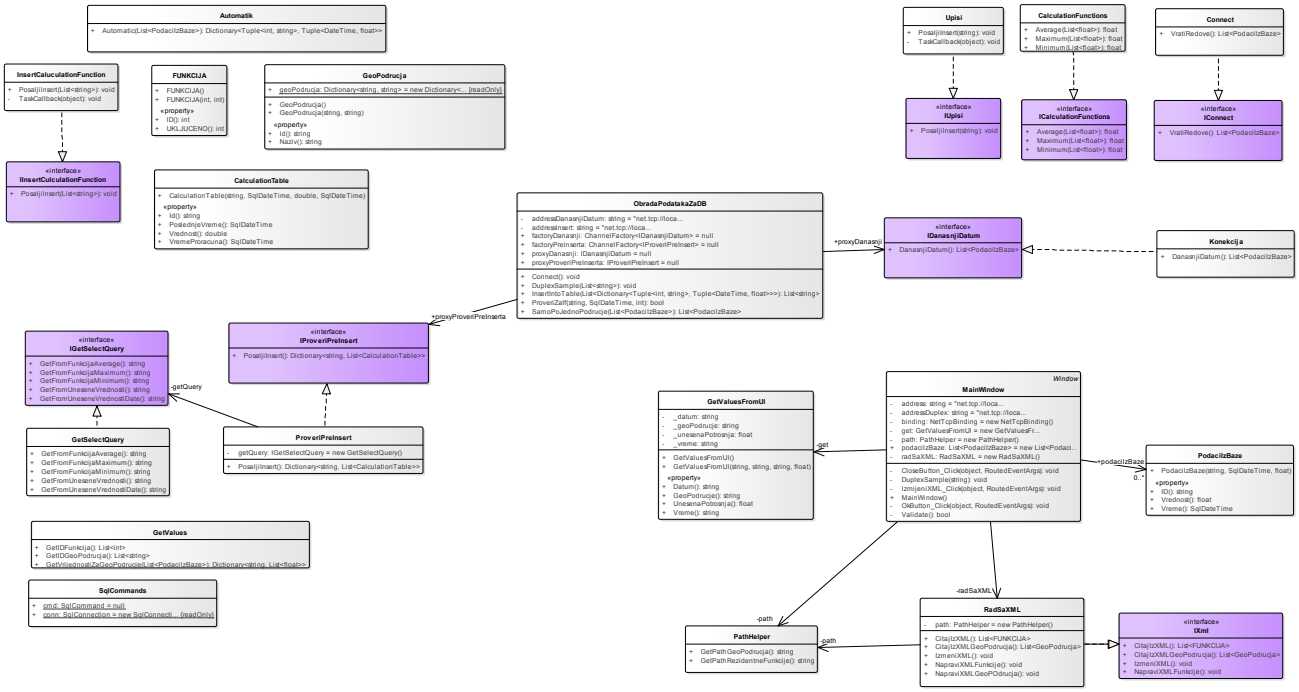

Figure 1: Class

Automatik

Class in package 'Class'

Automatik

OPERATIONS
Automatic (podaci : List<PodaciIzBaze>) : Dictionary<Tuple<int, string>, Tuple<DateTime, float>> Public

CalculationFunctions

Class in package 'Class'

CalculationFunctions

OUTGOING STRUCTURAL RELATIONSHIPS
Realization from CalculationFunctions to ICalculationFunctions [Direction is 'Source -> Destination'.]

OPERATIONS
Average (listaPotrosnji : List<float>) : float Public
Maximum (listaPotrosnji : List<float>) : float Public
Minimum (listaPotrosnji : List<float>) : float Public

CalculationTable

Class in package 'Class'

CalculationTable

OPERATIONS
CalculationTable (id : string , vremeProracuna : SqlDateTime , vrednost : double , poslednjeVreme : SqlDateTime) : Public
Id () : string Public Properties: Attribute = [DataMember]
PoslednjeVreme () : SqlDateTime Public Properties: Attribute = [DataMember]
Vrednost () : double Public Properties: Attribute = [DataMember] [Stereotype is «property».]

VremeProracuna () : SqlDateTime Public

Properties:
Attribute = [DataMember]

[Stereotype is «property]

Connect

Class in package 'Class'

Connect

OUTGOING STRUCTURAL RELATIONSHIPS

Realization from Connect to IConnect

[Direction is 'Source -> Destination'.]

OPERATIONS
VratiRedove () : List<PodaciIzBaze> Public

FUNKCIJA

Class in package 'Class'

FUNKCIJA

OPERATIONS
FUNKCIJA () : Public
FUNKCIJA (i : int , u : int) : Public
ID () : int Public Properties: Attribute = [DataMember] [Stereotype is «property».]
UKLJUCENO () : int Public Properties: Attribute = [DataMember] [Stereotype is «property».]

GeoPodrucja

Class in package 'Class'

GeoPodrucja

ATTRIBUTES

geoPodrucja : Dictionary<string, string> Public Const = new Dictionary<string, string>()

```
{
    { "BL", "Banjaluka"},
    { "BN", "Bijeljina"},
    { "DO", "Doboj"},
    { "PR", "Prnjavor"},
    { "SA", "Sarajevo"},
    { "TR", "Trebinje"},
    { "ZV", "Zvornik"},
    { "GR", "Gradiska"},
    { "BI", "Bihac"},
    { "MO", "Mostar" }
}
```

[Is static True. Containment is Not Specified.]

OPERATIONS

GeoPodrucja () : Public

GeoPodrucja (id : string , naziv : string) : Public

Id () : string Public

Properties:
Attribute = [DataMember]

[Stereotype is «property».]

Naziv () : string Public

Properties:
Attribute = [DataMember]

[Stereotype is «property]

GetSelectQuery

Class in package 'Class'

GetSelectQuery

OUTGOING STRUCTURAL RELATIONSHIPS
Realization from GetSelectQuery to IGetSelectQuery [Direction is 'Source -> Destination'.]

OPERATIONS
GetFromFunkcijaAverage () : string Public
GetFromFunkcijaMaximum () : string Public
GetFromFunkcijaMinimum () : string Public
GetFromUneseneVrednosti () : string Public

GetFromUneseneVrednostiDate () : string Public

GetValues

Class in package 'Class'

GetValues

OPERATIONS
GetIDFunkcija () : List<int> Public
GetIDGeoPodrucja () : List<string> Public
GetVrijednostiZaGeoPodrucje (podaci : List<PodaciIzBaze>) : Dictionary<string, List<float>> Public

GetValuesFromUI

Class in package 'Class'

GetValuesFromUI

ATTRIBUTES
_datum : string Private [Is static False. Containment is Not Specified.]
_geoPodrucje : string Private [Is static False. Containment is Not Specified.]
_unesenaPotrosnja : float Private [Is static False. Containment is Not Specified.]
_vreme : string Private [Is static False. Containment is Not Specified.]

ASSOCIATIONS
Association (direction: Source -> Destination) Source: Public (Class) MainWindow Target: Private get (Class) GetValuesFromUI

OPERATIONS
Datum () : string Public [Stereotype is «property]
GeoPodrucje () : string Public [Stereotype is «property». .]
GetValuesFromUI () : Public .]
GetValuesFromUI (d : string , v : string , g : string , u : float) : Public

UnesenaPotrosnja () : float Public

[Stereotype is «property».]

Vreme () : string Public

[Stereotype is «property».]

InsertCaluculationFunction

Class in package 'Class'

InsertCaluculationFunction

OUTGOING STRUCTURAL RELATIONSHIPS
Realization from InsertCaluculationFunction to IInsertCulculationFunction [Direction is 'Source -> Destination'.]

OPERATIONS
PosaljiInsert (insertInto : List<string>) : void Public
TaskCallback (callback : object) : void Private Properties: async = true

Konekcija

Class in package 'Class'

Konekcija

OUTGOING STRUCTURAL RELATIONSHIPS
Realization from Konekcija to IDanasnjiDatum [Direction is 'Source -> Destination'.]

OPERATIONS
DanasnjiDatum () : List<PodaciIzBaze> Public

MainWindow

Class in package 'Class'

MainWindow

Extends Window

ATTRIBUTES
address : string Private = "net.tcp://localhost:10100/IConnect"
addressDuplex : string Private = "net.tcp://localhost:10102/IUpisi"
binding : NetTcpBinding Private = new NetTcpBinding()
get : GetValuesFromUI Private = new GetValuesFromUI()

path : PathHelper Private = new PathHelper()

private string _datum; private string _vreme; private string get.GeoPodrucja; private float get.UnesenaPotrosnja;

podaciIzBaze : List<PodaciIzBaze> Public = new List<PodaciIzBaze>()

radSaXML : RadSaXML Private = new RadSaXML()

ASSOCIATIONS
Association (direction: Source -> Destination) Source: Public (Class) MainWindow Target: Private path (Class) PathHelper
Association (direction: Source -> Destination)

Source: Public (Class) MainWindow

Target: Public podaciIzBaze (Class) PodaciIzBaze
Cardinality: [0..*]

Association (direction: Source -> Destination)

Source: Public (Class) MainWindow

Target: Private get (Class) GetValuesFromUI

Association (direction: Source -> Destination)

Source: Public (Class) MainWindow

Target: Private radSaXML (Class) RadSaXML

OPERATIONS

CloseButton_Click (sender : object , e : RoutedEventArgs) : void Private

DuplexSample (s : string) : void Private

IzmijeniXML_Click (sender : object , e : RoutedEventArgs) : void Private

MainWindow () : Public

public string Datum { get => _datum; set => _datum = value; } public string Vreme { get => _vreme; set => _vreme = value; } public string GeoPodrucje { get => get.GeoPodrucja; set => get.GeoPodrucja = value; } public float UnesenaPotrosnja { get => get.UnesenaPotrosnja; set => get.UnesenaPotrosnja = value; }

OkButton_Click (sender : object , e : RoutedEventArgs) : void Private

Validate () : bool Private

ObradaPodatakaZaDB

Class in package 'Class'

ObradaPodatakaZaDB

ATTRIBUTES

addressDanasnjiDatum : string Private = "net.tcp://localhost:10103/IDanasnjiDatum"
[Is static False. Containment is Not Specified.]

addressInsert : string Private = "net.tcp://localhost:10105/IProveriPreInsert"
[Is static False. Containment is Not Specified.]

factoryDanasnji : ChannelFactory<IDanasnjiDatum> Public = null
[Is static False. Containment is Not Specified.]

factoryPreInserta : ChannelFactory<IProveriPreInsert> Public = null
[Is static False. Containment is Not Specified.]

proxyDanasnji : IDanasnjiDatum Public = null

proxyProveriPreInserta : IProveriPreInsert Public = null

ASSOCIATIONS

Association (direction: Source -> Destination)

Source: Public (Class) ObradaPodatakaZaDB

Target: Public proxyProveriPreInserta (Interface) IProveriPreInsert

Association (direction: Source -> Destination)

Source: Public (Class) ObradaPodatakaZaDB

Target: Public proxyDanasnji (Interface) IDanasnjiDatum

OPERATIONS

Connect () : void Public

DuplexSample (lista : List<string>) : void Public

InsertIntoTable (listaUbacenihVrednostiWhile : List<Dictionary<Tuple<int, string>, Tuple<DateTime, float>>>) : List<string> Public

ProveriZaIf (id : string , vreme : SqlDateTime , i : int) : bool Public

SamoPoJednoPodrucje (listaDatuma : List<PodaciIzBaze>) : List<PodaciIzBaze> Public

PathHelper

Class in package 'Class'

PathHelper

ASSOCIATIONS	
Association (direction: Source -> Destination)	
Source: Public (Class) MainWindow	Target: Private path (Class) PathHelper
Association (direction: Source -> Destination)	
Source: Public (Class) RadSaXML	Target: Private path (Class) PathHelper

OPERATIONS

GetPathGeoPodrucja () : string Public

GetPathRezidentneFunkcije () : string Public

PodaciIzBaze

Class in package 'Class'

PodaciIzBaze

ASSOCIATIONS

Association (direction: Source -> Destination)

Source: Public (Class) MainWindow

Target: Public podaciIzBaze (Class) PodaciIzBaze
Cardinality: [0..*]

OPERATIONS

ID () : string Public

Properties:
Attribute = [DataMember]

[Stereotype is «property».]

PodaciIzBaze (iD : string , vreme : SqlDateTime , vrednost : float) : Public

Vrednost () : float Public

Properties:
Attribute = [DataMember]

[Stereotype is «property».]

Vreme () : SqlDateTime Public

Properties:
Attribute = [DataMember]

[Stereotype is «property».]

ProveriPreInsert

Class in package 'Class'

ProveriPreInsert

OUTGOING STRUCTURAL RELATIONSHIPS

Realization from ProveriPreInsert to IProveriPreInsert

[Direction is 'Source -> Destination'.]

ATTRIBUTES

getQuery : IGetSelectQuery Private = new GetSelectQuery()

ASSOCIATIONS

Association (direction: Source -> Destination)

Source: Public (Class) ProveriPreInsert

Target: Private getQuery (Interface) IGetSelectQuery

OPERATIONS

PosaljiInsert () : Dictionary<string, List<CalculationTable>> Public

RadSaXML

Class in package 'Class'

RadSaXML

Extends IXml

OUTGOING STRUCTURAL RELATIONSHIPS

Generalization from RadSaXML to IXml

[Direction is 'Source -> Destination'.]

Realization from RadSaXML to IXml

[Direction is 'Source -> Destination'.]

ATTRIBUTES

path : PathHelper Private = new PathHelper()

ASSOCIATIONS	
Association (direction: Source -> Destination)	
Source: Public (Class) RadSaXML	Target: Private path (Class) PathHelper
Association (direction: Source -> Destination)	
Source: Public (Class) MainWindow	Target: Private radSaXML (Class) RadSaXML

OPERATIONS
CitajIzXML () : List<FUNKCIJA> Public
CitajIzXMLGeoPodrucja () : List<GeoPodrucja> Public
IzmeniXML () : void Public
NapraviXMLFunkcije () : void Public

NapraviXMLGeoPOdrucja () : void Public

SqlCommands

Class in package 'Class'

SqlCommands

ATTRIBUTES
cmd : SqlCommand Public = null [Is static True.]
conn : SqlConnection Public Const = new SqlConnection(@"Server=DESKTOP-JJ3CM3A;

Database=ResidentExecutor_DB; Integrated Security=True")

[Is static True.]

Upisi

Class in package 'Class'

Upisi

OUTGOING STRUCTURAL RELATIONSHIPS

Realization from Upisi to IUpisi

[Direction is 'Source -> Destination'.]

OPERATIONS

PosaljiInsert (insertInto : string) : void Public

TaskCallback (callback : object) : void Private

Properties:
async = true

UpisiCallback2

Class in package 'Class'

UpisiCallback2

OUTGOING STRUCTURAL RELATIONSHIPS

Realization from UpisiCallback2 to IUpisiCallback2

[Direction is 'Source -> Destination'.]

OPERATIONS
OnCallback (message : string) : void Public

ICalculationFunctions

Interface in package 'Class'

ICalculationFunctions

INCOMING STRUCTURAL RELATIONSHIPS
Realization from CalculationFunctions to ICalculationFunctions [Direction is 'Source -> Destination'.]

OPERATIONS
Average (listaPotrosnji : List<float>) : float Public
Maximum (listaPotrosnji : List<float>) : float Public
Minimum (listaPotrosnji : List<float>) : float Public

IConnect

Interface in package 'Class'

IConnect

INCOMING STRUCTURAL RELATIONSHIPS
Realization from Connect to IConnect

[Direction is 'Source -> Destination'.]

OPERATIONS

VratiRedove () : List<PodaciIzBaze> Public

Properties:
Attribute = [OperationContract]

IDanasnjiDatum

Interface in package 'Class'

IDanasnjiDatum

INCOMING STRUCTURAL RELATIONSHIPS

Realization from Konekcija to IDanasnjiDatum

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

Association (direction: Source -> Destination)

Source: Public (Class) ObradaPodatakaZaDB

Target: Public proxyDanasnji (Interface) IDanasnjiDatum

OPERATIONS

DanasnjiDatum () : List<PodaciIzBaze> Public

Properties:
Attribute = [OperationContract]

IGetSelectQuery

Interface in package 'Class'

INCOMING STRUCTURAL RELATIONSHIPS

Realization from GetSelectQuery to IGetSelectQuery

[Direction is 'Source -> Destination'.]

ASSOCIATIONS

Association (direction: Source -> Destination)

Source: Public (Class) ProveriPreInsert

Target: Private getQuery (Interface) IGetSelectQuery

OPERATIONS

- GetFromFunkcijaAverage () : string Public
- GetFromFunkcijaMaximum () : string Public
- GetFromFunkcijaMinimum () : string Public
- GetFromUneseneVrednosti () : string Public
- GetFromUneseneVrednostiDate () : string Public

IInsertCulculationFunction

Interface in package 'Class'

INCOMING STRUCTURAL RELATIONSHIPS

Realization from InsertCaluculationFunction to IInsertCulculationFunction
[Direction is 'Source -> Destination'.]

OPERATIONS

PosaljiInsert (insertInto : List<string>) : void Public

Properties:
Attribute = [OperationContract]

IProveriPreInsert

Interface in package 'Class'

IProveriPreInsert

INCOMING STRUCTURAL RELATIONSHIPS

Realization from ProveriPreInsert to IProveriPreInsert
[Direction is 'Source -> Destination'.]

ASSOCIATIONS

Association (direction: Source -> Destination)

Source: Public (Class) ObradaPodatakaZaDB

Target: Public proxyProveriPreInserta (Interface) IProveriPreInsert

OPERATIONS

PosaljiInsert () : Dictionary<string, List<CalculationTable>> Public

Properties:
Attribute = [OperationContract]

IUpisi

Interface in package 'Class'

IUpisi

INCOMING STRUCTURAL RELATIONSHIPS
Realization from Upisi to IUpisi [Direction is 'Source -> Destination'.]

OPERATIONS
PosaljiInsert (insertInto : string) : void Public Properties: Attribute = [OperationContract]

IUpisiCallback

Interface in package 'Class'

IUpisiCallback

OPERATIONS
OnCallback (message : string) : void Public Properties: Attribute = [OperationContract(IsOneWay = true)]

IUpisiCallback2

Interface in package 'Class'

INCOMING STRUCTURAL RELATIONSHIPS
Realization from UpisiCallback2 to IUpisiCallback2 [Direction is 'Source -> Destination'.]

OPERATIONS
OnCallback (message : string) : void Public Properties: Attribute = [OperationContract(IsOneWay = true)]

IXml

Interface in package 'Class'

INCOMING STRUCTURAL RELATIONSHIPS
Generalization from RadSaXML to IXml [Direction is 'Source -> Destination'.]
Realization from RadSaXML to IXml [Direction is 'Source -> Destination'.]

OPERATIONS
CitajIzXML () : List<FUNKCIJA> Public
CitajIzXMLGeoPodrucja () : List<GeoPodrucja> Public
IzmeniXML () : void Public

NapraviXMLFunkcije () : void Public