SDM Multi-Channel Ordering

SDK Reference

V18.3

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Objective

This document describes SDM web ordering Software Development Kit functionalities, capabilities, and objects that should be utilized by clients intending to integrate and use SDM web Ordering Solution.

Overview

SDM solution provides fully integrated and automated solution for the Home Delivery and Take Out hospitality business and Customer Service Centers.

SDM Web Server and SDM Web Ordering Engine provide full self-service feature to end customers to create and maintain their profiles and orders on the web.

SDM Web Ordering Server provides integration capabilities with 3rd Party Ordering Engines through Software Development Kit which can be utilized as web services by 3rd Party Ordering Engines.

SDM Web Ordering SDK

SDM Web Ordering SDK Architecture
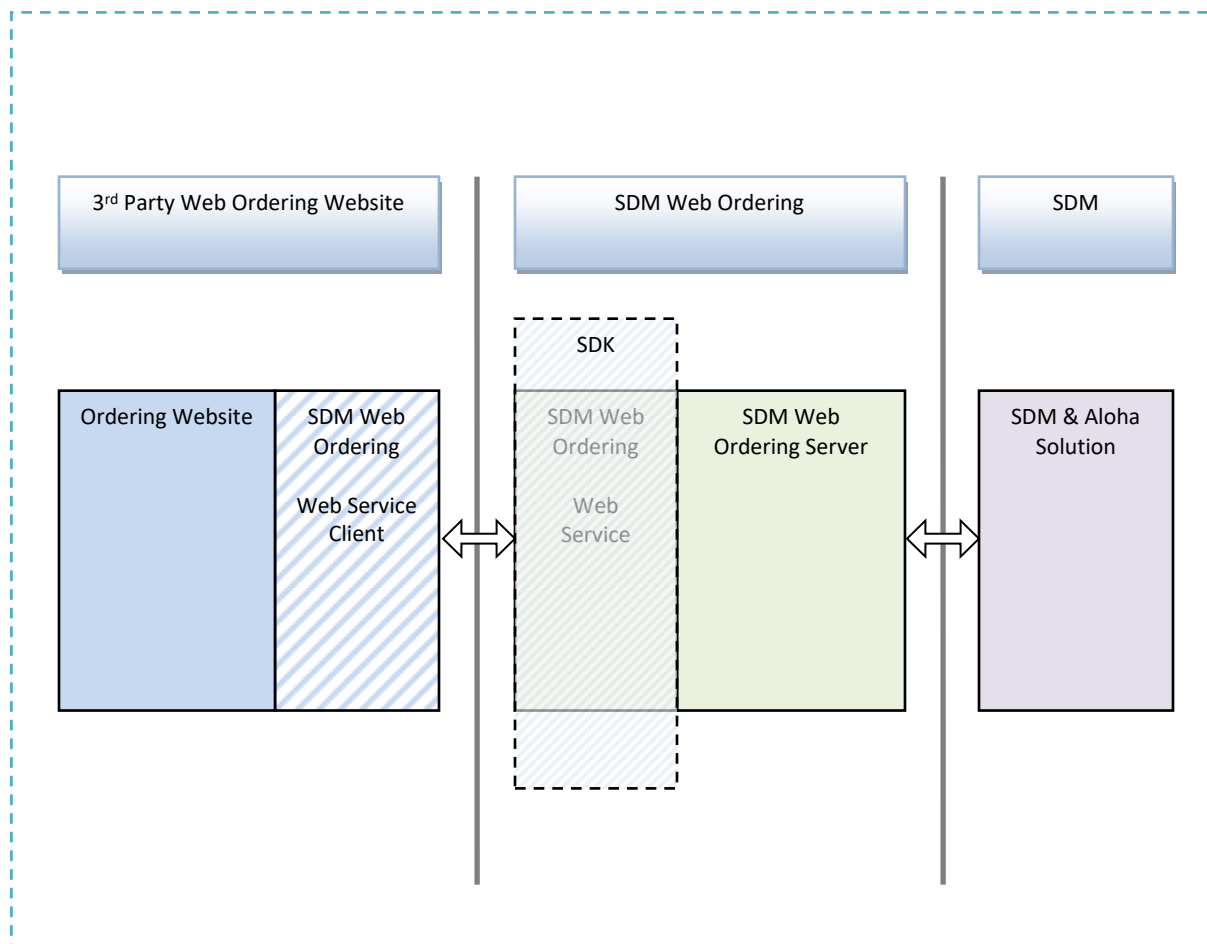
SDM Web Ordering Software Development KIT Components

The SDM Web Ordering SDK consists of rich Web Services along with a detailed documentation for the web service classes and methods in addition to Sample Codes.

SDM SDK Prerequisites

In order for the SDM SDK to be installed and used the following components must be installed:

- .Net Framework Version 4.0
- Oracle Client.
- SDM Version 4.0 or 4.5 Database Connection

Sets of SDM Web Ordering Service Methods

SDM Web Ordering Service Methods are categorized into the following Methods Sets:

- ➢ System Definition Set

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System Definition Set

This method set is used to get all system parameters, enumerations, and geographical information defined in the system.

GetSystemTime

Returns the Web ordering server time

```
DateTime GetSystemTime(out ServiceResult SDKResult, string licenseCode,
string requestID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Web ordering server time.

GetSystemParametersList

Returns a list of all system parameters defined into SDM

```
List<CC_SYSPARAMS> GetSystemParametersList(out ServiceResult SDKResult,
string licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

The list of all system parameter objects.

Remarks:

The following are the currently used parameters for web:

- CALLCENTER_DOB
- DefaultCityID
- DefaultCountryID
- DefaultCustomerClassID
- DefaultNationalityID
- DefaultProvinceID
- Local_CountryCode
- Local_MobileMask
- Local_MobilePrefix
- Local_PhoneMask
- MIN_FUTURE_TIME
- ORDERMODE1_CHARGE
- ORDERMODE1_CHARGE_CAPTION
- ORDERMODE1_CHARGE_ISFIXED
- ORDERMODE2_CHARGE
- ORDERMODE2_CHARGE_CAPTION
- ORDERMODE2_CHARGE_ISFIXED

GetWebSystemParametersList

Returns a list of all system parameters defined in the SDM.

```
List<CC_WEB_SYSPARAMS> GetWebSystemParametersList(out ServiceResult SDKResult,
string licenseCode, string requestID, string language, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

The list of all web parameter objects.

GetConceptLastUpdateTime

Return concept's last update date and time.

```
    DateTime GetConceptLastUpdateTime(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: Concept Id.

Return Value:

The Concept's last update datetime.

GetMenuTemplateLastUpdateTime

Return MenuTemplate's last update date and time.

```
    DateTime GetMenuTemplateLastUpdateTime(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: Concept Id.

- menuTemplateID: MenuTemplate Id.

<u>Return Value:</u>

The Menu Template's last update datetime.

GetMasterDataLastUpdateTime

Return MasterData's last update date and time.

```
DateTime GetMasterDataLastUpdateTime(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

<u>Return Value:</u>

The Master Data's last update datetime.

GetWebCustomParametersList

Return a list of all web custom parameters.

```
List<CC_WEB_CUSTOM_PARAMS> GetWebCustomParametersList(out ServiceResult
SDKResult, string licenseCode, string requestID, string language, decimal conceptID);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: Concept Id.

Return Value:

The list of all web custom parameter objects.

Customer Management Set

Using this method set you can manage customer registeration, update customer information, customer addresses, address details, phones …etc.

RegisterCustomer

Register a new customer in the SDM. The Customer object is passed as a parameter, the return value is the customer object with the registered customer information, the customer ID and registration number.

```
    CC_CUSTOMER RegisterCustomer(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, CC_CUSTOMER customer);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- Customer: The customer to be registered.

Return Value:

The registered customer object with the new registration number and customer ID

RegisterExistingCustomer

Register an existing customer in SDM.

```
    CC_CUSTOMER RegisterExistingCustomer(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal customerID, decimal conceptID, string
userName, string password);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- licenseCode: The registered license code of the client application.

- requestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: Existing customer Id.

- conceptID: Concept Id.

- Username: Customer's username.

- Password: Customer's password.

Return Value:

The registered customer object with the new registration number and ID

RegisterExistingCustomerAsGuest

Register an existing customer in SDM as a guest.

```
    CC_CUSTOMER RegisterExistingCustomerAsGuest(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal customerID, decimal conceptID, string
userName, string password);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- licenseCode: The registered license code of the client application.

- requestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: Existing customer Id.

- conceptID: Concept Id.

- Username: Customer's username.

- Password: Customer's password.

Return Value:

The registered customer object with the new registration number and ID.

RegisterAddress

Register new address profile for an existing customer and return the registered address profile with new address registration number.

```
    CC_ADDRESS RegisterAddress(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string customerUserName, string customerPassword,
string customerRegistrationID, CC_ADDRESS address, bool isGuest);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- CustomerRegistrationID: Customer's registration number.

- Address: The new address object to be registered.

- isGuest: whether or not the customer is a guest.

Return Value:

The registered address object with new registration number

RegisterAddressByID

Register new address profile for an existing customer by sending only the customer registration ID (number) and return the registered address profile with new address registration number.

```
CC_ADDRESS RegisterAddressByID(out ServiceResult SDKResult, string licenseCode, string
requestID, string language,
            string customerRegistrationID,

            CC_ADDRESS address);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerRegistrationID: Customer's registration number.

- Address: The new address object to be registered.

Return Value:

The registered address object with new registration number

RegisterAddressStoreDetails

Register a new address store related profile for an existing customer and address profile; the return value is the address store related profile object which contains generated ID's (not used, this is kept for backwards compatibility).

```
        CC_ADDRESS_STORE_DETAILS RegisterAddressStoreDetails(out ServiceResult SDKResult,
string licenseCode, string requestID, string language, string customerUserName, string
customerPassword, string customerRegistrationID, CC_ADDRESS_STORE_DETAILS
addressDetails);
```

Parameters:

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- CustomerRegistrationID: Customer's registration number.

- AddressDetails: Address store related profile object to be registered.

Return Value:

The registered address store related profile object.

RegisterCustomerPhoneNumber

Register new customer phone number, this phone will be added to customer phone list, the return object contains the new phone ID.

```
    CC_CUSTOMER_PHONE RegisterCustomerPhoneNumber(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, string customerUserName, string
customerPassword, CC_CUSTOMER_PHONE phoneInfo);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- PhoneInfo: Customer phone object to be registered.

Return Value:

The registered customer phone object with new phone ID.

UpdateCustomer

Update existing customer information (customer basic information), this method won't update any address profile or phone numbers.

The customer object is passed as a parameter and the return value is the object with the updated information.

```
        CC_CUSTOMER UpdateCustomer(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, CC_CUSTOMER customer);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- Customer: The customer's object to be updated.

Return Value:

The updated customer object.

UpdateAddress

Update an existing address profile.

```
        CC_ADDRESS UpdateAddress(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, string customerUserName, string customerPassword,
string customerRegistrationID, CC_ADDRESS address);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- CustomerRegistrationID: Customer's registration number.

- Address: The address object to be updated.

<u>Return Value:</u>

The updated customer address profile object.

UpdateAddressByID

Update an existing address profile.

```
CC_ADDRESS UpdateAddressByID(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string customerRegistrationID, CC_ADDRESS address);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerRegistrationID: Customer's registration number.

- Address: The address object to be updated.

<u>Return Value:</u>

The updated customer address profile object.

UpdateAddressStoreDetails

Update an existing address store related profile.

```
CC_ADDRESS_STORE_DETAILS UpdateAddressStoreDetails(out ServiceResult SDKResult,
string licenseCode, string requestID, string language, string customerUserName, string
customerPassword, string customerRegistrationID, CC_ADDRESS_STORE_DETAILS
addressDetails);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- CustomerRegistrationID: Customer's registration number.

- AddressDetails: Contains the address store related profile object to be updated.

Return Value:

The updated address store related object.

DeleteAddress

```
bool DeleteAddess(out ServiceResult SDKResult, string licenseCode, string requestID,
string language, decimal addressID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- addressID: The address ID to be deleted.

Return Value:

True if the address is deleted successfully, false if not deleted due to an error.

UpdateCustomerPhoneNumber

Update an existing customer phone number for an existing customer.

```
CC_CUSTOMER_PHONE UpdateCustomerPhoneNumber(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, string customerUserName, string
customerPassword, CC_CUSTOMER_PHONE phoneInfo);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- PhoneInfo: The customer phone object to be updated.

Return Value:

The updated customer phone object.

UpdateCustomerSettings

Update customer settings.

```
bool UpdateCustomerSettings(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal customerID, Dictionary<string,
CC_CUSTOMER_SETTINGS> settings);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- settings: Customer settings object dictionary.

<u>Return Value:</u>

Returns true if the update operation was successful, otherwise false.

UpdateCustomerNotificationMobile

Update customer's mobile number which is used by the notification service (NOT USED).

```
    bool UpdateCustomerNotificationMobile(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal customerID, string
notificationMobile);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- notificationMobile: Notification mobile number.

<u>Return Value:</u>

Returns true if the update operation was successful, otherwise false.

UpdateCustomerToken

Update customer's token.

```
    bool UpdateCustomerToken(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal customerID, string token, DateTime tokenDate);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- token: Token.

- tokenDate: Token date.

Return Value:

Returns true if the update operation was successful, otherwise false.

DeleteCustomerPhoneNumber

Delete customer's phone number.

```
    bool DeleteCustomerPhoneNumber(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string customerUserName, string customerPassword,
decimal customerID, decimal addressID, decimal phoneID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- addressID: The address ID of the phone to be deleted.

- phoneID: The phone ID for the phone to be deleted.

Return Value:

Returns true if the customer phone was deleted successfully, otherwise false.

ActiveCustomerAccount

Activate a customer's account if the account status is not inactive.

```
bool ActiveCustomerAccount(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal customerID, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- conceptID: The concept ID.

Return Value:

Returns true if the the customer account was activated, returns false if the account status is inactive or the customer was not found.

IsCustomerUserNameOrEmailUsed

Checks whether a Username or Email address is used.

```
CUSTOMER_EXISTANCE IsCustomerUserNameOrEmailUsed(out ServiceResult SDKResult,
string licenseCode, string requestID, string language, string customerUserNameOrEmail);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerUserNameOrEmail: customer's Username or Email address.

Return Value:

Returns true if the specified user name or email is used, otherwise false.

GetCustomerByID

Get customer details by Customer ID. This function is used for web customers only, if a customer doesn't have a Web Profile, the return value will be null.

```
CC_CUSTOMER GetCustomerByID(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal customerID, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- conceptID: The concept ID.

Return Value:

The customer's object or Null if customer not found.

GetCustomerSDMInfoByID

Get customer's SDM details by Customer ID. This function retrieves the SDM customer profile information even if the customer doesn't have a web profile. This should be used only during registering an exiting customer process.

```
CC_CUSTOMER GetCustomerSDMInfoByID(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal customerID, decimal conceptID);
```

Parameters:

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- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- licenseCode: The registered license code of the client application.

- requestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer Id.

- conceptID: The concept ID.

Return Value:

The customer's object or Null if customer not found.

GetCustomer

Get full customer information including all address profiles (also include address store related profiles) and phones. This is used for Web customers only during customer authentication process. If customer doesn't have a web profile the return value will be null.

```
    CC_CUSTOMER GetCustomer(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, string customerUserName, string customerPassword, decimal
conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- ConceptID: The concept ID which will return only address related store that belong to this concept.

Return Value:

The Customer object.

GetCustomerByEmail

Get full customer information including all address profiles (also include address store related profiles) and phones. This function retrieves the SDM customer profile even if the customer doesn't have a web profile. This is used in registering existing customer process.

```
        CC_CUSTOMER GetCustomerByEmail(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string email, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- email: The customer's email to search for.

- ConceptID: The concept ID.

Return Value:

The Customer object.

GetCustomersByEmail

Get the list of customers IDs registered by the email sent.

```
List<decimal> GetCustomersByEmail(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, string email, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- email: The customer's email to search for.

- ConceptID: The concept ID.

Return Value:

A list of customers IDs or Null if the email is not used by any existing customer.

GetCustomerByMobile

Get full customer information including all address profiles (also include address store related profiles) and phones. This function retrieves the SDM customer profile even if the customer doesn't have a web profile. This is used in registering existing customer process.

```
    CC_CUSTOMER GetCustomerByMobile(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string mobileNo, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- mobileNo: The customer's mobile number to search for.

- ConceptID: The concept ID.

Return Value:

Customer information object.

GetCustomersByPhone

Get the list of customers IDs registered by the phone number sent.

List<decimal> GetCustomersByPhone(out ServiceResult SDKResult, string licenseCode, string requestID, string language, string phoneNo, decimal conceptID);

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- phoneNo: The customer's phone number to search for.

- ConceptID: The concept ID.

Return Value:

A list of customers IDs or Null if the phone number is not used by any existing customer.

GetNationalitiesList

Returns a list of all nationalities defined into SDM, like American, French, Thai …etc. Used for customer registration.

List<CC_NATIONALITY> GetNationalitiesList(out ServiceResult SDKResult, string licenseCode, string requestID, string language);

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Nationality objects list defined in SDM.

GetCustomerTitlesList

Returns a list of all customer titles defined into SDM, like Mr. Mrs. Eng. Dr. Miss. …etc.

Used for customer registration.

```
List<CC_CUSTOMER_TITLE> GetCustomerTitlesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Customer title objects list defined in SDM.

GetCustomerLanguagesList

Returns a list of all customer languages defined in SDM, like English, Thai, Arabic …etc.

Used for customer registration.

```
List<CC_CUSTOMER_LANGUAGE> GetCustomerLanguagesList(out ServiceResult
SDKResult, string licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Language objects list defined in SDM.

GetCustomerClassesList

Returns a list of all customer classes defined in SDM, like VIP, Hotel, Hospital, Individual …etc.

Used for customer registration.

```
List<CC_CUSTOMER_CLASS> GetCustomerClassesList(out ServiceResult SDKResult,
string licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Customer class objects list defined in SDM.

GetAddressClassesList

Returns a list of all address classes defined in SDM, like Hotel, Hospital …etc.

Used for address registration.

```
List<CC_ADDRESS_CLASS> GetAddressClassesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Address class objects list defined in SDM.

GetOrdersCount

Return total number of orders for specific customer and concept.

```
int GetOrdersCount(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, string customerUserName, string customerPassword, decimal
conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- ConceptID: The concept ID.

Return Value:

The total number of orders for that customer with specific concept.

GetPendingOrdersCount

Return total number of pending orders (waiting for authorization) for specific customer.

```
    int GetPendingOrdersCount(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string customerUserName, string customerPassword,
decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- CustomerPassword: Customer's password.

- ConceptID: The concept ID.

Return Value:

The total number of pending orders.

ChangeCustomerPassword

Change the specified customer's password.

```
    bool ChangeCustomerPassword(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string customerUserName, string oldCustomerPassword,
string newCustomerPassword);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- OldCustomerPassword: Customer's current password.

- NewCustomerPassword: Customer's new password.

<u>Return Value:</u>

True if the password has been changed successfully otherwise false.

ChangeSecurityQuestion

Change the specified customer's security question.

```
bool ChangeSecurityQuestion(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, string username, string password, int question,
 string answer);
```

<u>Parameters:</u>
- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- username: Customer's username.

- password: Customer's current password.

- question: The new security question ID.

- Answer: the answer of the new question.

<u>Return Value:</u>

True if the security question has been changed successfully otherwise false.

ChangeCustomerEmail

Change the specified customer's email address.

```
bool ChangeCustomerEmail(out ServiceResult SDKResult, string licenseCode, string requestID, string language, decimal customerID,string newCustomerEmail);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: The customer ID.

- newCustomerEmail: The customer's new email address.

Return Value:

true if the email has been changed successfully otherwise false.

SetCustomerPassword

Change the specified customer's password. This function does not require the old password entry. This is used for password recovery.

```
bool SetCustomerPassword(out ServiceResult SDKResult, string licenseCode, string requestID, string language, string customerUserName, string newCustomerPassword);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerUserName: Customer's username.

- newCustomerPassword: The new customer's password.

Return Value:

true if the password has been set successfully otherwise false.

Geo Components Set

Common functions to manage locations

FindLocation

Return a set of location search objects for the specified parameters, the number of records returned is specified by startRowNum and endRowNum parameters.

```
        List<LocationSearch> FindLocation(out ServiceResult SDKResult, out int
TotalResultCount, string licenseCode, string requestID, string language, decimal
conceptID, decimal countryID, decimal provinceID, decimal cityID, string searchText, int
criteria, bool area, bool district, bool street, bool buildingName, bool template, string
sortBy, int searchCriteria, int startRowNum, int endRowNum, decimal districtID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID to get related stores.

- CountryID: The Country ID as first filter to find the location

- ProvinceID: The Province ID as second filter to find the location.

- CityID: The City ID as third filter to find the location.

- SearchText: Contains the text to search for location, this text can be building name, Street name/number, District name, Area name, or template.

- Criteria: Can only be Zero or One, zero indicates to 'Contains' and one will be 'Start With' as search mechanism.

- Area: If true, the server will include Area for search about your text, otherwise the search will exclude Area table

- District: If true, the server will include District for search about your text, otherwise the search will exclude District table

- Street: If true, the server will include Street for search about your text, otherwise the search will exclude Street table

- BuildingName: If true, the server will include building name for search about your text.

- Template: If true, the server will include address template for search about your text, otherwise the search will exclude template table

- SortBy: Can only be 'Area', 'Street', or 'District', the result will be sorted depending on one of the previous values, i.e if the sort by is 'Area' the result will be sorted by Area.

- SearchCriteria: Can only be Zero or One, zero that the search will be as exact word, otherwise search will be any word (sentence will be divided to words from spaces).

- StartRowNum: Contains the first row number for the returned result.

- EndRowNum: Contains the last row number for the returned result.

- DistrictID: The District ID as a filter to find the location.

Return Value:

LocationSearchList: List of n records of LocationSearch objects matching the search criteria.

GetWebBuildTypeList

Return the web building types list.

```
        List<CC_WEB_BUILD_TYPE> GetWebBuildTypeList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Web building type objects defined in SDM.

GetWebAddressTypeList

Return the web address types list.

```
        List<CC_WEB_ADDRESS_TYPE> GetWebAddressTypeList(out ServiceResult SDKResult,
string licenseCode, string requestID, string lang);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Web address type objects defined in SDM.

GetCountriesList

Returns a list of all Countries defined in SDM. Used for customer profile registration.

```
        List<CC_COUNTRY> GetCountriesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Country objects list.

GetProvincesList

Returns a list of all Provinces defined in SDM. Used for customer profile registration.

```
List<CC_PROVINCE> GetProvincesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Province objects list.

GetCitiesList

Returns a list of all Cities defined in SDM

Used for customer profile registration since you need to find address location depending on Country, Province, City, Street, District and Area.

```
List<CC_CITY> GetCitiesList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

City objects list.

GetWebCountriesList

Return web countries list.

```
        List<CC_WEB_COUNTRY> GetWebCountriesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Web country objects list.

GetWebProvincesList

Return web provinces list.

```
        List<CC_WEB_PROVINCE> GetWebProvincesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Web province objects list.

GetWebCitiesList

Return web cities list.

```
List<CC_WEB_CITY> GetWebCitiesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Web City objects list.

GetArea

Returns an Area object defined in SDM depending on certain Area ID.

```
CC_AREA GetArea(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal areaID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- AreaID: Area ID to get the information for.

Return Value:

Area object for the specified Area ID.

GetStreet

Return a Street object defined in SDM depending on certain Street ID.

```
    CC_STREET GetStreet(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal streetID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- StreetID: Contains the Street ID to get the Street information from SDM

Return Value:

Street object for the specified Street ID.

GetDistrict

Return a District object defined in SDM depending on certain District ID.

```
    CC_DISTRICT GetDistrict(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal districtID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- DistrictID: Contains the District ID to get the District information from SDM

Return Value:

District object for the specified District ID.

GetDistrictsList

Search for the list of districts matching the search criteria for the specified country, province and city.

```
        List<CC_DISTRICT> GetDistrictsList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID, string text, int searchType);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

- text: search text

- searchType: 0 means 'Contains', 1 means 'Exact'

Return Value:

District objects list matching the search criteria.

GetWebDistrictsList

Return the list of web districts matching a specific country, province and city.

```
List<CC_WEB_DISTRICT> GetWebDistrictsList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

Return Value:

The list of Web District objects for the specified country, province and city.

GetWebAreasList

Return the list of web areas matching a specific country, province and city.

```
List<CC_WEB_AREA> GetWebAreasList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

Return Value:

The list of Web Areas objects for the specified country, province and city.

GetWebAreasListCount

Return the number of web areas in specific country, province and city.

```
int GetWebAreasListCount(out ServiceResult SDKResult, string licenseCode, string
requestID, string lang, decimal countryID, decimal provinceID, decimal cityID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

Return Value:

The number of the defined web areas.

GetWebAreasListPart

Return range of the list of the web areas matching a specific country, province and city.

```
        List<CC_WEB_AREA> GetWebAreasListPart(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID, int from, int to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

- from: Range start.

- to: Range end.

Return Value:

Web Areas objects list range for the specified country, province and city.

GetWebStreetsList

Return the list of web streets matching specific country, province and city.

```
        List<CC_WEB_STREET> GetWebStreetsList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

Return Value:

Web streets objects list for the specified country, province and city.

GetWebStreetsListCount
Return the number of web streets in specific country, province and city.

```
    int GetWebStreetsListCount(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal countryID, decimal provinceID, decimal cityID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

Return Value:

The number of the defined web streets.

GetWebStreetsListPart

Return range of the list of the defined web streets in specific country, province and city.

```
List<CC_WEB_STREET> GetWebStreetsListPart(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID,int from, int to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

- from: Range start.

- to: Range end.

Return Value:

District objects list range for the specified country, province and city.

GetWebDistrictsListCount

Returns the number of defined web district list in a specific country, province and city.

```
int GetWebDistrictsListCount(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal countryID, decimal provinceID, decimal cityID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

SDM SDK

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

Return Value:

The number of web districts.

GetWebDistrictsListPart

Return a range of the list of the defined web districts in specific country, province and city.

```
List<CC_WEB_DISTRICT> GetWebDistrictsListPart(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal countryID, decimal provinceID,
decimal cityID, int from, int to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- countryID: Country ID

- provinceID: Province ID

- cityID: City ID

- from: Range start.

- to: Range end.

Return Value:

District objects list range for the specified country, province and city.

GetZone

Return a Zone object as defined in SDM for the specified Zone ID.

```
        CC_DLVZONE GetZone(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal zoneID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ZoneID: Zone ID to get the zone information from SDM

Return Value:

The delivery Zone object for the specified zone ID.

GetStore

Return a store object as defined in SDM for the specified store ID.

```
        CC_STORE GetStore(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal storeID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- StoreID: The store ID to get the information from SDM

Return Value:

The Store object for the specified store ID.

GetStoresList

Returns a list of all stores defined in SDM

Used for Store address details registration and display all stores depending on location search result.

```
List<CC_STORE> GetStoresList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: Contains the concept ID which will be used to return all stores belonging to that concept.

Return Value:

Store objects list.

GetStoresListPart

Returns a range of stores defined in SDM

Used for Store address details registration to display all stores depending on location search result.

```
List<CC_STORE> GetStoresListPart(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal conceptID, int from, int to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID which will be used to return all stores which belong to it.

- from: Range start.

- to: Range end.

Return Value:

The specified range of store objects list.

GetStoresListCount

Returns number of defined stores in SDM

```
int GetStoresListCount(out ServiceResult SDKResult, string licenseCode, string
requestID, string lang, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: Contains the concept ID which will be used to return all stores belonging to that concept.

Return Value:

The number of defined stores in SDM.

GetStoresAreaList

Return the list of all defined store-area objects. This can be usefull to know all the stores that serves an area.

```
List<CC_STORE_AREA> GetStoresAreaList(string licenseCode, string requestID,
string lang, decimal conceptID, out ServiceResult SDKResult);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- StoreID: The store ID to get the area list for from the SDM

Return Value:

The area object list for the specified store ID.

GetStoreArea
Return a StoreArea object as defined in SDM of the specified Area ID.

```
CC_STORE_AREA GetStoreArea(string licenseCode, string requestID, string lang,
decimal conceptID,decimal areaID, out ServiceResult SDKResult);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- areaID: The Area ID to get the store area object from SDM

Return Value:

The store area object for the specified Area ID.

GetWebStoreGroups
Return the list of web store group objects for the specified concept as defined in the SDM

```
List<CC_WEB_STORE_GROUP_DEF> GetWebStoreGroups(string licenseCode, string
requestID, string lang, decimal conceptID, out ServiceResult SDKResult);
```

Parameters:

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- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The Concept ID to get the web store groups for from the SDM

Return Value:

The list of web store group objects for the specified Concept.

GetWebStoreGroupCategories

Return the web store group categories for the specified concept as defined in the SDM.

```
List<CC_WEB_STORE_GROUP_CATEGORY> GetWebStoreGroupCategories(string licenseCode,
string requestID, string lang, decimal conceptID, out ServiceResult SDKResult);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: Concept ID to get the web store group categories for from the SDM

Return Value:

The list of web store group categories objects for the specified Concept.

FindStores

Return a list of Store IDs matching the search critieria for the specified concept.

```
List<decimal> FindStores(string licenseCode, string requestID, string lang,
decimal conceptID, string searchText, bool webOnly, out ServiceResult SDKResult);
```

Parameters:

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: Concept ID to get the web store group categories for from the SDM

- searchText: the text to be used to search for the stores.

- webOnly: whether to search in the web stores only or in all stores defined in the SDM.

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

Return Value:

The list of Store IDs matching the search criteria for the specified Concept.

SDM SDK

Order Status

Contains one function. Used to enumerate all possible order statues.

GetOrderStatusList

Returns a list of all order statuses defined in SDM, like In-Kitchen, En route, closed …etc.

Used to display order status.

```
        List<CC_ORDER_STATUS> GetOrderStatusList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

The list of order status objects.

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Connection Status

Contains one function, Used to enumerate all connection statuses in SDM.

GetConnectionStatusList

Returns a list of all connection statuses defined in SDM, which indicate store connection status, like Online, Offline …etc.

```
List<CC_CONNECTION_STATUS> GetConnectionStatusList(out ServiceResult
SDKResult, string licenseCode, string requestID, string language);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

Connection status list.

Ordering Components Set

This method set is used for retrieving Ordering Menu templates, related Items and the pricing details.

GetConcept

Return the concept object for the specified concept ID.

```
CC_CONCEPT GetConcept(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The Concpet ID.

Return Value:

The concept object for the specified concept ID.

GetMenuTemplate

Return the menu template object of the specified menu template ID.

```
CC_MENU_TEMPLATE GetMenuTemplate(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- menuTemplateId: The Menu Template ID.

Return Value:

The menu template object for the specified Menu Template ID.

GetMenuTemplatesList

Return list of all menu templates for a specific concept as defined in the SDM

```
List<CC_MENU_TEMPLATE> GetMenuTemplatesList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID for which to return the list of menu templates objects.

Return Value:

The list of menu template objects.

GetQuantityPriceList

Return list of all quantity prices for specific menu template defined in SDM

Used in price calculations for items in ordering module.

```
List<CQuantityPrice> GetQuantityPriceList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the quantity prices list.

Return Value:

The list of quantity prices objects for the specified menu template.

GetFixedPriceList

Return list of all fixed prices for specific menu template defined in SDM

Used in price calculations for items in ordering module.

```
    List<CFixedPrice> GetFixedPriceList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the fixed prices list.

Return Value:

The list of fixed prices objects for the specified menu template.

GetPriceLevelList

Return list of all price levels for specific menu template defined in SDM

Used in price calculations for items in ordering module.

```
    List<CPriceLevel> GetPriceLevelList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the price level list.

Return Value:

The list of price level objects for the specified menu template.

GetPriceChangeList

Return list of all price changes for specific menu template defined in SDM

Used in price calculations for items in ordering module.

```
    List<CPriceChange> GetPriceChangeList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the price change list.

Return Value:

The list of price change objects for the specified menu template.

GetEventsList

Return list of all events for specific menu template defined in SDM, these events will use to specify a special price for some items in certain period, or to show item button in ordering module on specific period, there are many uses for events.

```
        List<CEvent> GetEventsList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the price change list.

Return Value:

The list of price change objects for the specified menu template.

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GetCategoriesList

Return list of all items categories for specific menu template defined in SDM

Used in price calculations and categorization for items in ordering module.

```
List<CCategory> GetCategoriesList(out ServiceResult SDKResult, string licenseCode, string requestID, string language, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the category list.

Return Value:

The list of category objects for the specified menu template.

GetMenusList

Return list of all menus for specific menu template defined in SDM

Used for ordering module structure.

```
List<CMenu> GetMenusList(out ServiceResult SDKResult, string licenseCode, string requestID, string language, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to return the menu list.

Return Value:

The list of menu objects for the specified menu template.

GetSubmenusList

Return list of all submenus for specific menu defined in SDM

Used for ordering module structure.

```
List<CSubmenu> GetSubmenusList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID, int menuID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of menu.

- MenuID: The Menu ID for which to get all submenus.

Return Value:

The list of submenus objects for the specified menu.

GetSubmenu

Return a submenu object for specific ID

```
        CSubmenu GetSubmenu(out ServiceResult SDKResult, string licenseCode, string
requestID, string lang, decimal conceptID, decimal menuTemplateID, int submenuID);
```

Parameters:

- **SDKResult:** The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.
- **LicenseCode:** The registered license code of the client application.
- **RequestID:** The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).
- **Language:** The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).
- **ConceptID:** The concept ID of the menu template.
- **MenuTemplateID:** The menu template ID of menu.
- **submenuID:** The SubMenu ID.

Return Value:

The submenu object for the specified ID.
Use "Element_Type=3" or "Element_Type=4" for Quick Combo

GetAllSubmenus

Return the list of all submenus for specific menu template defined in SDM

Used for ordering module structure.

```
        List<CSubmenu> GetAllSubmenus(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of menu.

Return Value:

The list of all submenu objects for the specified menu template.

GetItem

Return an item object for specific ID

```
       CItem GetItem(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, decimal menuTemplateID, int itemID);
```

<u>Parameters:</u>

- **SDKResult:** The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.
- **LicenseCode:** The registered license code of the client application.
- **RequestID:** The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).
- **Language:** The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).
- **ConceptID:** The concept ID of the menu template.
- **MenuTemplateID:** The menu template ID of menu containing the item.
- **itemID:** The item ID.

<u>Return Value:</u>

The item object of the specified ID.

Attribute Descriptions

Attribute	Description
OrderMode	0=All, 1=Delivery, 2=Take out
AvailiblityDays	Comma separated text for the list of allowed days: for example, "sun, sat, fri" means the items is allowed for Sunday Saturday and Friday.
AvaliliblityFromTime	Starting time in case the item is allowed for specific period during the day. The time is based on 24 hour
AvaliliblityToTime	End time in case the item is allowed for specific period during the day. The time is

	based on 24 hour
AvaliliblityUseDays	A Boolean value true or false. Specify if the item will be used for specific days during the week.
AvaliliblityUseTime	A Boolean value true or false. Specify if the item will be used for specific time during the day.

GetItemsList

Return list of all items for specific submenu defined in SDM

Used for ordering module structure.

```
        List<CItem> GetItemsList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID, int
submenuID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of menu containing the submenu.

- SubmenuID: The ID of the submenu for which to get all items.

Return Value:

The list of all items objects of the specified submenu.

GetModgroupsList

Return list of all modifier groups for specific item defined in SDM

Used for ordering module structure.

```
List<CModGroup> GetModgroupsList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID, int
itemID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of menu containing the item.

- ItemID: The item ID for which to get all modifier groups.

Return Value:

The list of all modifier group objects.

GetModifiersList

Return list of all items for specific modifier group defined in SDM

Used for ordering module structure.

```
List<CItem> GetModifiersList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID, int
modgroupID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of menu containing the modifier group.

- ModgroupID: The modifier group ID for which to get all modifier items.

Return Value:

The list of modifier item objects for the specified modifier group.

GetCompList

Return the list of defined complimentary for the specified menu template.

```
List<CComp> GetCompList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to get the comp list.

Return Value:

The list of all comp objects.

GetPromoBogoList

Return the list of defined Bogo promotions for the specified menu template.

```
List<CPromo_BOGO> GetPromoBogoList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to get the BOGO promo list.

Return Value:

The list of all BOGO promo objects.

GetPromoCheckReductionList

Return the list of defined check reduction promotions for the specified menu template.

```
List<CPromo_CheckReduction> GetPromoCheckReductionList(out ServiceResult
SDKResult, string licenseCode, string requestID, string language, decimal conceptID,
decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to get the check reduction promo list.

Return Value:

The list of check reduction promo objects.

GetPromoQuickComboList

Return the list of defined quick combo promotions for the specified menu template.

```
List<CPromo_QuickCombo> GetPromoQuickComboList(out ServiceResult SDKResult,
string licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID);
```
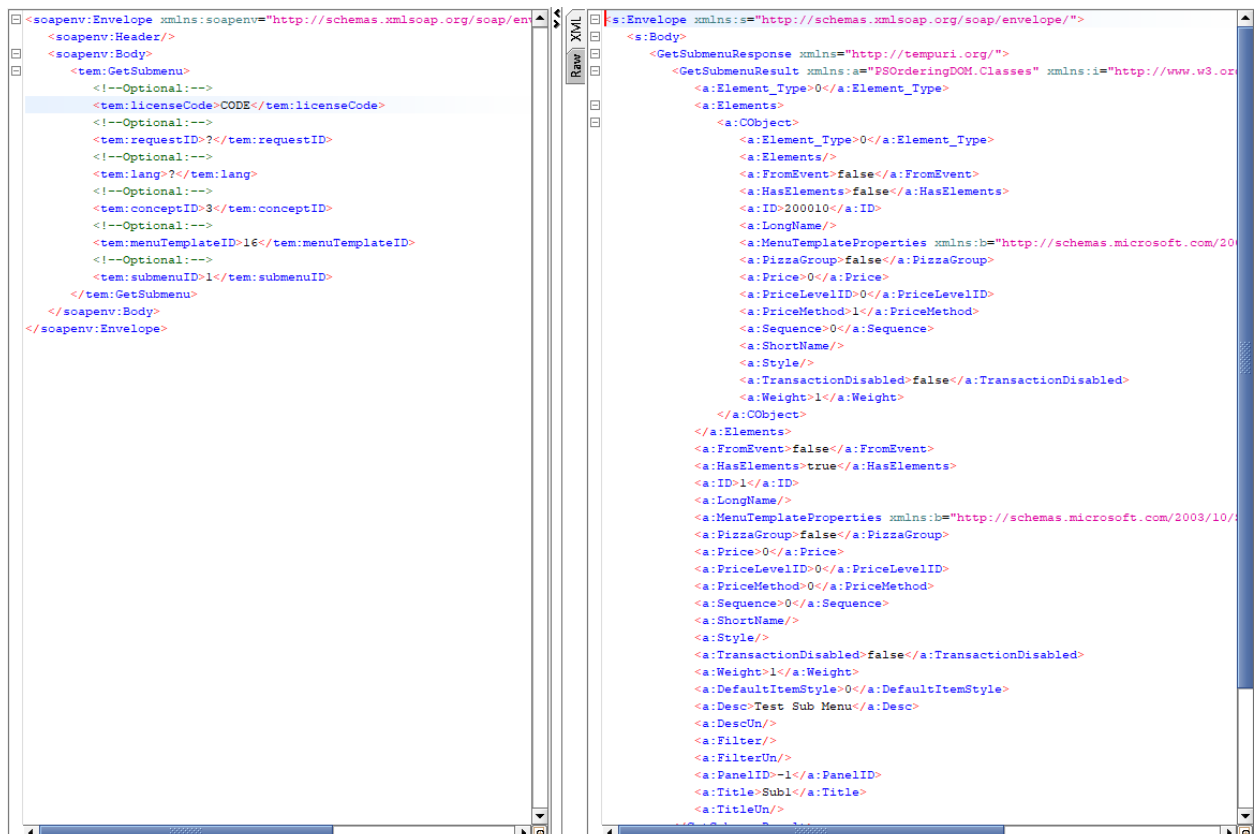
Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID for which to get the quick combo promo list.

Return Value:

The list of quick combo promo objects.

GetCategoryItemList

Return list of item IDs for the specified item category (only the Item ID not the item object).

```
List<int> GetCategoryItemList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal
menuTemplateID, int categoryID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of the category.

- categoryID: the category for which to get the items for.

Return Value:

The list of item IDs for the specified category.

GetMenuTransactions

Return list of menu Transactions for the specified menu template.

```
List<PSOrderingDOM.TransactionOrderingDatabase> GetMenuTransactions(out ServiceResult
SDKResult, string licenseCode, string requestID, string language, decimal conceptID,
decimal menuTemplateID);
```
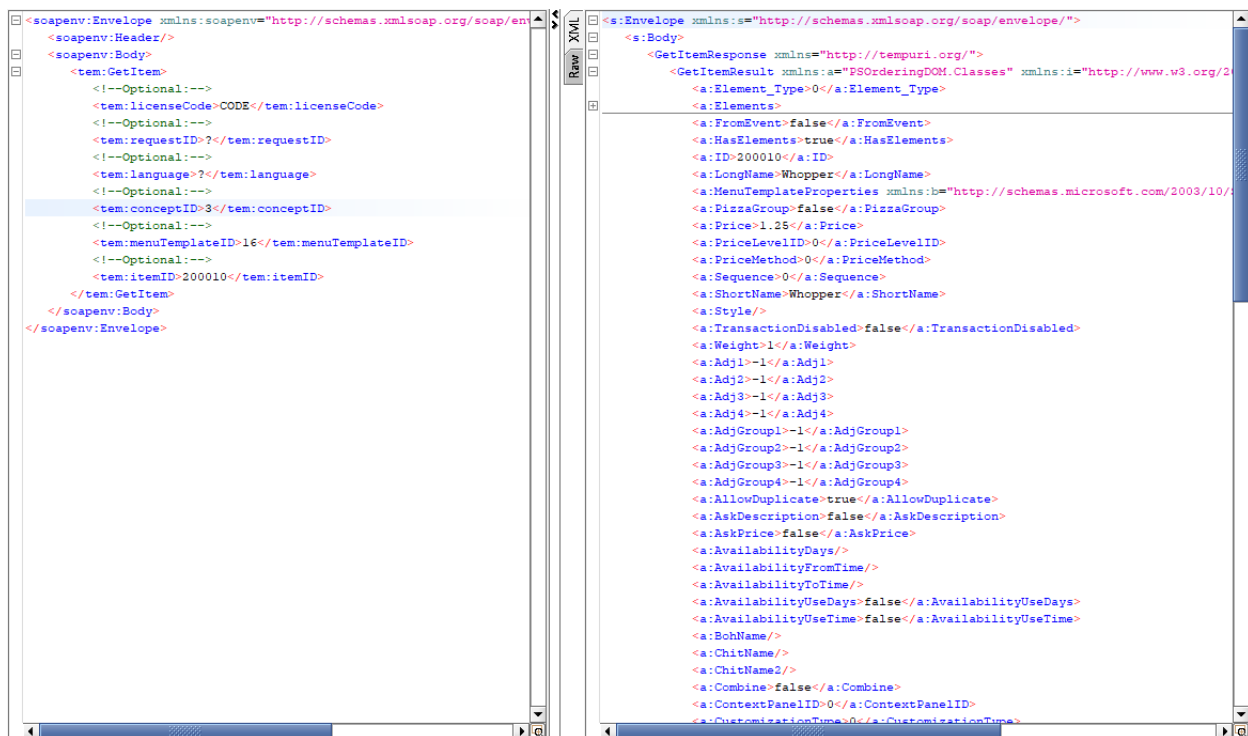
Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of the menu transactions.

Return Value:

The list of Menu Transaction objects for the specified concept and menu template.

GetTaxesList

Return list of Taxes for the specified menu template in the specified concept.

```
List<CTax> GetTaxesList(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of the taxes.

Return Value:

The list of Tax objects for the specified menu template in the specified concept.

GetTaxesFlexList

Return list of the Taxes Flex (the conditions to apply the Taxes) for the specified menu template in the specified concept.

```
List<CTaxFlex> GetTaxesFlexList(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the menu template.

- MenuTemplateID: The menu template ID of the taxes flex.

Return Value:

The list of Tax Flex objects for the specified menu template in the specified concept.

GetWebCombosList

Return list of the Web Quick Combo for the specified menu template in the specified concept.

```
        List<WebCombo> GetWebCombosList (out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal menuTemplateID
);
```

Parameters:

- **SDKResult**: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.
- **LicenseCode**: The registered license code of the client application.
- **RequestID**: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).
- **Language**: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).
- **ConceptID**: The concept ID of the menu template.
- **MenuTemplateID**: The menu template ID of the taxes flex.

Return Value:

The list of Web Quick Combo objects for the specified menu template in the specified concept.

Attribute Descriptions

Attribute	Description
OrderMode	0=All, 1=Delivery, 2=Take out
AvailiblityDays	Comma separated text for the list of allowed days: for example, "sun, sat, fri" means the items is allowed for Sunday Saturday and Friday.
AvaliliblityFromTime	Starting time in case the item is allowed for specific period during the day. The time is based on 24 hour
AvaliliblityToTime	End time in case the item is allowed for specific period during the day. The time is based on 24 hour
AvaliliblityUseDays	A Boolean value true or false. Specify if the item will be used for specific days during the week.
AvaliliblityUseTime	A Boolean value true or false. Specify if the item will be used for specific time during the day.
WebCombo	Web Quick Combo Object
WebCombo.Title	Web Quick Combo Title
WebCombo.Description	Web Quick Combo Description
WebCombo.Level	Quick Combo Level (0: Small, 1: Medium, 2: Large)
WebCombo.Price	Quick Combo Price
WebCombo.PromoID	Promotion ID
WebCombo.WebComboStep	Quick Combo Component like (Main Meal, Sandwish, Drink or Fires)
WebComboStep.CompID	Quick Combo Component ID
WebComboStep.Items	Represent the items which belong to each component
WebComboStep.WebComboStepItem	Hold Items Details (Item ID, Item Price)
WebComboStepItem.Price	Extra Item Price, this value supposed to be extra added to the total quick combo price
WebComboStepItem.ItemID	Item ID
WebComboStepItem.CompID	Quick Combo Component ID
WebComboStepItem.PromoID	Promotion ID

Ordering Management Set

Using these methods you can easily create, update, and cancel order, also you can inquire for an order, getting historical orders, and pending orders.

UpdateOrder

Create or update an existing order, if the order ID exist in the system, update operation will be applied, otherwise a new order will be created.

```
decimal UpdateOrder(out ServiceResult SDKResult, string licenseCode, string requestID, string language, decimal conceptID, CCheck order, bool autoApprove, bool useBackupStoreIfAvailable, string orderNotes1,string orderNotes2, bool creditCardPaymentbool,bool isSuspended, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The order's concept ID.

- Order: The order information object.

- autoApprove: Whether or not the order will be auto approved and sent to the store directly. If the customer or the address are not verified the ordering engine will still set the order type to "suspended" even if this parameter's value is true.

- useBackupStoreIfAvailable: whether or not a backup store will be used if the main store was not available.

- orderNotes1: Free text field for order notes.

- orderNotes2: Free text field for order notes.

- creditCardPaymentbool: whether or not the order's payment is credit card. If set to true the order type will be set to pending. When the card payment is completed successfully, the order type should be changed to Normal via UpdateOrder() function again.

- isSuspended: Whether or not the order will be created as a suspeneded order. This should be set to true if the order payment is set to Credit Card.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

Return Value:

The order ID, this value is always larger than zero.

CancelOrder

Cancel an existing order.

```
bool CancelOrder(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal orderID, decimal voidReason,string voidRemarks,
bool autoApprove);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- OrderID: The order ID to be cancelled.

- VoidReason: The void reason ID to be registered for order cancelation request.

- voidRemarks: Any remarks on this cancel order operation.

- autoApprove: Whether or not the order will be canceled automatically without manual approval from the call center.

Return Value:

true if the order is canceled successfully, otherwise false.

ChangePaymentMethodToCash

This is used when the credit card payment fails, if the customer chooses to change the payment to cash instead of credit card. Usually when the credit card payment fails the customer is given the choice to cancel the order or change the payment method to cash.

```
bool ChangePaymentMethodToCash(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal conceptID, decimal orderID,
bool autoApprove);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept of the order

- OrderID: The order ID.

- autoApprove: Whether or not the payment method will be changed to cash without a manual approval from the call center.

Return Value:

true if the payment changed successfully, otherwise false.

AddOrderPayment

Add a payment to an order.

```
bool AddOrderPayment(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, decimal orderID, CC_ORDER_PAYMENT
payment, int paymentAuthReasonID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept of the order

- OrderID: The order ID.

- payment: Payment information object.

- paymentAuthReasonID: Payment authorization reason.

Return Value:

true if the payment is added successfully, otherwise false.

ProcessCreditCardPayment

Add or Cancel credit card payment for an order.

```
        bool ProcessCreditCardPayment(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal conceptID, decimal orderID, bool cancelOrder,
int paymentAuthReasonID, int paymentType, int paymentSubType, int paymentStatus,
int paymentTenderID, double amount, string holderName, string cardNumber, string cardCCV,
DateTime cardExpire, string refNumber, string refIp, string refCountry,
string refGateway, int voidReasonID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept of the order

- OrderID: The order ID.

- cancelOrder: whether or not the order is canceled.

- paymentAuthReasonID: Payment authorization reason.

- paymentType: Payment type.

- paymentSubType: Payment subtype.

- paymentStatus: Payment Status.

- paymentTenderID: Payment Store Tender ID.

- Amount: the paid amount for the order.

- holderName: the credit card owner name.

- cardNumber; the credit card number.

- cardCCV: the credit card CCV.

- refGateway: the payment gateway used.

- voidReasonID: Payment gateway cancel order reason.

Return Value:

true if the credit card payment is added successfully, otherwise false.

GetUnprocessedCreditCardOrders

Get list of Order IDs that is paid with credit card and not processed yet (suspended).

```
        List<decimal> GetUnprocessedCreditCardOrders(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept of the order.

Return Value:

The list of unprocessed Order IDs paid by credit cards.

GetOrderDetails

Get full details for a specific order, including items, modifiers, and notes.

```
CCheck GetOrderDetails(out ServiceResult SDKResult, string licenseCode,
string requestID, string language, decimal orderID, decimal menuTemplateID);
```
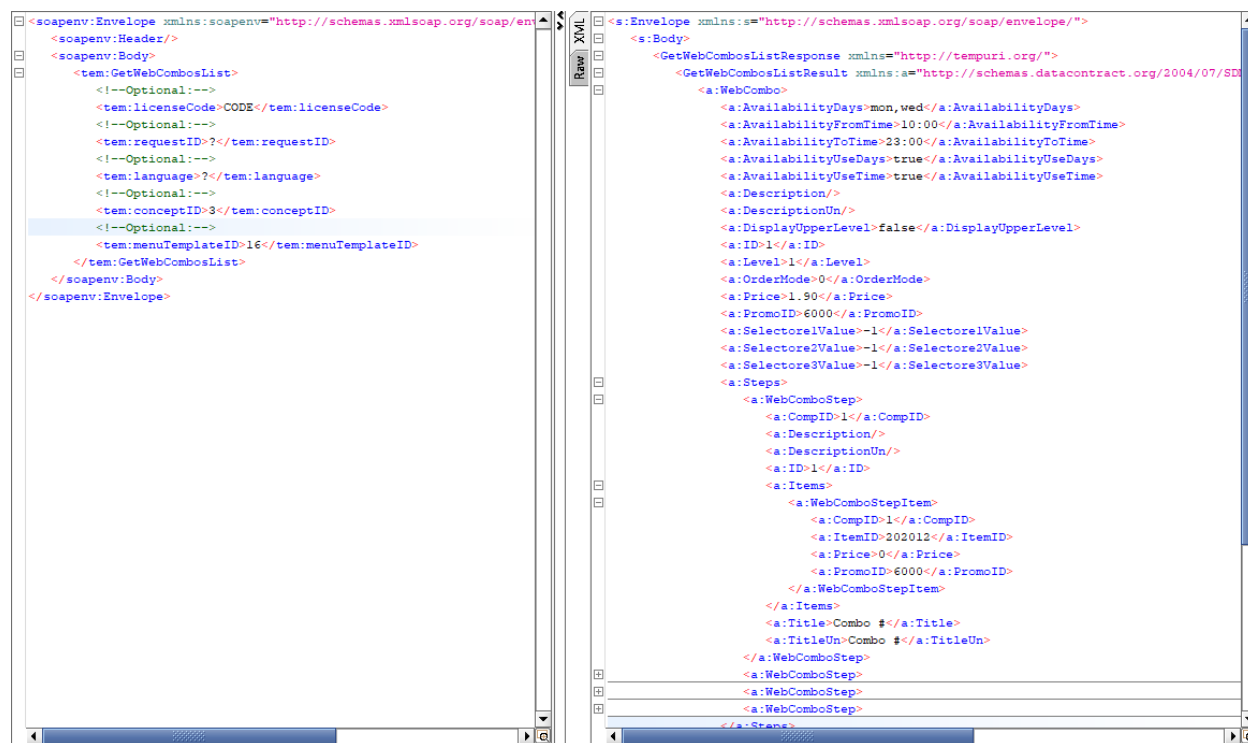
Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept of the order.

- OrderID: The order ID to get the details for.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

Return Value:

The order object for the specified order ID.

GetActiveOrdersList

Return list of all active orders (not closed or canceled) as order header without items and modifiers.

```
List<CCheck> GetActiveOrdersList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal customerID, decimal
addressID, decimal conceptID, int numberOfOrders, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerID: The customer ID for which to get the active orders for.

- AddressID: The address ID to get active orders for.

- ConceptID: The order's concept ID.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

Return Value:

The list of all active orders for the specified customer and concept.

GetHistoryOrdersList
Return list of historical order headers (without items and modifiers).

```
        List<CCheck> GetHistoryOrdersList(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal customerID, decimal
addressID, decimal conceptID, int numberOfOrders, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerID: The customer ID for which to get the history orders for.

- AddressID: The address ID to get active orders for.

- ConceptID: The concept ID of the orders.

- numberOfOrders: The maximum number of orders to retrieve.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

Return Value:

- The list of all history orders for the specified customer and concept.

GetHistoryOrdersListByDate

Return list of historical order headers for the specified date range.

```
        List<CCheck> GetHistoryOrdersListByDate(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, decimal customerID, decimal
conceptID, int numberOfOrders,DateTime fromDate,DateTime toDate, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerID: The customer ID for which to get the history orders for.

- AddressID: The address ID to get active orders for.

- ConceptID: The concept ID of the orders.

- numberOfOrders: The maximum number of orders to retrieve.

- fromDate: Date start range.

- endDate: Date end range.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

Return Value:

The list of all history orders for the specified customer, concept and date range.

GetPrefOrderDetails

Get favorite order details.

```
      CCheck GetPrefOrderDetails(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal orderID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- orderID: The order ID to get the details for.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

Return Value:

- The list of all history orders for the specified customer and concept.

GetPrefOrdersList

Get favorite order list for a specific customer.

```
      List<CCheck> GetPrefOrdersList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal customerID, decimal addressID,
decimal conceptID, int numberOfOrders, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- CustomerID: The customer ID for which to get the history orders for.

- AddressID: for future use (currently is passed as -1).

- ConceptID: The concept ID of the orders.

- numberOfOrders: The maximum number of orders to retrieve.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

<u>Return Value:</u>

The list of favorite orders for the specified customer and concept.

PostPrefOrder

Add an order to the customer's favorite orders for a specific concept.

```
decimal PostPrefOrder(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, CCheck order, decimal menuTemplateID);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the orders.

- order: The order object.

- menuTemplateID: the ID of the menu template that the Items in the order belong to.

<u>Return Value:</u>

The new favorite order ID

DeletePrefOrder

Delete a customer's favorite order.

```
bool DeletePrefOrder(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, decimal prefOrderID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the orders.

- prefOrderID: The order ID to be deleted.

Return Value:

True if the order was deleted successfully, otherwise false.

UpdatePrefOrder

Update a favorite order.

```
bool UpdatePrefOrder(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, decimal prefOrderID, string
prefOrderName);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ConceptID: The concept ID of the orders.

- prefOrderID: The favorit order ID to be updated.

- prefOrderName: The favorit order name.

Return Value:

true if the favorite order was updated successfully, otherwise false.

Other Functions

Miscellaneous functions.

GetCurrentInfo

Return the current DOB and the SDM database server date and time.

List<string> GetCurrentInfo(out ServiceResult SDKResult, string licenseCode, string requestID, string language);

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

Return Value:

The list of the current information.

GetReasonsList

Return a list of the reasons as defined in the SDM for the specified reason type.

List<CC_REASON> GetReasonList(out ServiceResult SDKResult, string licenseCode, string requestID, string language, decimal conceptID, REASON_TYPE reasonType);

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ReasonType: The reason type for which to get the reason list for.

Return Value:

The list of reason objects for the specified reason type

GetExtendedAttributes

Return a list of the extended attribute objects of a specific object type and ID.

```
    List<ExtendedAttribute> GetExtendedAttributes(out ServiceResult SDKResult,
string licenseCode, string requestID, string language, OBJECT_TYPE objectType,
decimal objectID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ReasonType: The reason type for which to get the reason list for.

Return Value:

The list of extended attributes for the specified object type.

UpdateExtendedAttributes

Update a list of extended attributes for a specific object type.

```
    bool UpdateExtendedAttributes(out ServiceResult SDKResult, string
licenseCode, string requestID, string language, OBJECT_TYPE objectType, decimal
objectID, List<ExtendedAttribute> extendedAttributes);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- ReasonType: The reason type for which to get the reason list for.

Return Value:

true if object's extended attributes were updated successfully, otherwise false.

Translation

Translation functions are not used anymore, they are kept for backwards compatibility only.

GetTranslationListPart

Return a range of the defined translations for a specific concept.

```
List<CC_WEB_TRANSLATION> GetTranslationListPart(out ServiceResult SDKResult,
string licenseCode, string requestID, string lang, decimal conceptID, int from, int
to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID for which to get the translation list.

- from: The range start.

- to: The range end.

Return Value:

The list of translation objects.

GetTranslationListCount

Return the number of the defined translations for a specific concept.

```
int GetTranslationListCount(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID for which to get the number of translation objects.

Return Value:

The number of translation objects.

Web Dimension

Web dimension functions are used to identify pizza items. Each dimension contains a list of attributes to describe a pizza item (i.e. the Crust dimension contains Pan, Thin, Cheesy …etc.). The dimensions intersect to form the web grid. Each web grid cell points to an existing item in the Menu.

GetWebDimensionListPart

Return a range of the defined web dimensions list for a specific concept.

```
List<CC_WEB_DIM> GetWebDimensionListPart(out ServiceResult SDKResult, string licenseCode, string requestID, string lang, decimal conceptID, int from, int to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID for which to get the web dimension list.

- from: The range start.

- to: The range end.

Return Value:

The list of web dimensions objects.

GetWebDimensionListCount

Return the number of the defined web dimensions for a specific concept.

```
int GetWebDimensionListCount(out ServiceResult SDKResult, string licenseCode, string requestID, string lang, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID for which to get the number of web dimension objects.

Return Value:

The number of web dimension objects.

Web Grid

This function set retrieves web grid information for the defined dimensions. The web grid is used only for Pizza items.

GetWebGridListPart

Return a range of the defined web grids list for a specific concept.

```
    List<CC_WEB_GRID> GetWebGridListPart(out ServiceResult SDKResult, string licenseCode, string requestID, string lang, decimal conceptID, int from, int to);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID for which to get the web grid list.

- from: The range start.

- to: The range end.

Return Value:

The list of web grid objects.

GetWebGridListCount

Return the number of the defined web grids for a specific concept.

```
    int GetWebGridListCount(out ServiceResult SDKResult, string licenseCode, string requestID, string lang, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID for which to get the number of web grid objects.

Return Value:

The number of web grid objects.

Virtual Groups

This function set retrieves web virtual groups information.

GetVirtualSelectors

Retrieve list of virtual selectors for the specified menu template in the specified concept.

```
List<CC_WEB_VSELECTOR> GetVirtualSelectors(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- menuTemplateID: the ID of the menu template that the virtual selectors belong to.

Return Value:

The list of Virtual Selector objects for the specified menu template in the specified concept.

GetVirtualGroups

Retrieve list of virtual groups for the specified menu template in the specified concept.

```
List<CC_WEB_VGROUP> GetVirtualGroups(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- menuTemplateID: the ID of the menu template that the virtual groups belong to.

Return Value:

The list of Virtual Group objects for the specified menu template in the specified concept.

Web Deals

This function set retrieves web deals information.

GetWebDeals

Retrieve list of web deals for the specified menu template in the specified concept.

```
List<CC_WEB_DEAL> GetWebDeals(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- menuTemplateID: the ID of the menu template that the web deals belong to.

<u>Return Value:</u>

The list of web deals objects for the specified menu template in the specified concept.

GetWebDealSteps

Retrieve list of web deal steps for the specified menu template in the specified concept.

```
List<CC_WEB_DEAL_STEP> GetWebDealSteps(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal conceptID, decimal menuTemplateID);
```

<u>Parameters:</u>

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- Language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- menuTemplateID: the ID of the menu template that the web deal steps belong to.

<u>Return Value:</u>

The list of web deal step objects for the specified menu template in the specified concept.

Favorite Items

This function set allows you to get, add or delete the customer's favorite items.

GetFaveItemsList

Retrieve list of the web customer's favorite Items for the specified menu template in the specified concept.

```
        List<SDM_SDK.CEntry> GetFaveItemsList(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal customerID, decimal conceptID,
decimal menuTemplateID, int numberOfItems);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- customerID: the Customer ID.

- conceptID: The concept ID.

- menuTemplateID: the ID of the menu template that the web favorite Items belong to.

- numberOfItems: the number of favorite items to retrieve, 0 to retrieve the full list, else to retrieve specific number of rows.

Return Value:

The list of the Check Entry objects for the customer's favorite items in the specified menu template in the specified concept.

PostFaveItem

Add an item to the customer's favorite items for a specific menu template in a specific concept.

```
    decimal PostFaveItem(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, SDM_SDK.CEntry entry, decimal
menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- entry: the favorite item entry to add.

- menuTemplateID: the ID of the menu template that the web favorite Items belong to.

Return Value:

The ID of the entry parameter (bigger than 0) if the favorite item is added succesfully, or -1 if not added.

DeleteFaveItem

Delete a customer's favorite item for a specified menu template in a specified concept.

```
    bool DeleteFaveItem(out ServiceResult SDKResult, string licenseCode, string
requestID, string language, decimal conceptID, decimal FaveItemID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- language: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- FaveItemID: the favorite Item ID to be deleted.

Return Value:

True if the favorite item is deleted successfully, otherwise false.

Questionnaire

This function set allows you to get the list of the defined web questionnaires and post users' answers for each questionnaire.

GetQuestionnaire

Retrieve list of the web questionnaire for the specified concept.

```
List<CC_WEB_QSTNR> GetQuestionnaire(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal conceptID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

Return Value:

The list of the web questionnaire objects for the specified concept.

SubmitQuestionnaireResult

Submit the customer's answers of a questionnaire for a specified concept.

```
bool SubmitQuestionnaireResult(out ServiceResult SDKResult, string licenseCode,
string requestID, string lang, CC_WEB_QSTNR_RESULT qstnResult);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- qstnResult: The questionnaire result object.

Return Value:

True if the questionnaire result is submitted successfully, otherwise false.

Privacy Statement

This function set allows you to get the list of the defined Privacy Statement per Concept and get or set customer privacy statement acceptance.

GetPrivacyStatement

Provides the privacy statement definition by concept

```
public PrivacyStatement GetPrivacyStatement(out ServiceResult SDKResult, string
licenseCode, decimal conceptID)
```

Paramters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- conceptID: Concept Id.

Return Value:

PrivacyStatement

PrivacyStatement class:

PrivacyStatement	
LastChange	Last modified time (Datetime)
List<PrivacyStatementSection>	List of privacy statement sections

PrivacyStatementSection class:

PrivacyStatementSection	
Title	Section Title
TitleUN	Alternative Section Title (Other language)
Content	Section Content
ContentUN	Alternative Section Content

SetCustomerPrivacyStatementAcceptance

Allows to store the Privacy Statement acceptance of the customer by concept

```
public bool SetCustomerPrivacyStatementAcceptance(out ServiceResult SDKResult, string
licenseCode, decimal conceptID, decimal customerID)
```

Paramters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- conceptID: Concept Id.

- customerID: Customer Id

Return Value:

- True if the customer privacy statement is accepted successfully, otherwise false.

GetCustomerPrivacyStatementAcceptance

Returns the privacy statement acceptance status of the customer by concept

```
public bool GetCustomerPrivacyStatementAcceptance(out ServiceResult SDKResult, string
licenseCode, decimal conceptID, decimal customerID)
```

Paramters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- conceptID: Concept Id.

- customerID: Customer Id

Return Value:

- True if the customer accepted the privacy statement for specific concept, otherwise false.

Consent Form

This function set allows you to get the list of the defined Concents per Concept and set or get customer's concent selections per Concept

GetConsents

Provides the list of consent options by concept

```
public List<Consent> GetConsents(out ServiceResult SDKResult, string licenseCode, decimal
conceptID)
```

Paramters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- conceptID: Concept Id.

Return Value:

List of Consent

Consent class:

Consent	
ID	Consent definition ID
Title	Title
TitleUn	Title (Other language)

SetCustomerConsents

Set consent preferences of a customer.

`public bool SetCustomerConsents(out ServiceResult SDKResult, string licenseCode, decimal conceptID, decimal customerID, CustomerConsent[] consents)`

Paramters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- conceptID: Concept Id.

- customerID: Customer Id.

- consents: List of customer's consent

CustomerConsent class:

CustomerConsent	
ConsentID	Consent definition ID
ConceptID	Concept definition ID
Accepted	True/False indicate if the consent was accepted by the customer
LastAcceptTime	Accepting date
LastRejectTime	Rejection date

Return Value:

True if the customer contents are submitted successfully, otherwise false.

GetCustomerConsents

Returns consent preferences of a customer.

`public List<CustomerConsent> GetCustomerConsents(out ServiceResult SDKResult, string licenseCode, decimal conceptID, decimal customerID)`

Paramters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- conceptID: Concept Id.

- customerID: Customer Id.

Return Value:

List of customer's consent.

CustomerConsent class:

CustomerConsent	
ConsentID	Consent definition ID
ConceptID	Concept definition ID
Accepted	True/False indicate if the consent was accepted by the customer
LastAcceptTime	Accepting date
LastRejectTime	Rejection date

Item Builder

Contains one function to retrieve the list of web item builders.

GetItemBuilders

Retrieve list of the web Item Builders for the specified menu template in the specified concept.

```
        List<CC_WEB_ITEM_BUILDER> GetItemBuilders(out ServiceResult SDKResult, string
licenseCode, string requestID, string lang, decimal conceptID, decimal menuTemplateID);
```

Parameters:

- SDKResult: The service execution result object. Contains the execution result information (Success or Failure) and provides errors details like error code and description.

- LicenseCode: The registered license code of the client application.

- RequestID: The request ID for the purpose of tracking the request. It appears in the SDM Ordering log (if logging is enabled).

- lang: The language short codes like "En", "Th" or "Ar", which will be used to determine the returned data language (For future use).

- conceptID: The concept ID.

- menuTemplateID: the ID of the menu template that the item builders belong to.

Return Value:

The list of the web item builder objects for the specified menu template in the specified concept.

SDM Web Ordering Object Dictionary

Legend
- **<u>Bolded Underscored</u>**: This field is mandatory when adding new object (otherwise it's optional).
- *Italic*: This is a referential field (It contains the ID of another object).

ServiceResult
This class represents a service method result.

Name	Type	Description
ResultCode	Int	Result Code -2 = External Data Error -1 = External Error 0 = Success … (see Result Code section for more details)
ExternalCode	Int	If Result Code is External Error or External Data Error this field contains the external error code.
ResultText	String	Textual description of the Error.

CC_SYSPARAMS
This entity represents the system parameters which would be used

Name	Type	Description
PARM_ID	String	Parameter name (unique)
PARM_VALUE	String	Parameter value
PARM_CAPTION	String	Parameter display caption
PARM_DESC	String	Parameter description and comments

CC_WEB_SYSPARAMS
This entity represents the web system parameters which would be used

Name	Type	Description
PARM_ID	String	Web parameter name (unique)
PARM_CONCEPTID	Decimal	Parameter concept ID
PARM_VALUE	String	Web parameter value
PARM_CAPTION	String	Web parameter display caption
PARM_DESC	String	Web parameter description and comment

CC_WEB_CUSTOM_PARAMS
This entity represents the web custom parameters which would be used

Name	Type	Description
CPRM_CONCEPTID	Decimal	Web Custom Parameter concept ID
CPRM_NAME	String	Web Custom Parameter Name
CPRM_VALUE	String	Web Custom parameter value

CC_CUSTOMER
Global Customer Definition

Name	Type	Description
CUST_ID	Decimal	Customer ID *[Auto Generated]*
USERNAME	String	Username for this customer to access web account
PASSWORD	String	Password for this account to access web account
CUST_TITLE	Decimal	Customer title
CUST_FIRSTNAME	String	First name
CUST_FIRSTNAMEUN	String	First name second language
CUST_MIDNAME	String	Mid name
CUST_MIDNAMEUN	String	Mid Name second language
CUST_LASTNAME	String	Last name
CUST_LASTNAMEUN	String	Last name second language
CUST_GENDER	GENDER	None → -1 Female → 0 Male → 1
CUST_MARITALSTATUS	MARITAL_STATU	None → -1 Single → 0 Married → 1 Divorced → 2
CUST_NATID	Decimal	Customer nationality ID
CUST_DATEOFBIRHT	Date Time	Date of birth
CUST_DEPENDENTS	Decimal	Family dependents
CUST_CORPID	String	Registration number
CUST_EMAIL	String	Email
CUST_PHONELOOKUP	String	Read only, Area code + phone number
CUST_PHONEEXTENSTION	String	Phone extension
CUST_PHONENUMBER	String	Phone number (without Area code)

CUST_PHONEAREACODE	String	Phone Area code
CUST_COMPANY	String	Company name
CUST_COMPANYUN	String	Company second language
CUST_DATEADDED	Date Time	Date added to SDM system *[Auto Generated]*
CUST_OCCUPATION	String	Customer occupation
CUST_OCCUPATIONUN		Occupation second language
CUST_USERDATA1	String	User data1
CUST_USERDATA1UN	String	User data1
CUST_USERDATA2	String	User data2
CUST_USERDATA2UN	String	User data2
CUST_CARDNUMBER	String	Customer card number
CUST_CLASSID	Decimal	Customer class ID
CRT_DATE	Date Time	Creation time *[Auto Generated]*
CRT_BYUSER	String	Person who create this customer *[Auto Generated]*
UPT_DATE	Date Time	Last update time *[Auto Generated]*
UPT_BYUSER	String	Person who made the last update *[Auto Generated]*
CUST_PHONETYPE	Integer	Home → 0 Office → 1 Mobile → 2
CUST_PHONECOUNTRYCODE	String	Country code
CUST_PREFERRED_LANGUAGE	String	Preferred language for the customer "E" or "A" or "TH"…
WCUST_FIRSTNAME	String	Web First Name
WCUST_MIDNAME	String	Web Middle Name
WCUST_LASTNAME	String	Web Last Name
WEB_CRT_DATE	Date Time	Web account creation time *[Auto Generated]*
WEB_CRT_BY	String	Person who create the we account *[Auto Generated]*

WEB_UPT_DATE	Date Time	Last update for web account *[Auto Generated]*
WEB_UPT_BY	String	Person who made the last update for web account *[Auto Generated]*
WCUST_CORPID	String	Web registration ID
WCUST_STATUS	WEB_CUSTOMER_STATUS	Pending = 1 Active = 2 Inactive = 3 Verfied = 4
WCUST_TOKEN	String	A unique token string (i.e. GUID)
WCUST_TOKEN_DATE	DateTime	Current Date
WCUST_ACTIVE_DATE	DateTime	Web Activation Date
CUST_NOTIFICATION_MOBILE	String	Not used, see the Settings member below.
WCUST_OFFER1	Int	Special offer subscription1 (I would like to receive news … etc)
WCUST_OFFER2	Int	Special offer subscription2 (I would like to receive news … etc)
Settings	List (CC_CUSTOMER_SETTINGS)	A list of customer settings objects. Current Settings include: - SMSMobileNumber - NotifyNewOrderSMS - NotifyNewOrderEMail - NotifyApproveOrderSMS - NotifyApproveOrderEMail - NotifyCancelOrderSMS - NotifyCancelOrderEMail
Addresses	List (CC_ADDRESS)	List of all customer profiles
WCUST_SEC_QUESTION	Int	The customer's account security question ID. Used to restore the account password.

| WCUST_SEC_ANSWER | String | The answer entered by the user for the security question. |
| WCUST_IS_GUEST | Boolean | Whether the customer is a guest or a web registered user. |

CC_ADDRESS

Customer Address Profile

Name	Type	Description
ADDR_ID	Decimal	Address ID *[Auto Generated]*
ADDR_CUSTID	Decimal	Customer ID
ADDR_COUNTRYID	Decimal	Country ID
ADDR_PROVINCEID	Decimal	Province ID
ADDR_CITYID	Decimal	City ID
ADDR_DISTRICTID	Decimal	District ID
ADDR_STREETID	Decimal	Street ID
ADDR_AREAID	Decimal	Area ID
ADDR_CLASSID	Decimal	Address class ID
ADDR_POSTALCODE	String	Postal code for this address
ADDR_BLDGNUM	String	Building number
ADDR_FLATNUM	String	Flat number
ADDR_FLOOR	String	Floor
ADDR_BLDGNAME	String	Building name
ADDR_COUNTY	String	County
ADDR_SKETCH	String	General direction for this profile
ADDR_DESC	String	Description
ADDR_PHONELOOKUP	String	Read only field, Area code + phone number
ADDR_PHONEEXTENSION	String	Phone extension
ADDR_PHONENUMBER	String	Phone number (without Area code)
ADDR_PHONEAREACODE	String	Phone Area code
ADDR_PHONETYPE	Integer	Home → 0 Office → 1 Mobile → 2
ADDR_PHONECOUNTRYCODE	String	Country code
WADDR_NAME	String	Web profile name
WADDR_DESC	String	Web profile description
WADDR_STATUS	Int	Web Status - UNVERIFIED = 1 - VERIFIED=2
WADDR_TYPE	Decimal	Web Type

WADDR_COUNTRYID	Decimal	Web Country
WADDR_PROVINCEID	Decimal	Web Province
WADDR_CITYID	Decimal	Web City
WADDR_DISTRICTID	Decimal	Web District
WADDR_STREETID	Decimal	Web Street
WADDR_AREAID	Decimal	Web Area
WADDR_DISTRICT_TEXT	String	Web District Text
WADDR_SUBDISTRICT_TEXT	String	Web Sub District Text
WADDR_STREET_TEXT	String	Web Street Text
WADDR_AREA_TEXT	String	Web Area Text
WADDR_BUILD_NUM	String	Web Building Number
WADDR_BUILD_NAME	String	Web Building Name
WADDR_BUILD_TYPE	Decimal	Web Building Type
WADDR_POSTAL_CODE	String	Web Postal Code
WADDR_DIRECTIONS	String	Web Directions
WADDR_NOTES	String	Web Notes
WADDR_CONCEPTID	Decimal	Web Concept ID
ADDR_MAPCODE	GPoint	Map Code
ADDR_LANGUAGE_PREFERENCE	String	Preferred profile language "1", "2"
WADDR_IS_GUEST	Boolean	Whether the address is for a guest address or not.
ADDR_EXPIRY_DATE	DateTime	The expiry date of the address if the customer is a guest.
WADDR_MNUID	Decimal	The menu template ID of the store assigned to this address.
ADDR_DELETEDATE	DateTime	The delete date of the address. Currently not used.
ADDR_ISHIDE	Int	Whether the address is hidden from the user interface or not. 0 → false 1 → true This is mainly used when deleting an address from the web. If the address was used to place an order, it cannot be deleted and therefore it is marked as hidden.
Details	List (CC_ADDRESS_STORE_DETAILS)	List of store related profiles Can be passed as an empty object (-1 for the storeID and -1 for the zone ID, and the default concept ID)
Phones	List (CC_CUSTOMER_PHONE)	List of Customer phones

	Date Time	Date Created
CRT_DATE	Date Time	Date Created
CRT_BYUSER	String	Created By
UPT_DATE	Date Time	Date Updated
UPT_BYUSER	String	Updated By

CC_ADDRESS_STORE_DETAILS

Address Profile Detail by concept and by store

Name	Type	Description
ADDRS_CUSTID	Decimal	Customer ID
ADDRS_ADDRID	Decimal	Address ID
ADDRS_CONCEPTID	Decimal	Concept ID
ADDRS_STRID	Decimal	Store ID which will serve this profile
ADDRS_CARDNUMBER	String	Address store related profile registration number
ADDRS_SKETCH	String	Sketch which the driver will follow it to deliver orders to this customer
ADDRS_EXTRA1	String	Extra information 1
ADDRS_EXTRA2	String	Extra information 2
ADDRS_EXTRA3	String	Extra information 3
ADDRS_DLVINSTRUCTIONS1	String	Delivery instruction 1
ADDRS_DLVINSTRUCTIONS2	String	Delivery instruction 2
ADDRS_DLVINSTRUCTIONS3	String	Delivery instruction 3
ADDRS_DLVINSTRUCTIONS4	String	Delivery instruction 4
ADDRS_USERDATA1	String	User data 1
ADDRS_USERDATA2	String	User data 2
CRT_DATE	Date Time	Create date time *[Auto Generated]*
CRT_BYUSER	String	Person who create this profile *[Auto Generated]*
UPT_DATE	Date Time	Last update date time *[Auto Generated]*
UPT_BYUSER	String	Latest person who update this profile *[Auto Generated]*
ADDRS_ZONEID	Decimal	
ADDRS_DATEADDED	Date Time	Store added date time *[Auto Generated]*

CC_CUSTOMER_PHONE

Customer Phone Numbers

Name	Type	Description
PHONE_ID	Decimal	Phone ID [Auto Generated]
PHONE_CUSTID	Decimal	Customer ID
PHONE_ADDRID	Decimal	Customer address profile ID
PHONE_NUMBER	String	Phone number without Area code
PHONE_EXT	String	Phone extension
PHONE_ISDEFAULT	Char	'T' to set this phone as default for this customer, otherwise 'F'
PHONE_TYPE	Integer	Phone type Home → 0 Office → 1 Mobile → 2
PHONE_AREACODE	String	Phone Area code
PHONE_LOOKUP	String	Phone lookup which consists of Area code + Phone number
PHONE_COUNTRYCODE	String	Country code like 001 (US)
CRT_DATE	Date Time	Create date time [Auto Generated]
CRT_BYUSER	String	Person who create this phone [Auto Generated]
UPT_DATE	Date Time	Last update date time [Auto Generated]
UPT_BYUSER	String	Latest person who update this phone [Auto Generated]

CC_WEB_ADDRESS_TYPE

Web address type entity

Name	Type	Description
TYPE_ID	Decimal	Country ID [Auto Generated]
TYPE_CUST_CLASSID	Decimal	
TYPE_ADDR_CLASSID	Decimal	
TYPE_NAME	String	Type Name
TYPE_NAMEUN	String	Type Name 2
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_BUILD_TYPE

Web building type entity

Name	Type	Description
BTYPE_ID	Decimal	Building Type ID *[Auto Generated]*
BTYPE_NAME	String	Type Name
BTYPE_NAMEUN	String	Type Name 2
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_COUNTRY

Country is the root level of the physical address location hierarchy, each country contains multiple provinces.

Name	Type	Description
CNT_ID	Decimal	Country ID *[Auto Generated]*
CNT_NAME	String	Country name
CNT_NAMEUN	String	Country name 2
CNT_CODE	String	Country short code, like USA, SA, TH

CC_WEB_COUNTRY

Country is the root level of the physical address location hierarchy, each country contains multiple provinces.

Name	Type	Description
CNT_ID	Decimal	Country ID *[Auto Generated]*
CNT_NAME	String	Country name
CNT_NAMEUN	String	Country name 2
CNT_ACTIVE	Int	Is country active on the web or not

CC_PROVINCE

Province is the second level of the physical address location hierarchy, each province contains multiple cities.

Name	Type	Description
PRO_ID	Decimal	Province ID *[Auto Generated]*
PRO_NAME	String	Province name
PRO_NAMEUN	String	Province name 2
PRO_CNTID	Decimal	Country ID
PRO_CODE	String	Province short code

CC_WEB_PROVINCE

Province is the second level of the physical address location hierarchy, each province contains multiple cities.

Name	Type	Description
PRO_ID	Decimal	Province ID [Auto Generated]
PRO_NAME	String	Province name
PRO_NAMEUN	String	Province name 2
PRO_CNTID	Decimal	Country ID
PRO_ACTIVE	Int	Is province active on the web or not

CC_CITY

City is the third level of the physical address location hierarchy, each city holds multiple districts, multiple streets and multiple delivery areas.

Name	Type	Description
CTY_ID	Decimal	City ID [Auto Generated]
CTY_NAME	String	City name
CTY_NAMEUN	String	City name 2
CTY_CNTID	Decimal	Country ID
CTY_PROVINCEID	Decimal	Province ID
CTY_CODE	String	City short code

CC_WEB_CITY

City is the third level of the physical address location hierarchy, each city holds multiple districts, multiple streets and multiple delivery areas.

Name	Type	Description
CTY_ID	Decimal	City ID [Auto Generated]
CTY_NAME	String	City name
CTY_NAMEUN	String	City name 2
CTY_CNTID	Decimal	Country ID
CTY_PROVINCEID	Decimal	Province ID
CTY_ACTIVE	Int	Is city active on the web or not

CC_STREET

Represents the street entity and sub-streets which are related to multiple districts and multiple delivery areas.

Name	Type	Description
STRET_ID	Decimal	Street ID [Auto Generated]
STRET_CNTID	Decimal	Country ID
STRET_PROVINCEID	Decimal	Province ID
STRET_CTYID	Decimal	City ID
STRET_NAME	String	Street name
STRET_NAMEUN	String	Street name 2
STRET_ALT_NAME	String	Street alternative name
STRET_ALT_NAMEUN	String	Street alternative name 2

STRET_NUMBER	String	Street number
STRET_REMARKS	String	Street remarks
STRET_REMARKSUN	String	Street remarks 2

CC_WEB_STREET

Represents the street entity and sub-streets which are related to multiple districts and multiple delivery areas.

Name	Type	Description
STRET_ID	Decimal	Street ID *[Auto Generated]*
STRET_CNTID	Decimal	Country ID
STRET_PROVINCEID	Decimal	Province ID
STRET_CTYID	Decimal	City ID
STRET_NAME	String	Street name
STRET_NAMEUN	String	Street name 2
STRET_NUMBER	String	Street number
STRET_ACTIVE	Int	Is street active on the web or not

CC_DISTRICT

Represents the district entity.

Name	Type	Description
DIS_ID	Decimal	District ID *[Auto Generated]*
DIS_COUNTRYID	Decimal	Country ID
DIS_PROVINCEID	Decimal	Province ID
DIS_CITYID	Decimal	City ID
DIS_NAME	String	District name
DIS_NAMEUN	String	District name 2
DIS_ALT_NAME	String	District alternative name
DIS_ALT_NAMEUN	String	District alternative name 2

CC_WEB_DISTRICT

Represents the web district entity.

Name	Type	Description
DIS_ID	Decimal	District ID *[Auto Generated]*
DIS_COUNTRYID	Decimal	Country ID
DIS_PROVINCEID	Decimal	Province ID
DIS_CITYID	Decimal	City ID
DIS_NAME	String	District name
DIS_NAMEUN	String	District name 2
DIS_ACTIVE	Int	Is district active on the web or not

CC_AREA

The smallest physical spot which identify the customer address, the delivery area is linked to streets, districts stores and store zones.

By identifying the location area the system would be able to identify the various stores and concepts which can serve that location.

Name	Type	Description
AREA_ID	Decimal	Area ID *[Auto Generated]*
AREA_COUNTRYID	Decimal	Country ID
AREA_PROVINCEID	Decimal	Province ID
AREA_CITYID	Decimal	City ID
AREA_NAME	String	Area name
AREA_DESC	String	Area description
AREA_DEF_STREETID	Decimal	Default Street ID
AREA_DEF_DISTRICTID	Decimal	Default District ID
AREA_CODE	String	Area code

CC_WEB_AREA

Represents the web area entity.

Name	Type	Description
AREA_ID	Decimal	Area ID *[Auto Generated]*
AREA_COUNTRYID	Decimal	Country ID
AREA_PROVINCEID	Decimal	Province ID
AREA_CITYID	Decimal	City ID
AREA_NAME	String	Area name
AREA_NAMEUN	String	Area name 2
AREA_ACTIVE	Int	Is area active on the web or not
AREA_DEF_STREETID	Decimal	Default Street ID
AREA_DEF_DISTRICTID	Decimal	Default District ID

CC_DLVZONE

Delivery Zone - sometime called as POD – is how the stores trading area is devided and composed of, it is heavily used for marketing analysis related to store's trading area, covers, available households, customer topographical distribution..etc.

Name	Type	Description
ZON_ID	Decimal	Zone ID *[Auto Generated]*

ZON_STOREID	Decimal	Store ID
ZON_CODE	String	Zone code
ZON_REMARKS	String	Comments
ZON_MAP_LOCATION	String	Map coordinates
ZON_DEF_DIRECTION	String	Default direction based on store location
ZON_MAP	String	Zone Area
ZON_ENTRYPOINT	String	Main entry point for this zone
ZON_DRIVING_DISTANCE	Decimal	Driving distance
ZON_DIVING_PERIOD	Decimal	Driving period (minutes)
ZON_STATUS	String	Zone status
ZON_PRIMARY_BACKUP_STORE	Decimal	Primary store ID
ZON_SECONDARY1_BACKUP_STORE	Decimal	Backup 1 store ID
ZON_SECONDARY2_BACKUP_STORE	Decimal	Backup 2 store ID
ZON_AVAILABLE_HOUSE_HOLD	Decimal	Number of houses in this zone
ZON_LATITUDE	String	Map latitude coordinate
ZON_LONGITUDE	String	Map longitude coordinate

CC_CUSTOMER_CLASS

Customer Classification (i.e. Individual, Enterprise, Hotel, …etc) which is assigned to the customer global profile.

Name	Type	Description
CLSS_ID	Decimal	Customer class ID *[Auto Generated]*
CLSS_NAME	String	Customer class name
CLSS_DEFAULT_ADDRCLSS	Decimal	Default address class ID

CC_ADDRESS_CLASS

Customer Address Profile Classification (i.e. Home, Office, Hotel, …etc) which is assigned to customer address profile.

Name	Type	Description
CLSS_ID	Decimal	Address class ID *[Auto Generated]*

CLSS_NAME	String	Address class name

CC_NATIONALITY
Customer Nationality.

Name	Type	Description
NAT_ID	Decimal	Nationality ID *[Auto Generated]*
NAT_NAME	String	Nationality name
NAT_NAMEUN	String	Nationality name details / Unicode

CC_CUSTOMER_LANGUAGE
Customer Preferred Communication Language

Name	Type	Description
LANG_ID	Decimal	Language ID *[Auto Generated]*
LANG_NAME	String	Language name
LANG_CODE	String	Language code like 'E', 'A', …

CC_CUSTOMER_TITLES
Customer Title i.e. Mrs. Mr. Miss. Dr. …etc

Name	Type	Description
TIT_ID	Decimal	Title ID *[Auto Generated]*
TIT_NAME	String	Title name
TIT_NAMEUN	String	Title name details / Unicode
TIT_GENDER	Integer	-1 → None 0 → Female 1 → Male

CC_CONCEPT
The multiple brands and concepts which are configured into the system and would be served by the solution.

Name	Type	Description
CON_ID	Decimal	Concept ID *[Auto Generated]*
CON_NAME	String	Concept name
CON_NAMEUN	String	Concept name 2
CON_DESC	String	Concept description
CON_DESCUN	String	Concept description 2
CON_DATA_FOLDER	String	Date folder for the last sync from Aloha
CON_WH_STARTTIME	Date Time	Working hours start time
CON_WH_ENDTIME	Date Time	Working hours end time
CON_BACKUP_OWH_STATUS	Decimal	

CON_WH_NEXT_DAY	Integer	Is working hours for next day
DATA_IN_SPACE	String	
MenuTemplates	Dictionary (decimal, CC_MENU _TEMPLAT ES)	Dictionary of menu templates hashed by menu template ID

CC_WEB_DIM

Pizza items dimension entity

Name	Type	Description
DIM_ID	Decimal	Dimension ID
DIM_CONCEPTID	Decimal	Concept ID
DIM_NAME	String	Dimension Name
DIM_NAMEUN	String	Dimension Name 2
DIM_QUESTION	String	Question
DIM_QUESTIONUN	String	Question 2
DIM_DESC	String	Description
DIM_DESCUN	String	Description 2
Elements	List<CC_WEB_DIM_ELEMENT>	Dimension Elements
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_DIM_ELEMENT

Pizza items dimension element entity

Name	Type	Description
DIME_ID	Decimal	Dimension Element ID
DIME_DIMID	Decimal	Dimension ID
DIME_CONCEPTID	Decimal	Concept ID
DIME_INDEX	Int	Index
DIME_IMAGEFILENA ME	String	Image File Name
DIME_NAME	String	Element Name
DIME_NAMEUN	String	Element Name 2
CRT_BY	String	Created By
CRT_DATE	Date Time	Date Created
UPT_BY	String	Updated By
UPT_DATE	Date Time	Date Updated

CC_WEB_GRID

Pizza items Web Grid entity

Name	Type	Description
GRD_CONCEPTID	Decimal	Concept ID
GRD_DIMX_ID	Decimal	First Dimension ID
GRD_DIMY_ID	Decimal	Second Dimension ID
GRD_ELEMENTX_ID	Decimal	First Element ID
GRD_ELEMENTY_ID	Decimal	Second Element ID
GRD_ITEMID	Int	Item ID

CC_MENU_TEMPLATE

Menu Template is the menu layout which is defined to be utilized into the ordering cycle.

Menu Template is related to specific concept and holds all ordering details including:

- Sub menus

- Menu Item Categories

- Menu Items

- Modifier Groups

- Pricing information

Name	Type	Description
MENU_ID	Decimal	Menu template ID *[Auto Generated]*
MENU_NAME	String	Menu template name
MENU_SCHEME	String	Menu template scheme (for SDM Ordering Style)
MENU_TYPE	Decimal	QS or TS
MENU_CONCEPTID	Decimal	Assigned concept ID
Extend	Dictionary<String,String>	Configurations for menu template. Currently the list has 3 attributes: - Pizzacat: Pizza items category. - pizzahalf1: Modifier item for left half. - pizzahalf2: Modifier item for right half. - pizza_portion_pricing: PIZZA PRICING Enum - pizza_percent_amt: - currencydigits: Currency Digits
Menus	Dictionary<Integer, CMenu>	Menus assigned to this menu template (hashed by menu ID)
Submenus	Dictionary<int, CSubmenu>	SubMenus assigned to this menu template
PizzaModgroups	List<int>	Pizza Modifier Groups
VirtualSelectors	Dictionary<int,	The Virtual selectors of this menu template

	CC_WEB_VSELECTO R>	
VirtualGroups	Dictionary<int, CC_WEB_VGROUP>	The Virtual groups of this menu
WebDeals	Dictionary<int, CC_WEB_DEAL>	The Web Deals of this menu template.
WebDealSteps	Dictionary<int, CC_WEB_DEAL_STE P>	The Web Deals Steps of this menu template.
WebItemBuilders	Dictionary<int, CC_WEB_ITEM_BUIL DER>	The Item builders of this menu.
MenuTransactions	List<PSOrderingDO M.TransactionOrderi ngDatabase>	The Menu Transactions of this menu

CC_STORE

Store is the restaurant outlet which is connecting to the SDM solution and would be accepting the order and processing the order and delivery process.

Each store is linked to one concept only, however same customer address profile could be server by multiple locations from different concepts.

Name	Type	Description
STR_ID	Decimal	Store ID *[Auto Generated]*
STR_CONCEPTID	Decimal	Store concept ID
STR_NAME	String	Store name
STR_DOB	String	Store date of business
STR_PHONE1	String	Store phone 1
STR_PHONE2	String	Store phone 2
STR_MENU_ID	Decimal	Menu template ID
STR_STATUS	Integer	Store status
STR_STARTUP_SCREEN	Integer	Startup menu screen
STR_CALLCENTERNOTE	String	Call center note (set from SDM Dashboard)
STR_STORENOTE	String	Store note (set from SDM Client Manager)
STR_NUM	String	Store number
STR_PROMISETIME	Decimal	Promise time (minutes)
STR_ADDRESS	String	Store address and location
STR_DELIVERYMODE	Boolean	Allow delivery mode
STR_CALLINMODE	Boolean	Allow take away mode
STR_WALKINMODE	Boolean	Allow walk in mode
STR_DELIVERYISFIXED	Boolean	Is delivery charge is fixed or percent
STR_CALLINISFIXED	Boolean	Is take away charge is fixed or percent

STR_WALKINISFIXED	Boolean	Is walk in charge is fixed or percent
STR_DELIVERYAMOUNT	Double	Delivery charge amount
STR_CALLINAMOUNT	Double	Take away charge amount
STR_WALKINAMOUNT	Double	Walk in charge amount
STR_TIMEDIFFERENCE	Decimal	Time difference (minutes) between store and CSC
STR_WEB_OFFER_CONTENT	String	
STR_WEB_OFFER_CONTENT_UN	String	
STR_SERVICES	String	
STR_SERVICES_UN	String	
STR_WEB_MNUID	Decimal	The Web Menu ID.
STR_META_TITLE	String	
STR_META_TITLE_UN	String	
STR_META_DESC	String	
STR_META_DESC_UN	String	
STR_META_KEYS	String	
STR_META_KEYS_UN	String	

CC_STORE_AREA

The store area entity

Name	Type	Description
STR_ID	Decimal	Store ID
STR_CONCEPTID	Decimal	Concept ID
STR_AREAID	Decimal	Area ID
STR_ISDEFAULT	Int	Is store default for this area
STR_MAP_LOCATION	String	Map Location
STR_DEF_ZONEID	Decimal	Store's Default Zone within the area

CC_WEB_STORE_GROUP_DEF

The web store group entity

Name	Type	Description
GRP_ID	Decimal	Group ID *[Auto Generated]*
GRP_NAME	String	Group Name
GRP_NAMEUN	String	Group Name 2
GRP_TYPE	Int	Group Type
GRP_DESC	String	Group Description
GRP_DESCUN	String	Group Description 2
GRP_SEQUENCE	Int	Group Sequence
GRP_CATID	Decimal	Group Category ID
Stores	List<Decimal>	Group Stores
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created

Name	Type	Description
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_STORE_GROUP_CATEGORY

The web store group category entity

Name	Type	Description
CAT_ID	Decimal	Category ID *[Auto Generated]*
CAT_NAME	String	Category Name
CAT_NAMEUN	String	Category Name 2
CAT_DESC	String	Category Description
CAT_DESCUN	String	Category Description 2
CAT_SEQUENCE	Int	Category Sequence
StoreWebGroups	List<Decimal>	Category groups
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_CONNECTION_STATUS

The store connection status (i.e. online, offline)

Name	Type	Description
CONSTAT_ID	Decimal	Status ID *[Auto Generated]*
CONSTAT_CODE	Decimal	Status code which known by stores
CONSTAT_NAME	String	Status name

CC_ORDER_STATUS

The related order status (i.i in kitchen, ready,..etc)

Name	Type	Description
ODRSTS_ID	Decimal	Order status ID, auto generated
ODRSTS_NAME	String	Order status name to be displayed
ODRSTS_NAMEUN	String	Order status name 2
ODRSTS_CODE	Decimal	Order status code from store INITIAL → 0 OPEN → 1 FINILIZED → 2 BUMPED → 4 READY → 8 ASSIGNED → 16 ENROUTE → 32 DELIVERED → 64

		SUSPENDED → 96 FUTURE → 100 CLOSED → 128 FAILURE → 256 CANCELED → 512 UNKNOWN → 1024 FORCECLOSED → 2048 REQUESTFORCANCELORDER → 4096 FORCECANCEL → 8192
ORDSTS_WARNING	Integer	Time out for warning that shown in SDM Agent and SDM Dashboard grids (minutes)
ORDSTS_EXCEPTION	Integer	Time out for warning that shown in SDM Agent and SDM Dashboard grids (minutes)
ORDSTS_CAN_ADD	Integer	1 to allow add items to order (if the order status is ODRSTS_CODE), 0 to prevent
ORDSTS_CAN_ADD_TIMEOUT	Integer	Time out (minutes) to add items to the order, -1 for infinity
ORDSTS_CAN_MODIFY	Integer	1 to allow modify items to order (if the order status is ODRSTS_CODE), 0 to prevent
ORDSTS_CAN_MODIFY_TIMEOUT	Integer	Time out (minutes) to modify items to the order, -1 for infinity
ORDSTS_CAN_DELETE	Integer	1 to allow delete items to order (if the order status is ODRSTS_CODE), 0 to prevent
ORDSTS_CAN_DELETE_TIMEOUT	Integer	Time out (minutes) to delete items to the order, -1 for infinity
ORDSTS_CAN_CANCEL	Integer	1 to allow cancel order (if the order status is ODRSTS_CODE), 0 to prevent
ORDSTS_CAN_CANCEL_TIMEOUT	Integer	Time out (minutes) to cancel order, -1 for infinity
ORDSTS_CAN_REORDER	Integer	1 to allow reorder same order (if the order status is ODRSTS_CODE), 0 to prevent
ORDSTS_CAN_REORDER_TIMEOUT	Integer	Time out (minutes) to reorder same order, -1 for infinity

CC_ORDER_PAYMENT

Order payment entity

Name	Type	Description
PAY_ID	Decimal	Order payment ID, auto generated

PAY_ORDRID	Decimal	Order ID
PAY_TYPE	Integer	1 = Cash 2 = Credit Card
PAY_SUB_TYPE	Integer	(Not used)
PAY_AMOUNT	Double	Payment amount
PAY_CREDITCARD_NUMBER	String	Credit card number
PAY_CREDITCARD_HOLDERNAME	String	Credit card holder name
PAY_CREDITCARD_CCV	String	Credit card CCV
PAY_CREDITCARD_EXPIREDATE	DateTime	Credit card expiry date
PAY_STATUS	Integer	Payment status
PAY_STORE_TENDERID	Integer	POS tender ID
PAY_REF_NO	String	Payment gateway reference number
PAY_REF_IP	String	Customer's IP address
PAY_REF_GATEWAY	String	Payment gateway
PAY_REF_COUNTRY	String	Credit card issue country
CRT_BYUSER	String	Created by
CRT_DATE	DateTime	Date created
UPT_BYUSER	String	Updated by
UPT_DATE	DateTime	Date updated

CC_REASON

Holds various reasons for various reason types:

- Void Reasons

- Call Transfer Reasons

- Break (Not Ready) reasons

- Request for Authorization reasons

- Suspend Order Reasons

- Rejecting Order Reasons

- Authorize Order reasons

Name	Type	Description
REAS_ID	Decimal	Reason ID *[Auto Generated]*
REAS_TYPEID	Decimal	Type of reason Void Reason → 1 Transfer Reason → 2 Not-Ready Reason → 3 Authorization Reason → 4

		Reject Reason → 6 Suspend Reason → 7
REAS_CONCEPTID	Decimal	Concept ID that the reason will show in it, (-1) for all concepts
REAS_CODE	Decimal	Reason code
REAS_DESCIPTION	String	Reason description
REAS_PAYMENT_STATUS	Decimal	Payment status

CC_WEB_VSELECTOR

The web virtual selectors are used as characteristics to identify the items belonging to the same virtual group.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
VS_ID	Decimal	Virtual Selector ID
VS_TITLE	String	Virtual Selector Title
VS_TITLE_UN	String	Virtual Selector Title 2
VS_DESCRIPTION	String	Virtual Selector Description
VS_DESCRIPTION_UN	String	Virtual Selector Description 2
Values	Dictionary<int, CC_WEB_VSELECTOR_VALUE>	Virtual Selector Values
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_VSELECTOR_VALUE

The web virtual selector value entity used in CC_WEB_VSELECTOR entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
VSV_SELECTOR_ID	Decimal	Virtual Selector ID
VSV_ID	Decimal	Virtual Selector Value ID
VSV_TITLE	String	Virtual Selector Value Title
VSV_TITLE_UN	String	Virtual Selector Value Title 2
VSV_DESCRIPTION	String	Virtual Selector Value Description
VSV_DESCRIPTION_UN	String	Virtual Selector Value Description 2
VSV_SEQ	Decimal	Virtual Selector Value Sequence
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_VGROUP

The virtual groups are used as categorization on the web that enables the website to display a set of items within a specific group.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
VIG_ID	Decimal	Virtual Group ID
VIG_TITLE	String	Virtual Group Title
VIG_TITLE_UN	String	Virtual Group Title 2

VIG_DESCRIPTION	String	Virtual Group Description
VIG_DESCRIPTION_UN	String	Virtual Group Description 2
VIG_CUSTOMIZATION_TYPE	Integer	Virtual Group Customization Type. Normal → 1 Item Builder → 2 Promotion → 3
VIG_BUILDER_ID	Integer	Virtual Group Pizza Builder ID. Apply only if the customization type value is "Item builder".
VIG_SELECTOR1	Decimal	Virtual Group Selector 1
VIG_SELECTOR1_VALUE	Decimal	Virtual Group Selector 1 Value
VIG_SELECTOR2	Decimal	Virtual Group Selector 2
VIG_SELECTOR2_VALUE	Decimal	Virtual Group Selector 2 Value
VIG_SELECTOR3	Decimal	Virtual Group Selector 3
VIG_SELECTOR3_VALUE	Decimal	Virtual Group Selector 3 Value
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_DEAL

The web deal entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
WD_ID	Decimal	Web Deal ID
WD_TITLE	String	Web Deal Title
WD_TITLE_UN	String	Web Deal Title 2
WD_DESCRIPTION	String	Web Deal Description
WD_DESCRIPTION_UN	String	Web Deal Description 2
WD_STYLE	String	Web Deal Style
WD_FILTER	String	Web Deal Filter
WD_FILTER_UN	String	Web Deal Filter 2
WD_IMAGENAME	String	Web Deal Image
WD_RANK	Integer	Web Deal Rank
WD_VISIBLE	Boolean	Whether the deal is visible on the web or not
WD_ITEM	Decimal	Web Deal Item ID
WD_PRICE	Decimal	Web Deal Price
Details	`Dictionary<int, CC_WEB_DEAL_DETAIL>`	Web Deal Details
MetaTitle	String	Web Deal Meta Title
MetaTitleUn	String	Web Deal Meta Title 2
MetaDescription	String	Web Deal Meta Description

MetaDescriptionUn	String	Web Deal Meta Description 2
MetaKeyWords	String	Web Deal Meta Keywords
MetaKeyWordsUn	String	Web Deal Meta Keywords 2
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_DEAL_DETAIL

The web deal details entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
WDDD_DEAL_ID	Decimal	Web Deal ID
WDDD_STEP_ID	Decimal	Web Deal Step ID
WDD_ID	Decimal	Web Deal Detail ID
WDD_SEQUENCE	Integer	Web Deal Detail Sequence
WDD_MINIMUM	Integer	Web Deal Detail minimum
WDD_MAXIMUM	Integer	Web Deal Detail maximum
Defaults	Dictionary<int, CC_WEB_DEAL_DETAIL_DEFAULT>	Web Deal Detail Defaults
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_DEAL_DETAIL_DEFAULT

The web deal detail default entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
WDD_DEAL_ID	Decimal	Web Deal ID
WDD_STEP_ID	Decimal	Web Deal Step ID
WDDD_DETAIL_ID	Decimal	Web Deal Detail ID
WDDD_ID	Decimal	Web Deal Detail Default ID
WDDD_ITEM	Decimal	Web Deal Detail Default Item
WDDD_MODIFIERS	String	Web Deal Detail Default modifiers
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_DEAL_STEP

The web deal step entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
WDS_ID	Decimal	Web Deal Step ID
WDS_TITLE	String	Web Deal Step Title
WDS_TITLE_UN	String	Web Deal Step Title 2
WDS_QUESTION	String	Web Deal Step Question
WDS_QUESTION_UN	String	Web Deal Step Question 2
WDS_EXPLANATION	String	Web Deal Step Explanation
WDS_EXPLANATION_UN	String	Web Deal Step Explanation 2
WDS_STYLE	String	Web Deal Step Style
WDS_IS_MODIFIER	Boolean	Whether the step is modifier or not
WDS_ITEM_TITLE	String	Web Deal Step Item title
WDS_ITEM_TITLE_UN	String	Web Deal Step Item title 2
WDS_ITEM_DESCRIPTION	String	Web Deal Step Item Description
WDS_ITEM_DESCRIPTION_UN	String	Web Deal Step Item Description 2
WDS_ITEM_STYLE	String	Web Deal Step Item Style
WDS_ITEM_IMAGENAME	String	Web Deal Step Item Image Name
WDS_ITEM_VGROUP_ID	Decimal	Web Deal Step Item Virtual Group ID
WDS_ITEM_SELECTOR1_VALUE	Decimal	Web Deal Step Item Selector 1 Value
WDS_ITEM_SELECTOR2_VALUE	Decimal	Web Deal Step Item Selector 2 Value
WDS_ITEM_SELECTOR3_VALUE	Decimal	Web Deal Step Item Selector 3 Value
Items	`Dictionary<int, CC_WEB_DEAL_STEP_ITEM>`	Items in the Web Deal Step
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_DEAL_STEP_ITEM

The web deal step item entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
WDSI_STEP_ID	Decimal	Web Deal Step ID
WDSI_ID	Decimal	Web Deal Step Item ID

WDSI_ITEM	Decimal	Web Deal Step Item
WDSI_WEIGHT	Decimal	Web Deal Step Item Weight
WDSI_SEQUENCE	Decimal	Web Deal Step Item Sequence
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_QSTNR

The web questionnaire entity.

Name	Type	Description
WQ_ID	Decimal	Web Questionnaire ID
WQ_CONCEPTID	Decimal	Concept ID of the questionnaire.
WQ_NAME	String	Web Questionnaire Name
WQ_NAME_UN	String	Web Questionnaire Name 2
WQ_PUBLISHED	Integer	Whether the Questionnaire in published and active on web or not (0,1)
Questions	Dictionary<int, CC_WEB_QSTNR_QUESTION>	The Questions of the Questionnaire
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_QSTNR_QUESTION

The questions of the web questionnaire entity.

Name	Type	Description
WQQ_QSTNR_ID	Decimal	Web Questionnaire ID
WQQ_ID	Decimal	Question ID.
WQQ_CONCEPTID	Decimal	Concept ID
WQQ_DESCRIPTION	String	Question Text
WQQ_DESCRIPTION_UN	String	Question Text 2
WQQ_SEQUENCE	Integer	The sequence (order) of the question in the questionnaire.
Options	Dictionary<int, CC_WEB_QSTNR_QUESTION_OPTION>	The Question multiple choices (options).
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_QSTNR_QUESTION_OPTION

The questions options of the web questionnaire entity.

Name	Type	Description
WQQO_QSTNR_ID	Decimal	Web Questionnaire ID
WQQO_QUESTION_ID	Decimal	Question ID
WQQO_ID	Decimal	Option ID.
WQQO_CONCEPTID	Decimal	Concept ID
WQQO_DESCRIPTION	String	Option Text
WQQO_DESCRIPTION_UN	String	Option Text 2
WQQO_SEQUENCE	Integer	The sequence (order) of the option among the question options.
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_QSTNR_ RESULT

The web questionnaire result entity.

Name	Type	Description
WQR_ID	Decimal	Web Questionnaire Result ID
WQR_QSTNR_ID	Decimal	Questionnaire ID
WQR_CONCEPTID	Decimal	Concept ID
WQR_CUSTOMER_ID	Decimal?	The ID of the User who submitted the Questionnaire if he is an existing customer, Null if the user is a guest.
WQR_FIRSTNAME	String	The User First Name
WQR_LASTNAME	String	The User Last Name
WQR_EMAIL	String	The User Email
WQR_PHONENUMBER	String	The User Phone number
Result_Details	List<CC_WEB_QSTNR_RESULT_DETAILS>	The details of the questionnaire result submitted by the user
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_QSTNR_ RESULT_DETAILS

The web questionnaire result details entity.

Name	Type	Description
WQRD_ID	Decimal	Web Questionnaire Result Detail ID
WQRD_QSTNR_RESULT_ID	Decimal	The Result ID
WQRD_CONCEPTID	Decimal	Concept ID
WQRD_QSTNR_ID	Decimal	The Questionnaire ID
WQRD_QUESTION_ID	Decimal	The Question ID
WQRD_OPTION_ID	Decimal	The Chosen Option ID
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_ITEM_BUILDER

The web item builder entity.

Name	Type	Description
MENU_ID	Decimal	Menu Template ID
WIB_ID	Decimal	Web Item Builder ID
WIB_NAME	String	Web Item Builder Name
WIB_VGRP_TITLE	String	Web Item Builder Virtual Group Title
Builder_Objects	Dictionary<int, CC_WEB_BUILDER_OBJECTS>	Web Item Builder Objects
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CC_WEB_BUILDER_OBJECTS

The web builder objects entity.

Name	Type	Description
WBO_ID	Decimal	Web Builder Object ID
WBO_TITLE	String	Web Builder Object Title
WBO_TYPE	Decimal	Web Builder Object Type
WBO_SOURCE	Decimal	Web Builder Object Source
WBO_INDEX	Decimal	Web Builder Object Index
WBO_LINK_CONDITION	String	Web Builder Object Like Condition
WBO_EMPTY_NAME	String	Web Builder Object Empty Name
WBO_HTML_NAME	String	Web Builder Object HTML

		Name
WBO_BUILDER_ID	Decimal	Web Builder Object Builder ID
FILTER_ITEMS	List<decimal>	Filter Items
CRT_BY	String	Created By
CRT_DATE	DateTime	Date Created
UPT_BY	String	Updated By
UPT_DATE	DateTime	Date Updated

CCheck

Order Object which will be applied into SDM Solution.

Name	Type	Description
OrderID	Decimal	Order ID *[Auto Generated]*
OrderName	String	User assigned name for the order in case the order was saved as favorite.
ConceptID	Decimal	Concept ID
StoreID	Decimal	Store ID
StoreNumber	String	Store number for this order
StoreName	String	SDM Store name for this order
StoreWebName	String	Web store name for this order
StoreWebNameUN	String	Web store name 2 for this order
OrderMode	Integer	Delivery → 1 Takeaway → 2 WalkIn → 3
OrderType	Integer	Normal → 0 Future → 1 Suspended → 2
CustomerID	Decimal	Customer ID
AddressID	Decimal	Customer address profile ID
CountryID	Decimal	Country ID
ProvinceID	Decimal	Province ID
CityID	Decimal	City ID
AreaID	Decimal	Area ID
DistrictID	Decimal	District ID
StreetID	Decimal	Street ID
ZoneID	Decimal	Zone ID
SuspendReason	Decimal	Suspend reason, check the reasons
RejectReason	Decimal	Reject reason, check the reasons
VoidReason	Decimal	Void reason, check the reasons
DriverID	Integer	Driver ID, if the order is delivery and status is (assigned, Enroute, delivered, or closed)
DriverName	String	Driver name, if the order is delivery and

		status is (assigned, Enroute, delivered, or closed)
ValidateStore	Integer	1 to validate the backup store procedure for this order
Source	Decimal	What is the source of this order
StoreOrderMode	Integer	Mapping store order mode
StoreDOB	String	Store date of business
CheckNumber	Integer	Check number appear in store
Status	Integer	Order status, map the code in CC_ORDER_STATUS
DOB	String	Date of business
SubTotal	Double	GrossTotal – DiscountTotal
DiscountTotal	Double	All discounts applied in this order
GrossTotal	Double	Accumulate all entry prices (without discounts)
Total	Double	Subtotal + ServiceCharge
SalesAmount	Double	Total amount of sales for this order
Balance	Double	Balance
Change	Double	Change for the customer after payment
ServiceCharge	Double	Service fee for delivery
CreateBy	String	Person who create the order
UpdateBy	String	Latest person update the order
CancelBy	String	Person who cancel the order
AuthBy	String	Latest person authorize this order
AuthReqReason	Decimal	The authorization reason
PromiseTime	Decimal	Promise time for this order
OverridePromiseTime	Decimal	Override promise time for this order
AuthReqRemarks	String	Authorization remarks and comments
AuthReqRemarksUn	String	Authorization remarks and comments
IsAuth	Integer	Is authorized
AuthReq	Integer	Authorization Required
IsExternal	Integer	Is this order come from External clients or from SDM Agent
ExternalStatus	Integer	Waiting → 1 Processed → 2
DateOfTrans	Date Time	Date of transaction *[Auto Generated]*
FirstSendTime	Date Time	First time the order request sent to store *[Auto Generated]*
LastSendTime	Date Time	Last time the order request sent to store *[Auto Generated]*
StatusTime	Date Time	For each status, there is status time *[Auto Generated]*
CreateTime	Date Time	Time of create the order *[Auto Generated]*
CancelTime	Date Time	Cancellation time *[Auto Generated]*

AuthTime	Date Time	Authorization time *[Auto Generated]*
UpdateTime	Date Time	Last update time *[Auto Generated]*
DueTime	Date Time	Time that the order should be delivered to the customer
StoreDueTime	Date Time	Time (in store time) that the order should be delivered to the customer
TaxesInclusive	Double	The total amount of the calculated exclusive taxes
TaxesExclusive	Double	The total amount of the calculated inclusive taxes
CancelAllowed	Boolean	
EditAllowed	Boolean	
TransferBy	String	
TransferTime	Date Time	
TransferToOrderID	Integer	
TransferToStoreID	Integer	
TransferFromOrderID	Integer	
TransferFromStoreID	Integer	
PaymentMethod	String	
PaymentMethodUn	String	
Entries	List (CEntry)	Order entries
Notes	List (CNote)	Order notes
ExtendedAttributes	List (ExtendedAttribute)	
Payments	List (CC_ORDER_PAYMENT)	Order payments
Comps	Dictionary<decimal, CComp>	Dictionary of order Comps (Comp ID, Comp Object)
Discounts	Dictionary<CPromo, double>	Dictionary of order discounts (Discount Object, Discount Amount) The CPromo object can be any of the following: BOGO, Check Reduction, Quick Combo
Taxes	Dictionary<int, CTaxEntry>	The entries of each applied tax

Notes:

- Only the Auto Apply promos should be evaluated against the check and added to the Discount dictionary.
- The discounts added to a CCheck object in its Discounts dictionary should be only used for display purposes on the Web. Those discounts will not be sent and applied in the store. The POS in the store will apply them automatically since they are Auto Applied.
- The Comps added to the CCheck Comps dictionary will be sent and applied in the store.

CEntry

CCheck entries, which include both ordered items and their modifiers.

Name	Type	Description
ID	Decimal	Entry ID *[Auto Generated]*
StoreEntryID	Integer	Store entry ID
OrderID	String	Order ID
CheckID	Integer	Check ID in the store
ItemID	Integer	Item ID for this entry
Name	String	Entry name to be displayed
LongName	String	Long entry name
ShortName	String	Short entry name
Price	Double	Entry price
Level	Integer	Entry level, 1 or more indicate that this entry is modifier for parent entry
IsSpecialMessage	Integer	Is this entry a special message
ModgroupID	Integer	Modifier group that own this entry
Type	ENTRY_TYPE	Enumeration for entry type such as ITEM, SPECIAL_MSG, etc. Refer to the ENTRY_TYPE Enumertation below.
ModCode	ENTRY_MOD_CODES	Enumeration for mod code NONE WITH NO Side EXTRA
Weight	Decimal	Weight of this entry, this is important to calculate the price for this item
DateOfTrans	Date Time	Date of transaction *[Auto Generated]*
CreateTime	Date Time	Create time *[Auto Generated]*
UpdateTime	Date Time	Last update time *[Auto Generated]*
TransTime	Date Time	Transaction time *[Auto Generated]*
DueTime	Date Time	Time to deliver this item
Remarks	String	Comments and remarks on this entry
Category	Integer	Which category the entry belong to
AskPrice	String	"F"
AskDesc	String	"F"
Status	ENTRY_MOD_CODES	The value of this member should be set to the same value as ModCode member.

		If the entry should be deleted, this member's value can be set to "Request For Deletion"
DOB	String	Date of business
VoidReason	Integer	Void reason for this entry (if deleted)
OrdrMode	String	Order mode for this entry
TransBy	String	Person who make transaction for this entry
CreateBy	String	Person who create the entry
UpdateBy	String	Last person update this entry
DiscountPrice	Double	Discount price (if any discount applied to this entry)
Entries	List (CEntry)	List of modifiers
AdjGroup1	Decimal	AR Adjective Group ID 1
AdjGroup2	Decimal	AR Adjective Group ID 2
AdjGroup3	Decimal	AR Adjective Group ID 3
AdjGroup4	Decimal	AR Adjective Group ID 4
Adj1	Decimal	AR Adjective ID 1
Adj2	Decimal	AR Adjective ID 2
Adj3	Decimal	AR Adjective ID 3
Adj4	Decimal	AR Adjective ID 4
Noun	Decimal	AR Noun ID
SubType	Decimal	
DealID	Decimal	The Deal to which this item belongs if it belongs to a deal.
QCProID	Integer	
QCInstanceID	Decimal	
QCComponent	Decimal	
Index	Integer	
Tax1ID	Integer	Tax ID
Tax1Rate	Decimal	The rate of the applied tax
Tax2ID	Integer	Tax ID
Tax2Rate	Decimal	The rate of the applied tax
FavoriteName	String	The Item name when the item is added as a favorite item.
ConceptID	Integer	Concept ID
CustID	Integer	Customer ID

CNote

Order Cnote entity.

Name	Type	Description
NT_ID	Decimal	Note ID *[Auto Generated]*

NT_ORDERID	Decimal	Note Order ID
NT_NOTE_GROUPID	Decimal	Note group ID as defined in the SDM manager
NT_NOTEID	Decimal	The not ID as defined in the SDM
NT_FREE_TEXT	String	Note text
NT_MANDATORY	Integer	Whether this note is mandatory and must be taken or not
NT_SOURCE	Integer	The note source
NT_DOB	String	Note date of business

CPriceLevel

Menu item price level which can be attached to menu item for price grouping

Name	Type	Description
ID	Integer	Price Level ID *[Auto Generated]*
Desc	String	Description for this price level
Price	Double	Price

CPriceChange

Price Change Event

Name	Type	Description
ID	Integer	Price Change ID *[Auto Generated]*
Name	String	Price change name
StartDate	Date Time	Start date time
EndDate	Date Time	End date time
Items	List (CPriceChangeItem)	List of CPriceChangeItem items

CPriceChangeItem

Price Change Items

Name	Type	Description
ItemID	Integer	Item ID
Price	Decimal	Price
AllowEdit	Boolean	
MinPrice	Decimal	
RecPrice	Decimal	

CEvent

Name	Type	Description
ID	Decimal	Event ID, auto generated

EventType	Integer	Event type
TimeHour	Integer	0 → 23
TimeMinute	Integer	0 → 59
TimeString	String	Time as string
Occurrence	Char	'W' weekly, 'D' daily,
OccurrenceData	String	
UserData	String	

CCategory

Item category definition

Name	Type	Description
ID	Integer	Category ID *[Auto Generated]*
Name	String	Category Name
Retail	Boolean	Is retail category?
Sales	Boolean	Is sales category?
Suggestive	Boolean	Is suggestive category?
Tipshare	Boolean	
HasItems	Boolean	Does category have items?
MaxCheckSet	Boolean	Is max per check parameter set?
MaxPerCheck	Int	Max allowed per check
Items	List<Int>	Category items' ID

CItem

Menu Item definition

Name	Type	Description
ID	Integer	Item ID *[Auto Generated]*
Name	String	Item name
NameUN	String	Item name 2
Desc	String	Item Description
DescUN	String	Item Description 2
Recipe	String	Item's recipe and components
RecipeUN	String	Item's recipe and components 2
Style	String	Item's custom styles
StyleUN	String	Item's custom styles 2
Nutrition	String	Item's nutrition info
NutritionUN	String	Item's nutrition info 2
Price	Double	Item price
Weight	Decimal	Weight of the item, this include in price and quantity calculations
Pizza	bool	Is pizza item or not
Rank	Int	Item's order inside the menu
PriceLevelID	Integer	Price Level ID

Name	Type	Description
PriceMethodID	Integer	Price method assigned on item level
Visible	Int	Is item visible for the web or not
Modgroups	List (CElement)	List of CElement items which contains the IDs for Modgroups of this item

CElement

The content of the Sub Menu or Modifier Group

Name	Type	Description
ID	Integer	Element ID *[Auto Generated]*
Location	Point	Location x, y coordinates
Price	Double	Price
PriceLevelID	Integer	Price Level ID
PriceMethodID	Integer	Price method assigned on item level
Weight	Decimal	Weight of the element (If the element is item)
FromEvent	Boolean	Is this element came from event
PizzaGroup	Boolean	Is this element is Pizza Modgroup
Element_Type	Integer	Element type

Element can be CModgroup, CItem, or CSubmenu

CModgroup

Modifier Group Definition

Name	Type	Description
ID	Integer	Modifier group ID *[Auto Generated]*
Name	String	Modifier group name
Minimum	Integer	Minimum number of items (with weight calculation) allow to met the requirements
Maximum	Integer	Maximum number of items (with weight calculation) allow to met the requirements
Free	Integer	Number of items (with weight calculation) to be calculated as free
PizzaGroup	Boolean	Is this modifier group Pizza group
FlowRequired	Boolean	Should flow
Title	String	Title for modifier group
Question	String	Customer question for this group
Explination	String	Explanation, or comments
Style	String	Style for SDM web ordering module
DefaultItemStyle	Integer	Default item style inside the group
Items	List (CElement)	List of CElement items which contains the IDs for Modifiers of this group

CmodifierCode

The attribute of a modifier when it is modifying a base menu item (i.e Add, Extra, No,..etc)

Name	Type	Description
ID	Decimal	Modifier code ID *[Auto Generated]*
Desc	String	Modifier code description
Name	String	Modifier code name
Indicator	String	Short code that will be written before item name on check
Quantity	Double	Quantity
Active	Boolean	Is active
Intensity	Boolean	
Reverse	Boolean	
Blink	Boolean	
Number	Integer	
Image	String	Image path

CMenu

POS Menu Definition

Name	Type	Description
ID	Integer	Menu ID *[Auto Generated]*
Name	String	Menu name
Submenus	List (CElement)	List of CElement items which contains the IDs for submenus of this menu

CSubmenu

POS Sub-Menu Definition

Name	Type	Description
ID	Integer	Submenu ID *[Auto Generated]*
Name	String	Submenu Name
Title	String	Submenu Title
Style	String	Style for SDM web ordering module
Desc	String	Submenu description
DefaultItemStyle	Integer	Default items style inside this submenu
Items	List (CElement)	List of CElement items which contains the IDs for Items of this submenu

CQuantityPrice

Quantity Pricing Definition

Name	Type	Description
ID	Integer	Quantity price ID *[Auto Generated]*
ItemID	Integer	Item ID for this quantity price
TareID	Integer	
Decimals	Integer	
UnitName	String	
UnitPrice	Double	
ItemQuantity	Boolean	
AffectInVT	Boolean	

CFixedPrice

Fixed Price Definition

Name	Type	Description
ID	Integer	Fixed Price ID *[Auto Generated]*
ItemID	Integer	Item ID for this fixed Price
ZeroIfModifier	Boolean	If the item is modifier, set the price to zero
Price	Double	Fixed price

CComp

This entity is used to configure a complementary object:

Name	Type	Description
ID	Decimal	ID *[Auto Generated]*
CompID	Int	Comp ID
Name	String	The comp's descriptive name
CheckName	String	The comp's descriptive name on the guest check
Active	Boolean	Makes the comp active
PercentOff	Double	Sets the percentage to discount when you apply the comp
EligibleItems	Integer	The category of items from which you must order to apply the comp
FixedAmount	Double	The fixed amount
Amount	Double	The calculated comp amount which will be applied on the check
CustomUnit	String	
Location	Point	The location of the Comp button on the POS
Selected	Boolean	For internal use

Status	Decimal	For internal use
MaximumAmount	Double	Maximum discount allowed
MaxPerCheck	Integer	The maximum allowable number of the defined comps permitted per check
MaxPerTable	Integer	The maximum allowable number of the defined comps permitted per table
MustEnterAmount	Boolean	Prompts for the comp amount at the order entry terminal
EnterAmount	Double	The amount to be entered if MustEnterAmount is set to True
MustEnterName	Boolean	Prompts cashier to enter a name for the comp on the FOH
EnterName	String	The name to be entered if MustEnterName is set to True
MustEnterPercent	Boolean	Prompts for the entry of the percentage to decrease the check, rather than using a fixed amount
EnterPercent	Double	The percentage to be entered if MustEnterPercent is set to True
MustEnterUnit	Boolean	Prompts cashier to enter the store number on the FOH
EnterUnit	Decimal	The Unit (store number) to be entered if MustEnterUnit is set to True
MustSelectItems	Boolean	Requires the cashier to select menu items to apply the comp on the FOH. These items must be added to the CCheck's Entries collection
Entries	List<CEntry>	The selected entries from the guest check on which the comp is applied
HasEntries	Boolean	Whether this CComp object contains entries or not in its Entries collection
Position	Integer	Determines the placement of the defined comp on the order entry terminals
Promo_ItemsEligible	Boolean	Indicates items already defined as promotions are eligible for inclusion in this comp
Promo_AllowPriorForCheck	Boolean	Allows applying this comp to a check if another promotion already exists on the check
Promo_AllowPriorForTable	Boolean	Allows applying this comp to a table if another promotion already exists on the table
Promo_AllowSubseqForCheck	Boolean	Allows applying another promotion to a check after the current comp has been applied

Promo_AllowSubseqForTable	Boolean	Allows applying another promotion to a table after the current comp has been applied
Comp_ItemsEligible	Boolean	Allows comp items to be eligible for this comp. False if comp items are not permitted.
Comp_AllowPriorForCheck	Boolean	Allows applying this comp to a check if another comp already exists on the check
Comp_AllowPriorForTable	Boolean	Allows applying this comp to a table if another comp already exists on the table
Comp_AllowSubseqForCheck	Boolean	Allows applying another comp to a check after the current comp has been applied
Comp_AllowSubseqForTable	Boolean	Allows applying another comp to a table after the current comp has been applied

CPromo

This is the base entity of CPromo_BOGO, CPromo_CheckReduction and CPromo_QuickCombo.

Name	Type	Description
ID	Integer	Promo ID *[Auto Generated]*
Active	Boolean	Active or not
Name	String	Name
Desc	String	Description
StartDate	DateTime	Start Date
EndDate	DateTime	End Date
MaxAmount	Double	
MaxPerCheck	Integer	The maximum allowable number of the defined comps permitted per check
MaxPerTable	Integer	The maximum allowable number of the defined comps permitted per table
Location	Point	The location of the promo button on the POS
Position	Integer	For internal use
Sequence	Decimal	For internal use
OPrice	Decimal	For internal use
Selected	Boolean	For internal use
IDRequired	Boolean	Whether promo verification code is required or not
IDLength	Integer	The length of the verification code
IDNumeric	Boolean	Whether the verification code is numeric or alphanumeric
Promo_ItemsEligible	Boolean	Indicates items already defined as promotions are eligible for inclusion

		in this promotion
Promo_AllowPriorForCheck	Boolean	Allows applying this promotion to a check if another promotion already exists on the check
Promo_AllowPriorForTable	Boolean	Allows applying this promotion to a table if another promotion already exists on the table
Promo_AllowSubseqForCheck	Boolean	Allows applying another promotion to a check after the current promotion has been applied
Promo_AllowSubseqForTable	Boolean	Allows applying another promotion to a table after the current promotion has been applied
Comp_ItemsEligible	Boolean	Allows comp items to be eligible for this promotion. False if comp items are not permitted.
Comp_AllowPriorForCheck	Boolean	Allows applying this promotion to a check if another comp already exists on the check
Comp_AllowPriorForTable	Boolean	Allows applying this promotion to a table if another comp already exists on the table
Comp_AllowSubseqForCheck	Boolean	Allows applying another comp to a check after the current promotion has been applied
Comp_AllowSubseqForTable	Boolean	Allows applying another comp to a table after the current promotion has been applied
AutoApply	Boolean	Applies the promo to all eligible items on the check automatically

CPromo_BOGO

Use the BOGO promotion type to configure a buy one get one of equal or lesser value, either free or at a discounted price. Chargeable modifiers are included in the calculated cost when determining the lower priced item. For example, buy two large sandwiches at regular price, and receive a small sandwich at the discounted price of $0.99. Cheese and bacon are the only charged modifiers.

In addition to the members in its base entity (CPromo), CPromo_BOGO has the following members:

Name	Type	Description
ApplyForAllEligibleItems	Boolean	Applies the promotion to all eligible items on the check (this option disables the MaxPerCheck and MaxPerTable options)
DiscountItemsCategory	Integer	The category of items from which you allow to be discounted

Entries	Dictionary<decimal, double>	
FixPrice	Decimal	The discounted fix price in which the second item will be sold (if Method is set to Fix Price)
Percent	Decimal	The discounted fix percentage in which the second item will be sold (if Method is set to Percentage)
ItemsCategory	Integer	The category of items from which you must purchase for the bogo
ItemsRequired	Integer	The number of items must be purchased from ItemsCategory
Method	BOGO_PRICEMETHOD	Bogo pricing method
ModsCategory	Integer	the category of charged items from which you do not want to charge

CPromo_CheckReduction

This entity is used to configure a Check Reduction promotion type.

In addition to the members in its base entity (CPromo), CPromo_CheckReduction has the following members:

Name	Type	Description
MinimumTotal	Double	the minimum amount for the guest check before you can apply the Check Reduction promotion
ItemsCategory	Integer	The category containing the items that are discounted when you apply the promotion
Qualify	Boolean	Works in conjunction with the "Qualifying Items" category and the "Check Minimum" text box to place a restriction on the promotion
QualifyItemsCategory	Integer	Works in conjunction with the 'Qualify' option and specifies the category to include or exclude when determining if the promotion is still valid
Method	CHECKREDUCTION_REDUCEMETHOD	Check reduction method type
Amount	Decimal	Amount or percent to be deducted

CPromo_QuickCombo

This entity is used to configure a Quick Combo promotion type.

In addition to the members in its base entity (CPromo), CPromo_QuickCombo has the following members:

Name	Type	Description
QuickName	String	
Price	Decimal	specifies the base price of the quick combo without an upsell charge
GroupDelete	Boolean	Deletes the individual items from the check and only shows the order as a combo
ConsolidateLikeComponent	Boolean	Causes the system to list multiple instances of items together on the guest check
ComponentsCount	Integer	The number of the defined compenents for this Quick Combo
HasComponents	Boolean	Whether the quick combo has components or not
RequiredComponetsCount	Integer	A number between 2 and 10 for the required number of components that you must purchase for the Quick Combo to take effect
Components	List<CPromo_QuickComboComponent>	The quick combo components list (Description below)

CPromo_QuickComboComponent

Name	Type	Description
Name	String	The name of the component (Sandwitch, side … etc.)
CategoryID	Integer	Limits this component to an item from a specific category.
QuickComboID	Integer	The Quick Combo ID of this component
CompID	Integer	
Exclude	Boolean	
Primary	Boolean	
Minimum	Integer	The minimum quantity of this component that must be purchased
Maximum	Integer	The maximum quantity of this component that can be purchased
PriceSeparately	Boolean	Charges the regular price for the item and shows it on the guest check
CombinePrice	Boolean	Combines the price with the upsell price and base price on the check
HasItems	Boolean	Whether this Quick Combo has items

		or not
Items	List<int>	Specify particular items in the combo as opposed to letting the customer pick any item from a specific category

CTax

Tax definition

Name	Type	Description
NoRepeat	Integer	
Repeat	Integer	
ArTaxID	Integer	
GST	Boolean	Is it a VAT tax
Inclusive	Boolean	Is the tax calculation inclusive
MinTaxable	Double	Condition to apply the tax if the amount exceeded this value
PmsTaxID	Integer	
Rate	Double	Flat rate value
Secondary	Boolean	Is this a secondary tax (Secondary tax should be exclusive)
SmartTax	Integer	Automatically change tax type from inclusive to exclusive if there are any other exclusive items inside the check
Substitute	Integer	
TaxExempt	Boolean	
Vendor	Boolean	

CTaxFlex

Tax definition

Name	Type	Description
CateogryID	Integer	Do any items in this category appear on the check? Used in case Type=3
CateogryID2	Integer	Quantity by category. Used in case Type=4: Do any items in this category appear on the check?
ChkSubtotal	Double	Is the check subtotal less than this value? Used in case Type=2
FlexTaxID1	Integer	Specifies a flex tax that becomes active when the terms specified in the Conditions group box are met. The flex tax specified in this field applies only if the specified conditions succeed.
FlexTaxID2	Integer	Specifies a flex tax that becomes active when the terms specified in the Conditions group box are not met. The flex tax specified in this field applies only if the specified conditions

		fail.
Quantity	Integer	Is quantity less than this value? Used in case Type=1
Quantity2	Integer	Quantity by category. Used in case Type=4: Is category quantity less than this value
TaxID	Integer	The attached tax definition ID
Type	CTaxFlexType	Condition type: 0 : Always — Applies to all items in the system. 1 : Quantity — Applies to a specific quantity of items ordered. 2 : Subtotal — Applies to a specific subtotal value of items ordered. 3 : Category — Applies to a specific category of items ordered.

CTaxEntry

Tax Entry definition

Name	Type	Description
ORTAX_ID	Integer	Record ID
ORTAX_ORDRID	Decimal	Order ID
ORTAX_TAXID	Integer	Tax definition ID
ORTAX_AMOUNT	Decimal	Total amount of the applied taxes of this definition
ORTAX_TAXTYPE	Boolean	Exclusive or Inclusive 0: exclusive 1: inclusive
ORTAX_NAME	String	Name of the tax definition

LocationSearch

Customer Address location inquiry structure

Name	Type	Description
RN	Integer	Row number
AID	Decimal	Street Area ID (for internal use only)
SID	Decimal	Street ID
DID	Decimal	District ID
AREA_ID	Decimal	Area ID
STRET_ID	Decimal	Street ID
DIS_ID	Decimal	District ID
AREA_NAME	String	Area name
STRET_NAME	String	Street name
DIS_NAME	String	District name
AREA_COUNTRYID	Decimal	Country ID that belong to this Area
AREA_PROVINCEID	Decimal	Province ID that belong to this Area
AREA_CITYID	Decimal	City ID that belong to this Area
TEXT	String	Combination string of Area, Street, District, building name, and ….

STR_ID	Decimal	Store ID
STR_CONCEPTID	Decimal	Store concept ID
STR_DEF_ZONEID	Decimal	Store default zone ID
TOTAL_RESULT_COUNT	Integer	Total result of the search
STR_NAME	String	Store name

GPoint

This entity represents a geographical point coordinates

Name	Type	Description
X	Decimal	Longtitude
Y	Decimal	Latitude

ExtendedAttribute

This entity represents the object's Extended Attributes

Name	Type	Description
ID	Decimal	Extended attribute's ID
OBJECT_TYPE	OBJECT_TYPE	Object Type
OBJECT_ID	Decimal	The Object ID
NAME	String	Extended attribute's name
VALUE	String	Extended attribute's value
CRT_BY	String	Created by
CRT_DATE	DateTime	Date created
UPT_BY	String	Updated by
UPT_DATE	DateTime	Date updated

SDM Ordering Menu Class Diagram
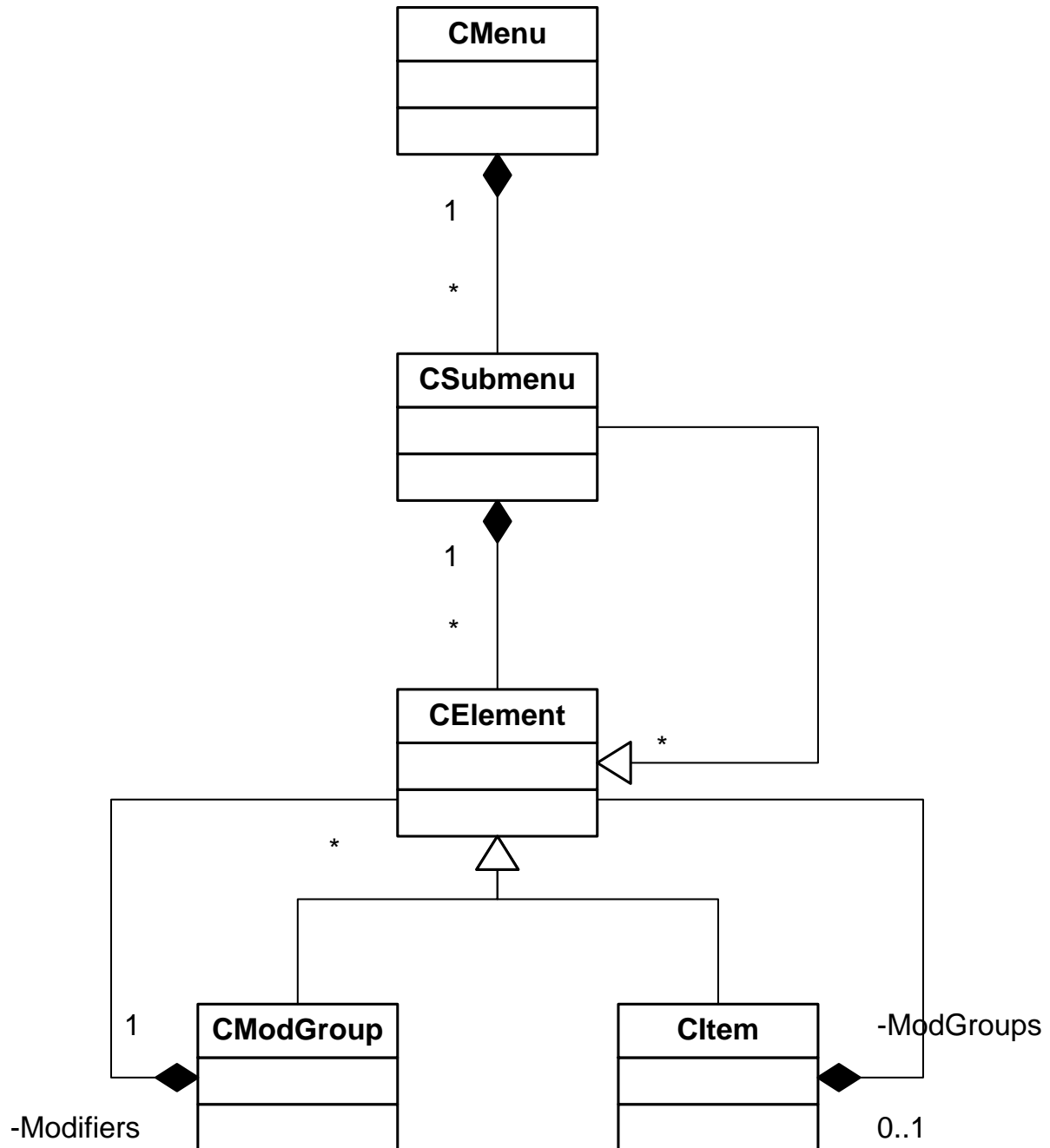
SDM Ordering Check Class Diagram

```
                    ┌─────────────────┐
                    │     CCheck      │
                    ├─────────────────┤
                    │                 │
                    ├─────────────────┤
                    │                 │
                    └─────────────────┘
                            ◆
                    1       │    -Entries
                            │
                       *    │
                    ┌─────────────────┐          ┌─────────────────┐
                    │     CEntry      │  -Item   │     CItem       │
                    ├─────────────────┤          ├─────────────────┤
              ┌─────┤                 │          │                 │
              │     ├─────────────────┤          ├─────────────────┤
          *   │     │                 │  0..1  1 │                 │
              │     └─────────────────┘          └─────────────────┘
              │          ◆
              │     1    │    -Entries
              └──────────┘
```
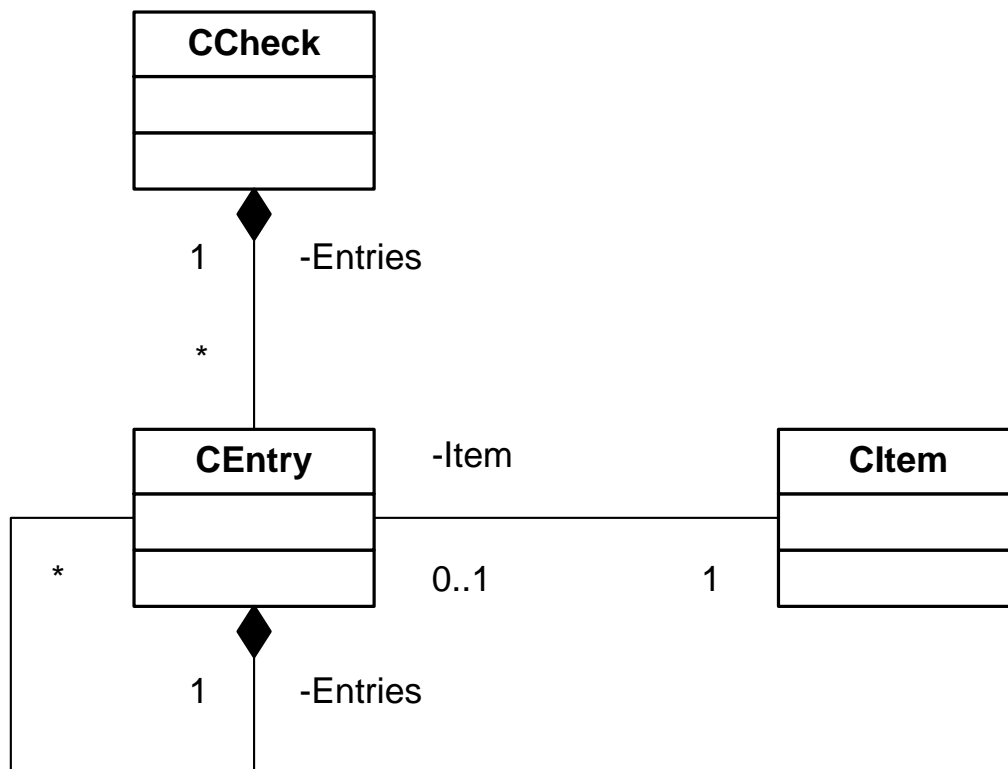
SDM Web Ordering Enumerations Dictionary

REASON_TYPE

Name	Value	Description
VOID_REASON	1	Void reason
TRANSFER_REASON	2	Transfer reason
NOT_READY_REASON	3	Not ready reason
AUTHORIZATION_REASON	4	Authorization reason
UNCONFIRMED_NEW_ORDER	5	Unconfirmed new order reason
REJECT_REASON	6	Reject reason
SUSPEND_REASON	7	Suspend reason

PIZZA_PRICING

Name	Value	Description
Percentage	0	Percentage of each half price (like 60% of the first half, 60% of the second half)
Average	1	The average of the halfs prices (i.e. (half1 price + half2 price)/2)
Higher	2	The Higher price pizza
Whole_Price	3	

BOGO_PRICEMETHOD

Name	Value	Description
Free	0	Indicates that the BOGO second item will be sold for free
FIXPRICE	1	Indicates that the BOGO second item will be sold at a discounted fixed price
PERCENT	2	Indicates that the BOGO second item will be sold at a discounted percentage of its original price

CHECKREDUCTION_REDUCEMETHOD

Name	Value	Description
PERCENT	0	The discount amount is a percentage of the check total
FIXPRICE	1	The discount amount is a fixed amount

OBJECT_TYPE

Object type enum used in extended attribute entity

Name	Value	Description
Unknown	0	
Order	1	The object type is CCHECK

ENTRY_MOD_CODES

Modifier Codes enum used in CEntity object

Name	Value	Description
NONE	0	
WITH	1	
NO	2	
EXTRA	3	
SIDE	4	
MESSAGE	5	
SUBSTITUTE	6	
FOR	7	
DELETED	8	
SUBSTITUTE_EXTRA	9	
SUBSTITUTE_SIDE	10	
INACTIVE	11	
PRINTED_DELETED	12	
CANCELED	13	
LIGHT	14	
HEAVY	15	
ONLY	16	
HALF	17	
QUARTER	18	
ADD	19	
NOTFOUND	100	
NOTAPPLIED	101	
DELETING	200	
REQUESTFORDELETE	300	
PENDING	301	
REJECTED	302	

ResultCode

Name	Value	Description
External_Data_Error	-2	Database Error. Check ExternalCode and ResultText for more detail.

External_Error	-1	External Error. Check ExternalCode and ResultText for more detail.
Success	0	Success. No Errors.
Invalid_Parameter	1	Invalid parameter value passed to the method.
Invalid_License	2	Invalide License Code.
Invalid_Concept_ID	3	Invalid concept ID.
Invalid_Date	4	Invalid date value.
Concept_Does_not_Exist	5	No concept has this concept ID.
Menu_Template_Does_Not_Exist	6	Menu Template does not exist.
Submenu_Does_Not_Exist	7	Submenu does not exist.
Empty_Submenu	8	Submenu is empty.
Mod_Group_Does_Not_Exist	9	Modifier group does not exist.
Empty_Mod_Group	10	Modifier group is empty.
Item_Does_Not_Exist	11	Item does not exist.
No_Mod_Groups_Linked_To_Item	12	This Item has no Modifier groups linked to it.
No_Fix_Prices_In_Menu_Template	13	This menu template has no fix prices.
No_Categories_In_Menu_Template	14	This menu template has no categories.
No_Events_In_Menu_Template	15	This menu template has no events.
No_Price_Levels_In_Menu_Template	16	This menu template has no price levels.
No_Price_Change_In_Menu_Template	17	This menu template has no price changes.
No_Menus_In_Menu_Template	18	This menu template has no menus.
Invalid_Order_Object	19	This order object is invalid.
Null_Order_Object	20	This order object is NULL.
Menu_Does_Not_Exist	21	Menu does not exist.
No_Submenu_In_Menu	22	This menu has no submenus.
No_Submenu_In_Menu_Template	23	This menu template has no submenus.
No_System_Paramters	24	No system parameters defined.
Invalid_Customer_Object	25	This customer object is invalid.
Null_Customer_Object	26	This customer object is NULL.
Empty_Username	27	Empty username.
Empty_Username_Or_Password	28	Empty username or password.
Empty_Order_Statuses	29	Empty order status.
Empty_Connection_Statuses	30	Empty connection statuses
Empty_Countries	31	Empty countries
Empty_Provinces	32	Empty provinces
Empty_Cities	33	Empty cities
Empty_Nationalities	34	Empty nationalities

Empty_Customer_Titles	35	Empty customer titles
Empty_Languages	36	Empty languages
Empty_Customer_Classes	37	Empty customer classes
Empty_Address_Classes	38	Empty address classes
Area_Does_Not_Exist	39	Area does not exist
Street_Does_Not_Exist	40	Street does not exist
District_Does_Not_Exist	41	District does not exist
Zone_Does_Not_Exist	42	Zone does not exist
Empty_Stores	43	Empty stores
Invalid_Address_Object	44	This address object is invalid.
Null_Address_Object	45	This address object is NULL.
Invalid_Address_Detail_Object	46	This address detail object is invalid.
Null_Address_Detail_Object	47	This address detail object is NULL.
No_Customer_Phone	48	This customer phone object is invalid.
Null_Customer_Phone	49	This customer phone object is NULL.
Invalid_Username_Or_Password	50	Invalid username or password.
Username_Already_Exists	51	Customer username already exists.
Data_insertion_Error	52	Data insertion error.
Customer_Does_Not_Exist	53	Customer does not exist.
Address_Does_Not_Exist	54	Address does not exist.
AddressDetails_Does_Not_Exist	55	Address detail does not exist.
Phone_Does_Not_Exist	56	Phone does not exist.
No_Menu_Template_In_Concept	57	No menu templates found in this concept.
Store_Does_Not_Exist	58	Store does not exist.
Order_Does_Not_Exist	59	Order does not exist.
Invalid_Customer_Password	60	Invalid customer password.
No_Reasons_Found	61	No reasons of this type found.
Unknown_Order_Status	62	Unknown order status.
Order_Status_Not_Allowed_To_Delete_Items	63	Not allowed to delete items because of order status.
Order_Status_Timeout_Not_Allowed_To_Delete_Items	64	Not allowed to delete items because of order status timeout.
Order_Status_Not_Allowed_To_Add_Items	65	Not allowed to add items because of order status.
Order_Status_Timeout_Not_Allowed_To_Add_Items	66	Not allowed to add items because of order status timeout.
Order_Status_Not_Allowed_To_Cancel	67	Not allowed to cancel order because of order status
Order_Status_Timeout_Not_Allowed_To_Cancel	68	Not allowed to cancel order because of order status timeout.
Order_Already_Canceled	69	Order already canceled.
Order_Already_Closed	70	Order already closed.

Invalid_Order_Update	71	Invalid order update.
Order_Deleted_Item	72	Order deleted item.
No_StoreArea_Found	73	No store area found.
Invalid_Due_Time	74	Invalid Due Time for this.

ENTRY_TYPE

Name	Value	Description
ITEM	0	regular item
SPECIAL_MSG	1	special modifier message
GIFT_CERTIFICATE	2	gift certificate sold
BO_GIFT_CERTIFICATE	3	back office gift certificate sold
CASH_CARD	4	cash card sold
SEAT	50	seat separator
SEAT_SPACE	51	blank line
COSMETIC	100	all cosmetics are > this number
PAYMENT	101	payment entries
PROMO	102	promotion info
COMP	103	comp info
BLANK	104	blank line
SUBTOTAL	105	subtotal
TOTAL_1_ITEM	106	regular total
TOTAL_2_ITEM	107	big bold print total
TAX	108	tax
OVERPAYMENT_ITEM	109	overpayment by guest
BALANCE_DUE_ITEM	110	balance owed by guest
GRATUITY	111	banquet gratuity
DELETE	112	deleted item
TIP	113	payment tips
CASH_ITEM	114	dummy cash line
CHANGE_ITEM	115	change due to guest
PRINTED_DELETE	116	printed deleted item
PAYMENT_IDENT	117	payment ident
PAYMENT_AUTH	118	payment auth
COMP_DETAIL	119	comp detail (unit name)
PROMO_DETAIL	120	promo detail (coupon number)
PROMO_CRUD	121	promo crud (for split check screen only)
COMP_CRUD	122	comp crud (for split check screen only)
GRATUITY_TAX	123	banquet gratuity tax
GRATUITY_TOTAL	124	check total including gratuity
SURCHARGE	125	surcharges
SURCHARGE_COMBINED	126	surcharges combined
TAX_2	127	secondary tax

DASHES	128	line of dashes
MODECHARGE	129	order mode charges
MODE	130	order mode of check (only used on fastfood)
ITEM_COUNT	131	number of items on check
FREQ_DINER	132	frequent diner number
QCOMBO_MOD	133	quick combo modifier. eg. Go Large
QCOMBO_ITEM	134	quick combo item. for rearranging items
DELIVERY	135	delivery number
TEXT	136	straight text
SUBTOTAL2	137	second check subtotal
TAXEXEMPT	138	B-000172 tax exepmt text line
COMPLETE_SUBTOTAL	139	check subtotal including comps and promos
DRIVER	140	delivery drivers name
QCOMBO_SPECIAL_MSG	141	
PAYMENT_REFUND	142	payment refund line on refund order
PAYMENT_REFUND_AUTH	143	payment refund auth line on refund order
ROUNDTOTAL	144	adjustment initialy for countries rounding up or down to the nearest nickel
PAYMENT_GUESTNAME	145	print pms guest name
GRAND_TOTAL	146	total including any payment tips
PAYMENT_BOGC	147	back office gift certificate redemption change due
PROMISE_TIME	148	order delivery promise time
CHANGETOCASHCARD	149	RFC 5474 -- put "change to cash card" on the receipt
MULTCURR_BALANCE	150	RFC 4239 -- MultCurrency display / printing
MULTCURR_CHANGE	151	RFC 6149 -- MultCurrency display / printing
PAYMENT_MULTCURR	152	second line for payment
BOGC_NUMBER	153	second line for back office gift certificate sale
FIXED_DOLLAR_GRATUITY	154	RFC 9315 -- support for fixed dollar gratuities
QTY_PRICE_PER_UNIT	155	RFC 10173 -- need second line for quantity priced items
MULTCURR_TOTAL	156	RFC 12290 -- need to support multiple currency totals
EQUALPAYMENT_GUEST	157	RFC 1040

EQUALPAYMENT_SPLIT	158	RFC 1040
CHECK_BALANCE_DUE_ITEM	159	RFC 1040
EQUALPAYMENT_ENDMARKER	160	RFC 1040
SERVICECHARGE	161	RFC 9783 -- Additional charge support.
GST	162	RFC 13900 -- Goods and Services Tax.
VBOGCTEXT	163	RFC 21445 -- Additional Text for VBO GC on FOH check.
GIFTCARD_NUMBER	164	RFC 21437 - Gift Card
GIFTCARD_AUTHCODE	165	RFC 21437 - Gift Card
GIFTCARD_TRANSCODE	166	RFC 21437 - Gift Card
GIFTCARD_BALANCE	167	RFC 21437 - Gift Card
GIFTCARD_VOID_NUMBER	168	RFC 21437 - Gift Card
GIFTCARD_VOID_AUTHCODE	169	RFC 21437 - Gift Card
GIFTCARD_VOID_TRANSCODE	170	RFC 21437 - Gift Card
TOKENS_DISPENSED	171	RFC 10961, 10975, 10978
TABLE_TENT	172	RFC 10962
PACKAGE_PROMO	173	RFC 10977
PACKAGE_ITEM	174	RFC 10977
PACKAGE_SPECIAL_MSG	175	
SEAT_SUBTOTAL	176	RFC 3925 Display Suborder SubTotal
BLK_GC_BOGO	177	Block Activated Gift Card BOGO
GIFTCARD_NUMBER_2	178	RFC 32616
EFREQUENCY_LINE_1	179	first line of eFrequency Info
EFREQUENCY_LINE_2	180	second line of eFrequency Info
EFREQUENCY_CHECK_TEXT	181	check text of eFrequency info

CTaxFlexType

CTax Flex Type enum used in CTaxFlex object.

Name	Value	Description
Always	0	
Quantity	1	
Subtotal	2	
Category	3	