

Table of Contents

1 Domain Objects..... 2

1.1 Domain Objects diagram 2

1.2 Cjison..... 2

1.3 Class1..... 3

1.4 Class2..... 4

1.5 Class3..... 4

1.6 CmyClient..... 4

1.7 Server..... 6

1 Domain Objects

Package in package 'Domain Model'

Domain Objects

Version 1.0 Phase 1.0 Proposed

Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

1.1 Domain Objects diagram

Class diagram in package 'Domain Objects'

Domain Objects

Version 1.0

Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

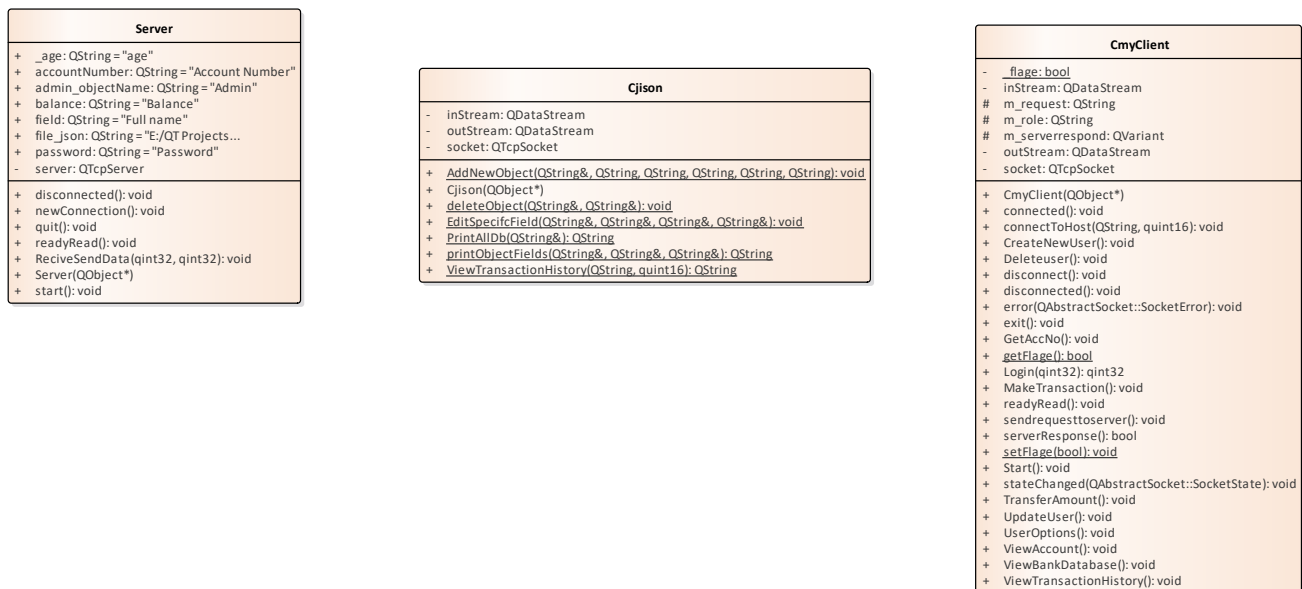


Figure 1: Domain Objects

1.2 Cjison



Class in package 'Domain Objects'

Cjison

Version 1.0 Phase 1.0 Proposed

Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

Extends QObject



ATTRIBUTES	
 inStream : QDataStream Private	[Is static False. Containment is Not Specified.]
 outStream : QDataStream Private	[Is static False. Containment is Not Specified.]

ATTRIBUTES	
 socket : QTcpSocket Private	[Is static False. Containment is Not Specified.]
OPERATIONS	
 AddNewObject (fileName : QString& , account_no : QString , balance : QString , full_name : QString , password : QString , age : QString) : void Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Cjison (parent : QObject*) : Public Properties: explicit = true initializer = QObject{parent}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 deleteObject (filePath : QString& , objectKey : QString&) : void Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 EditSpecifcField (fileName : QString& , ObjectKey : QString& , FieldToChange : QString& , NewValue : QString&) : void Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 PrintAllDb (fileName : QString&) : QString Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 printObjectFields (fileName : QString& , objectName : QString& , field : QString&) : QString Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 ViewTransactionHistory (accountnumber : QString , count : quint16) : QString Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.3 Class1

Class in package 'Domain Objects'

Class1
 Version 1.0 Phase 1.0 Proposed
 Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

INCOMING STRUCTURAL RELATIONSHIPS	
 Generalization from Class3 to Class1	[Direction is 'Source -> Destination'.]
ASSOCIATIONS	
 Association (direction: Source -> Destination) Source: Public (Class) Class1	Target: Public (Class) Class2

1.4 Class2

Class in package 'Domain Objects'

Class2

Version 1.0 Phase 1.0 Proposed

Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

ASSOCIATIONS

 Association (direction: Source -> Destination)

Source: Public (Class) Class1

Target: Public (Class) Class2

1.5 Class3

Class in package 'Domain Objects'


Class3

Version 1.0 Phase 1.0 Proposed

Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

Extends Class1

OUTGOING STRUCTURAL RELATIONSHIPS

 Generalization from Class3 to Class1

[Direction is 'Source -> Destination'.]

1.6 CmyClient

Class in package 'Domain Objects'


CmyClient

Version 1.0 Phase 1.0 Proposed

Ahmed shawky created on 1/7/2024. Last modified 1/7/2024

Extends QObject


ATTRIBUTES

 _flage : bool Private


[Is static True. Containment is Not Specified.]

 inStream : QDataStream Private


[Is static False. Containment is Not Specified.]

 m_request : QString Protected













[Is static False. Containment is Not Specified.]

 m_role : QString Protected

[Is static False. Containment is Not Specified.]

 m_serverrespond : QVariant Protected

ATTRIBUTES	
	[Is static False. Containment is Not Specified.]
 outStream : QDataStream Private	[Is static False. Containment is Not Specified.]
 socket : QTcpSocket Private	[Is static False. Containment is Not Specified.]

OPERATIONS	
 CmyClient (parent : QObject*) : Public Properties: explicit = true initializer = QObject{parent}	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 connected () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 connectToHost (host : QString , port : quint16) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 CreateNewUser () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Deleteuser () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 disconnect () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 disconnected () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 error (socketerror : QAbstractSocket::SocketError) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 exit () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 GetAccNo () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 getFlage () : bool Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 Login (choice : qint32) : qint32 Public }	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

OPERATIONS	
◆ MakeTransaction () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ readyRead () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ sendrequesttoserver () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ serverResponse () : bool Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ setFlage (newFlage : bool) : void Public	[Is static True. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ Start () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ stateChanged (socketstate : QAbstractSocket::SocketState) : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ TransferAmount () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ UpdateUser () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ UserOptions () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ViewAccount () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ViewBankDatabase () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
◆ ViewTransactionHistory () : void Public	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

1.7 Server

Class in package 'Domain Objects'

Server
Version 1.0 Phase 1.0 Proposed
Ahmed shawky created on 1/7/2024. Last modified 1/7/2024
Extends QObject

ATTRIBUTES

ATTRIBUTES	
 <code>_age : QString Public = "age"</code>	[Is static False. Containment is Not Specified.]
 <code>accountNumber : QString Public = "Account Number"</code>	[Is static False. Containment is Not Specified.]
 <code>admin_objectName : QString Public = "Admin"</code>	[Is static False. Containment is Not Specified.]
 <code>balance : QString Public = "Balance"</code>	[Is static False. Containment is Not Specified.]
 <code>field : QString Public = "Full name"</code>	[Is static False. Containment is Not Specified.]
 <code>file_json : QString Public = "E:/QT Projects/newServer/file.json"</code>	[Is static False. Containment is Not Specified.]
 <code>password : QString Public = "Password"</code>	[Is static False. Containment is Not Specified.]
 <code>server : QTcpServer Private</code>	[Is static False. Containment is Not Specified.]

OPERATIONS	
 <code>disconnected () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>newConnection () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>quit () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>readyRead () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>RecvSendData (request : qint32 , login : qint32) : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>Server (parent : QObject*) : Public</code> Properties: <code>explicit = true</code> <code>initializer = QObject{parent}</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]
 <code>start () : void Public</code>	[Is static False. Is abstract False. Is return array False. Is query False. Is synchronized False.]

