<<Interface>>
IUserRepository
+findById(clientId : Long)
+findByEmail(clientEmail : string)
+save(client : Client)
+delete(client : Client)
+operation()

<<Interface>>
IDetailedOrderRepository
+findById()
+findByCateringCompanyId()
+findByOrderId()
+operation()

<<Interface>>
IOrderRepository
+findById()
+findByDateOfPurhcase()
+findByClientId()
+operation()
+save(order : Order)
+delete(order : Order)
+operation2()

<<enumeration>>
OrderState
PURCHASED
SHIPPED
FINISHED

Client
-id : long
-city : string
-email : string
-piggyBankMoney : int
+getId()
+setId(id) : void
+getCity()
+setCity(city) : void
+getEmail()
+setEmail(email) : void
+getOrders()
+setOrders(orders) : void
+getItemsInBucket()
+setItemsInBucket(itemsInBucket) : void
+getAttribute()
+setAttribute(attribute) : void

Order
-id : long
-dateOfPurchase : date
-state : string
-address : string
+getId()
+setId(id) : void
+getCateringEntity()
+setCateringEntity(cateringEntity) : void
+getAttribute()
+setAttribute(attribute) : void
+getState()
+setState(state) : void
+getCateringFoodEntity()
+setCateringFoodEntity(cateringFoodEntity) : void
+getAdress()
+setAdress(adress) : void
+getAttribute2()
+setAttribute2(attribute2) : void

CateringFoodEntity
-price : string
-cateringEntity
-typeOfFood : string
+getPrice()
+setPrice(price) : void
+getCateringEntity()
+setCateringEntity(cateringEntity) : void
+getTypeOfFood()
+setTypeOfFood(typeOfFood) : void

RemoveFromBucketRequest
-foodEntityId : int
+getId()
+setId(id) : void
+getAttribute()
+setAttribute(attribute) : void

CateringCompanyEntity
-id : long
-city : string
+getId()
+setId(id) : void
+getCity()
+setCity(city) : void
+getAttribute()
+setAttribute(attribute) : void

<<Interface>>
IBucketRepository
+findByClientId(clientId : Long)

1
1..*
1
0..*
1
1..*
1
1
0..*
0..1

<<Interface>>
IAddFood

+addNewFood(cateringFood : CateringFoodEntity)
+operation()

<<Interface>>
IEditFood

+editFood(e : EditFoodDTO)

<<Interface>>
IShowCateringOffer

+showCateringOffer(c : CateringOfferRequest) : CateringOfferDTO

CateringFoodEntity

-price : string
-cateringEntity
-typeOfFood : string

+getPrice()
+setPrice(price) : void
+getCateringEntity()
+setCateringEntity(cateringEntity) : void
+getTypeOfFood()
+setTypeOfFood(typeOfFood) : void

CateringFoodEntity

-price : string
-cateringEntity
-typeOfFood : string

+getPrice()
+setf   Class3   id
+get
+set   cateringEntity) : void
+getTypeOfFood()
+setTypeOfFood(typeOfFood) : void

CatteringOfferRequest

-cateringCompanyId : Long

+getCateringCompanyId() : Long
+setCateringCompanyId(cateringCompanyId : Long) : void
+getAttribute()
+setAttribute(attribute) : void

CateringOfferDTO

-price : long
-typeOfFood : string

+getPrice()
+setPrice(price) : void
+getTypeOfFood()
+setTypeOfFood(typeOfFood) : void
+getAttribute()
+setAttribute(attribute) : void

<<Interface>>
IDeleteFood

+deleteFood(d : DeleteFoodRequest)

DeleteFoodRequest

-foodId : long

+getFoodId()
+setFoodId(foodId) : void
+getAttribute2()
+setAttribute2(attribute2) : void

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IEditProfile

<<Interface>>
IEditProfile

+editProfile(d : EditProfileDTO)

EditProfileDTO

EditProfileDTO

-name : string
-address : string

+getName()
+setName(name) : void
+getAddress()
+setAddress(address) : void
+getAttribute()
+setAttribute(attribute) : void

IShowConfiguration

IShowConfiguration

+showConfiguration() : ConfigurationDTO

ConfigurationDTO

ConfigurationDTO

-name : string
-address : string
-isAdvertBought : boolean
-deliveryMethod : string

+getName()
+setName(name) : void
+getAddress()
+setAddress(address) : void
+getIsAdvertBought()
+setIsAdvertBought(isAdvertBought) : void
+getDeliveryMethod() : string
+setDeliveryMethod(deliveryMethod : string) : void

IChangeDeliveryMethod

<<Interface>>
IChangeDeliveryMethod

+changeDeliveryMethod(m : DeliveryMethod)

DeliveryMethod

<<enumeration>>
DeliveryMethod

INPOST
PLANE
TRAIN
DHL

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```
                    <<Interface>>
                    IShowStatistics
+showStatistics(companyStatisticsDTO : CompanyStatisticsRequestDTO) : CompanyStatistics
```

```
        CompanyStatisticsRequstDTO
-cateringCompanyId : Long
+getCateringCompanyId() : Long
+setCateringCompanyId(cateringCompanyId : Long) : void
+getAttribute()
+setAttribute(attribute) : void
```

```
               CompanyStatistics
-numberOfOrdersOverall : long
-numberOfCurrentOrders : long
+getNumberOfOrders()
+setNumberOfOrders(numberOfOrders) : void
+getNumberOfCurrentOrders()
+setNumberOfCurrentOrders(numberOfCurrentOrders) : void
```

```
                    <<Interface>>
                    IShowSummary
+showSummary(summaryRequest : SummaryRequest) : SummaryDTO
```

```
              SummaryRequest
-cateringCompnayId : long
+getCateringCompnayId()
+setCateringCompnayId(cateringCompnayId) : void
+getAttribute()
+setAttribute(attribute) : void
```

```
                   SummaryDTO
-numberOfSoldOrdersLastMonth : long
-numberOfGotMoneyLastMonth : long
+getNumberOfSoldOrdersLastMonth()
+setNumberOfSoldOrdersLastMonth(numberOfSoldOrdersLastMonth) : void
+getNumberOfGotMoneyLastMonth()
+setNumberOfGotMoneyLastMonth(numberOfGotMoneyLastMonth) : void
+getAttribute()
+setAttribute(attribute) : void
```

<<Interface>>
IAddToBucket
+addToBucketRequest(addToBucketRequest : AddToBucketRequest)

<<Interface>>
IShowBucket
+showCurrentBucket(bucketId : Long) : Set<BucketaInfoDTO>

<<Interface>>
IRemoveBucket
+removeFromBucket(removeFromBucketRequest : RemoveFromBucketRequest)

AddToBucketRequest
-numberOfItems : int

+getNumberOfItems()
+setNumberOfItems(numberOfItems) : void
+getAttribute()
+setAttribute(attribute) : void

BucketInfoDTO
-foodItemId : long
-quanitity : long
-totalPrice : long

+getFoodItemId()
+setFoodItemId(foodItemId) : void
+getQuanitity() : long
+setQuanitity(quanitity : long) : void
+totalPrice()
+operation()

RemoveFromBucketRequest
-foodEntityId : int

+getId()
+setId(id) : void
+getAttribute()
+setAttribute(attribute) : void

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```
          <<Interface>>
           IAuthLogin
+login(loginCredentials : LoginCredentials) : void
```

```
          <<Interface>>
          IAuthRegister
+registerClient(clientRegisterRequest : ClientRegisterRequest) : void
```

```
        LoginCredentials
-email : string
-password : string
+getEmail()
+setEmail(email) : void
+getPassword()
+setPassword(password) : void
+getAttribute()
+setAttribute(attribute) : void
```

```
      ClientRegistrationRequest
-email : string
-password : string
-repeatPassword : string
-cityOfLiving : string
+getEmail()
+setEmail(email) : void
+getPassword()
+setPassword(password) : void
+getRepeatPassword()
+setRepeatPassword(repeatPassword) : void
+getCityOfLiving()
+setCityOfLiving(cityOfLiving) : void
+getAttribute()
+setAttribute(attribute) : void
```

<<Interface>>
IShowPiggyBankState

+showPiggyBankState(showPiggyStateRequest : ShowPiggyStateRequest)

ShowPiggyStateRequest

-amountOfMoney : long

Client

-id : long
-city : string
-email : string
-piggyBankMoney : int

+getId()
+setId(id) : void
+getCity()
+setCity(city) : void
+getEmail()
+setEmail(email) : void
+getOrders()
+setOrders(orders) : void
+getItemsInBucket()
+setItemsInBucket(itemsInBucket) : void
+getAttribute()
+setAttribute(attribute) : void

<<Interface>>
ICancelOrder

+cancelOrder(cancelOrderRequest : CancelOrderRequest)

CancelOrderRequest

-userId : Long
-orderId : Long

<<Interface>>
PlaceOrder

+placeOrders(order : Set<Order>)

<<Interface>>
IOrderPayement

+processPayementForOrder(processPayementOrderRequest : ProcessPaymentOrderRequest)

<<Interface>>
IDatabaseConnection

+connectToDatabase(databaseConnectionDetails : dbConnectionDetails)

ProcessPayementOrderRequest

-payementHash : string

+getPayementHash() : string
+setPayementHash(payementHash : string) : void
+getAttribute()
+setAttribute(attribute) : void

Order

-id : long
-dateOfPurchase : date
-state : string
-address : string

+getId()
+setId(id) : void
+getCateringEntity()
+setCateringEntity(cateringEntity) : void
+getAttribute()
+setAttribute(attribute) : void
+getState()
+setState(state) : void
+getCateringFoodEntity()
+setCateringFoodEntity(cateringFoodEntity) : void
+getAdress()
+setAdress(adress) : void
+getAttribute2()
+setAttribute2(attribute2) : void

DatabaseConnectionDetails

-jdbcUrl : string
-databaseName : string
-databaseUser : string
-databasePassword : strnig

+getJdbcUrl() : string
+setJdbcUrl(jdbcUrl : string) : void
+getDatabaseName() : string
+setDatabaseName(databaseName : string) : void
+getDatabaseUser() : string
+setDatabaseUser(databaseUser : string) : void
+getDatabasePassword() : strnig
+setDatabasePassword(databasePassword : strnig) : void
+getAttribute()
+setAttribute(attribute) : void

<<Interface>>
IShowOrders

+getUserOrders(orders : Set<Order>)

1..*

<<Interface>>
IRefundManager

+writeComplaint(complaintRequest : ComplaintRequest)

ComplaintRequest

-complaint : string

+getComplaint() : string
+setComplaint(complaint : string) : void

1

Client

-id : long
-city : string
-email : string
-piggyBankMoney : int

+getId()
+setId(id) : void
+getCity()
+setCity(city) : void
+getEmail()
+setEmail(email) : void
+getOrders()
+setOrders(orders) : void
+getItemsInBucket()
+setItemsInBucket(itemsInBucket) : void
+getAttribute()
+setAttribute(attribute) : void

Component diagram for
authorization
in the caterly system

<<component>>
AuthorizationUI

<<component>>
AuthorizationPresenter

<<component>>
RegisterManager

<<component>>
AuthorizationManager

<<component>>
LoginManager

<<component>>
UserRepository

<<component>>
Database

<<component>>
CateringFoodUI

IManageWindows

IShowStatistics   IGenerateRaportPDF   IShowSummary

<<component>>
CaterlyAppp

ICateringStatisticsAPI

<<component>>
CateringCompanyStatistics

I

<<component>>
CateringCompanyRepository

<<component>>
Database

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<<component>>
ICateringFoodUI

IShowCateringOffer

IDeleteFood

IEditFood

IAddFood

<<component>>
CateringFoodUI

CateringFoodAPI

<<component>>
CateringFoodManager

CateringFoodRepository

<<component>>
CateringFoodRepository

<<component>>
CateringDatbase

<<component>>
BucketUI

IBucketWindows

IShowBucket   IAddToBucket   IRemoveBucket

<<component>>
Client-Caterly-App

BucketAPI

<<component>>
BucketManager

IBucketRepository

<<component>>
BucketRepository

<<component>>
Database

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```
<<component>>
PiggyBankUI
```

IShowPiggyBankState

```
<<component>>
Client-Caterly-App
```

IPiggyBankAPI

```
<<component>>                    <<component>>
PiggyBankManager                 PiggyBankRepository
```

IPiggyBankRepository

use

```
<<component>>
Database
```

caterly-client-frontend

<<artifact>>
caterly-client-nginx-server.dockerfile

caterly-private-network

client-caterly-backend-server

<<artifact>>
client-caterly-backend.jar

<<artifact>>
client-caterly.dockerfile

caterly-api-gateway

<<artifact>>
caterly-gateway.jar

<<artifact>>
caterly-gateway.dockerfile

catering-company-caterly-backend-server

<<artifact>>
catering-company-caterly-backend.jar

<<artifact>>
catering-company-caterly-backend.dockerfile

director-backend-server

<<artifact>>
director-backend.jar

<<artifact>>
director-backend.dockerfile