



HSR

HOCHSCHULE FÜR TECHNIK
RAPPERSWIL

FHO Fachhochschule Ostschweiz

B2B-tec

Requirements Document

Hochschule für Technik Rapperswil
Master of Science in Software Engineering
Object-oriented Design



IFS

INSTITUTE FOR
SOFTWARE

**Behavior Specification****MUST**

Story	Place an order
	As a customer In order to buy products I want to place elements into the shopping cart and pay them.
Scenario 1	Customers should be able to order products. Given customer is logged-in by using his profile credentials When a customer has placed one or more products into the shopping cart Then the order item is assigned to the product and corresponding quantity And it should be possible to complete the order
Scenario 2	Customers should be able to pay order. Given customer is logged-in by using his profile credentials When has completed an order Then it should be possible to pay And and the order state changes to payed which enforces that shopping cart can't be mutated anymore
Scenario 3	Products in shopping cart should be mutable. Given that a customer has placed products into the shopping cart When the quantity is set to zero Then the product should be removed from the cart.
Scenario 4	Shipment should be initiated. Given that the customer has successfully payed an order Then the order state should be changed to ready for shipment And the products should be sent out for delivery.



Story	Administrate customer's profile
	As a customer In order to keep track of the orders I want to register a profile.
Scenario 1	New customers should be able to create profiles. Given that a customer isn't logged-in When the customer has specified his credentials consisting of an UID (unique business identification number) and password, and his delivery / billing address Then a new customer profile should be created And the customer is automatically logged-in into the new profile.
Scenario 2	Customers can log-in to the profile. Given that a customer is registered When a valid pair of UID and password (=credentials) are specified Then it should be possible to log-in to the customer's profile.
Scenario 3	Registration data can be mutated Given that a customer is logged-in When the account data as password and delivery / billing address is mutated Then the profile should be updated.
Scenario 4	Orders should be listed in the customer's profile as part of the order history. Given that a customer is logged-in When the customer has placed at least one order Then all orders with their corresponding shopping cart should be listed in the profile as a history

**Behavior Specification****SHOULD**

Story	Administrate products and categories
	As an administrator In order to maintain the products and categories I want to create, update and delete products and categories.
Scenario 1	Products should be categorizable. Given that an administrator is logged-in When the administrator assigns a product to a category Then the category should accommodate the product.
Scenario 2	Categories should be categorizable. Given that an administrator is logged-in When the administrator assigns a category to a category Then the category should accommodate the assigned category.
Scenario 3	Products should be maintainable. Given that an administrator is logged-in When the administrator creates, modifies or deletes products Then the product data (product name, description and additional specification) should be updated.
Scenario 4	Categories should be maintainable. Given that an administrator is logged-in When the administrator creates, modifies or deletes products Then the product data (product name, description and additional specification) should be updated.