**Customer**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **Customer** | | |
| **Definition** | Customer is main entity which contains information about customer | | |
| **Attributes** | customerID | Numeric, 6 digits, obligatory | The system gives the value from a counter when creating Customer |
| name | Alphabetic,30 characters, obligatory |  |
| **Associations** | Association with Group  Customer belongs to 1 group | | |
| Association with Contact person  Customer has 1 contact person | | |
| Association with Address  Customer has 2 addresses (visiting and postal address) | | |
| Association with Customer Site  Customer has 1 or many customer sites | | |
| Association with Contract  Customer has 1 contract | | |
| **Responsibilities** |  | | |
| **Operations** | Create | | |
| Update | | |
| Delete | | |
| **Volume** | The present number of customers is about 250. Yearly increase is estimated to be about 20-25%. Passive customers with no sales during the fiscal year will be deleted in year shift. | | |

**CustomerID**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **CustomerID** | | |
| **Definition** | CustomerID is a counter used to give unique identifier to new customer when it is created. | | |
| **Attributes** | Counter | Numeric, 6 digits, obligatory | The system gives the value from a counter when creating Customer |
| **Associations** |  | | |
|  | | |
| **Responsibilities** |  | | |
| **Operations** | Give value of the counter and increase the value by one | | |

**Customer Site**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **Customer site** | | |
| **Definition** | Customer site is a customer independent business entity, which orders Lahjapaja’s products. | | |
| **Super class** | - | | |
| **Attributes** | Customer site ID | numeric, 6 digits, obligatory | The system gives the value from a counter when registering new Customer site. |
|  | Name | Alphabetic, 30 characters | Site’s name according to customer site representative. |
| **Operations** | Create | | |
|  | Update | | |
|  | Delete | | |
| **Associations** | Association with Customer  each Customer Site belongs to 1 Customer | | |
|  | Association with Contract  each Customer site is signed with 0 or 1 Contract | | |
|  | Association with Address  each Customer site has 2 address (delivery & postal) | | |
| Association with Contact person  1 or many Customer sites are represented by one contact person. | | |
| **Responsibilities** | Takes care of Customer site information. | | |
| **Volume** | There are approximately 4 Customer sites per Customer. The present number of Customers is about 250, therefore number of Customer sites is close to 1000. Each year 20-25% increase is expected. | | |

**CustomerSiteID**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **CustomerSiteID** | | |
| **Definition** | CustomerSiteID is a counter used to give unique identifier to new customer when it is created. | | |
| **Attributes** | Counter | Numeric, 6 digits, obligatory | The system gives the value from a counter when creating Customer |
| **Associations** |  | | |
|  | | |
| **Responsibilities** |  | | |
| **Operations** | Give value of the counter and increase the value by one | | |

**Contact Person**

|  |  |  |
| --- | --- | --- |
| **Class name** | **Contact Person** | |
| **Definition** | Contact Person is the entity responsible for communicating with LahjaPaja OY. | |
| **Super class** | - | |
| **Attributes** |  | |
| Contact Person ID | Digits, 4 characters, Mandatory | The unique identification number of the Contact Person generated automatically by the system |
| FIrstName | Alphabetical, 30 characters, Mandatory | The First name of the contact person |
| LastName | Alphabetical, 30 characters, Mandatory | The Last name of the contact person |
| PhoneNumber | Digits, 15 characters, Mandatory | The telephone number on the contact person |
| Email | Alphabetical, 30 characters | The email contact on the contact person |
| **Operations** | Create |  |
| Update |  |
| Delete |  |
| **Associations** | Association with Customer – the one or many contact persons are connected to the Customer | |
| Association with Customer Site - the one or many contact persons are connected to the Customer | |
| Association with Address  each Contact Person has 1 address | |
| **Responsibilities** | Knows attributes of the Contact Person class | |
| **Volume** | As many as there are customers in the database | |

**ContactPersonID**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **ContactPersonID** | | |
| **Definition** | ContactPersonID is a counter used to give unique identifier to new customer when it is created. | | |
| **Attributes** | Counter | Numeric, 6 digits, obligatory | The system gives the value from a counter when creating Customer |
| **Associations** |  | | |
| **Responsibilities** |  | | |
| **Operations** | Give value of the counter and increase the value by one | | |

**Contract**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | | **Contract** | |
| **Definition** | | Contract is the entity responsible for communicating with LahjaPaja OY. | |
| **Super class** | | - | |
| **Attributes** |  | | |
| Contract Id | | Unique identifier of the class |
|  | | Definition of terms of delivery |
| Terms of Payment | | Definition of the rules of payment |
| Credit Limit | | Specification of the credit limit |
| Discount Rate | | Specification of the Discount Rate |
| **Operations** | Create | | |
| Update | | |
| Delete | | |
| **Associations** | Association with Customer – the one or many contact persons are connected to the Customer  Association with Customer Site - the one or many contact persons are connected to the Customer | | |
| **Responsibilities** | | Knows information about the contract – way of delivery, terms of payment and delivery, payment disorder | |
| **Volume** | | As many as there are customers in the database | |

**Terms** **of** **Delivery**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class name** | | **Terms of Delivery** | | |
| **Definition** | | Terms of Delivery is the entity responsible for setting terms of delivery | | |
| **Super class** | | Contract | | |
| **Attributes** |  | | | |
| DeliveryCode | | | Unique identifier of the class |
| Text | | | Definition of terms of delivery |
| **Operations** | Create | | | |
| Update | | | |
| Delete | | | |
| **Associations** | Association with Conract – one Terms of Delivery is connected to the Conract | | | |
| **Responsibilities** | | |  | |
| **Volume** | | Maximum 20 Terms of Delivery | | |

**Way of Delivery**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | | **Way of Delivery** | |
| **Definition** | | Way of Delivery is the entity responsible for setting way of delivery | |
| **Super class** | | Contract | |
| **Attributes** |  | | |
| Text | | Definition of terms of delivery |
| **Operations** | Create | | |
| Update | | |
| Delete | | |
| **Associations** | Association with Conract – one Way of Delivery is connected to the Conract | | |
| **Responsibilities** | |  | |
| **Volume** | |  | |

**Payment disorder**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Class name** | | | **Payment disorder** | |
| **Definition** | | | Payment disorder is the entity responsible for setting payment disorder | |
| **Super class** | | | Contract | |
| **Attributes** |
| Creditability Code | | | Y/N |
| Text | | | Comments |
| **Operations** | Create | | | |
| Update | | | |
| Delete | | | |
| **Associations** | Association with Contract – one Payment disorder is connected to the Contract | | | |
| **Responsibilities** | |  | | |
| **Volume** | | | Maximum 20 Terms of Delivery | |

**Terms of Payment**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | | **Terms of Payment** | |
| **Definition** | | Terms of Payment is the entity responsible for setting terms of payment | |
| **Super class** | | Contract | |
| **Attributes** | Number of Days for Payment | | Numeric, 2 digits. Number of days before payment is due. Example: "14 days net”. |
| Text | | Alphabetic, 20 characters |
| **Operations** | Create | | |
| Update | | |
| Delete | | |
| **Associations** | Association with Contract – one Terms of Delivery are connected to the Contract | | |
| **Responsibilities** | | | |
| **Volume** | | Maximum 20 Terms of Delivery | |

**Group**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **Group** | | |
| **Definition** | Group represents unique groups of customers | | |
| **Attributes** | groupId | Numeric, 2 digits, obligatory/ Alphabetic, 3 characters. Identifies customer group uniquely   |  |  | | --- | --- | |  |  | | The system gives the value from a counter when creating Group /Inserted manually by user  (The implementation way will be decided later on) |
| groupName | 30 characters, obligatory |  |
| **Associations** | Association with Customer   * A group has zero or more customers | | |
| **Responsibilities** | Group knows the customer is connected to. | | |
| **Volume** | For the moment we have 3 customer groups, however the number might change in the future. Usually the number of different customer groups is less than 10. | | |

**Address**

|  |  |  |  |
| --- | --- | --- | --- |
| **Class name** | **Address** | | |
| **Definition** | Address represents | | |
| **Attributes** | groupId | Numeric, 2 digits, obligatory/ Alphabetic, 3 characters. Identifies customer group uniquely   |  |  | | --- | --- | |  |  | | The system gives the value from a counter when creating Group /Inserted manually by user  (The implementation way will be decided later on) |
| groupName | 30 characters, obligatory |  |
| **Associations** | Association with Customer   * A group has zero or more customers | | |
| **Responsibilities** | Knows information about certain address which connected to Customer, Customer site or contact person. | | |
| **Volume** | For the moment we have 3 customer groups, however the number might change in the future. Usually the number of different customer groups is less than 10. | | |