

Lab Report 02

Assignment 02 - Use Cases and Class Diagrams

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Use Cases & Scenarios

Identify the use cases in this description and draw a use case diagram.

- basic idea is to record the situation in which something happens, explain what should happen, and describe any exceptional circumstances which might arise

Users of the site need to be able to search the treats offers - mostly pumpkins, but also all other kinds of Halloween treats. For Pumpkins, they need to **find information** on the type of Pumpkin, it's size and weight, and of course it's price and whether it has been carved already.

Users should be able to **buy a pumpkin online** and have it **delivered** to an address of their choice. They can **pay via various payment methods**, at least money transfer, credit card and a popular online payment service called MoneyPal. ... Users should also be able to rate the treats and post reviews and fotos. Administrators can edit and delete those reviews as needed.

Possible Use Cases

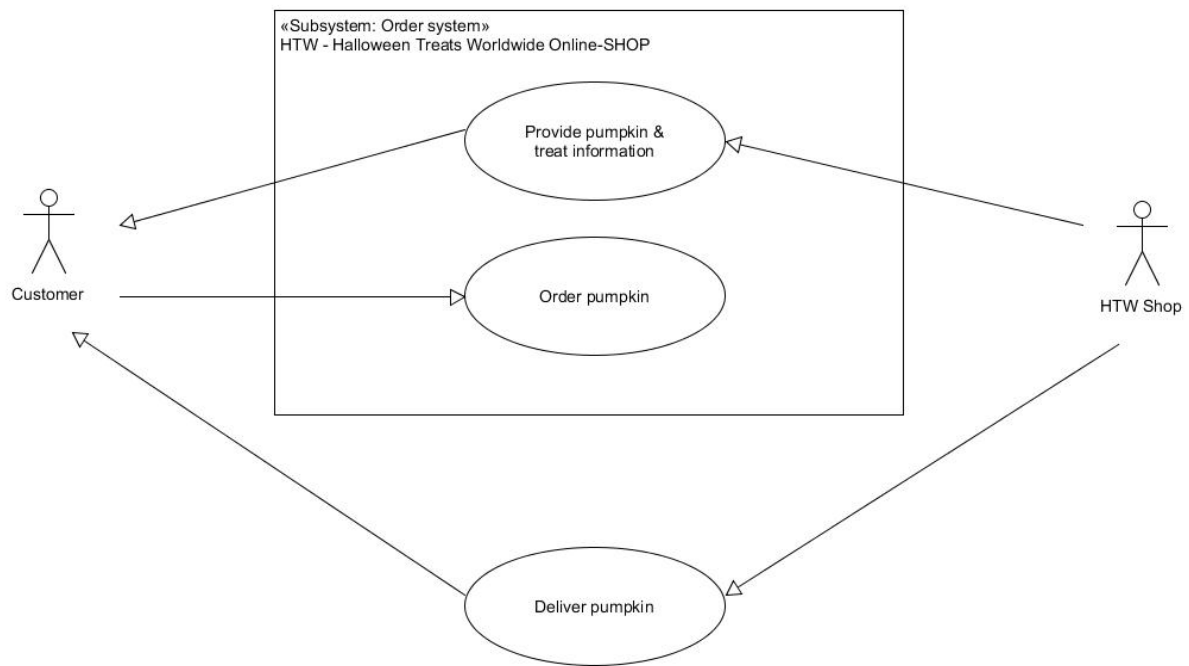
- Order Subsystem
- Information Subsystem
- Payment Subsystem
- Rating Subsystem
- Administration Subsystem (Use Case für Administratoren)
- Backend Subsystem

Then, pick the most important (or interesting) use case. Write down a detailed scenario for that use case (see below).

1. Use Case: Order Subsystem

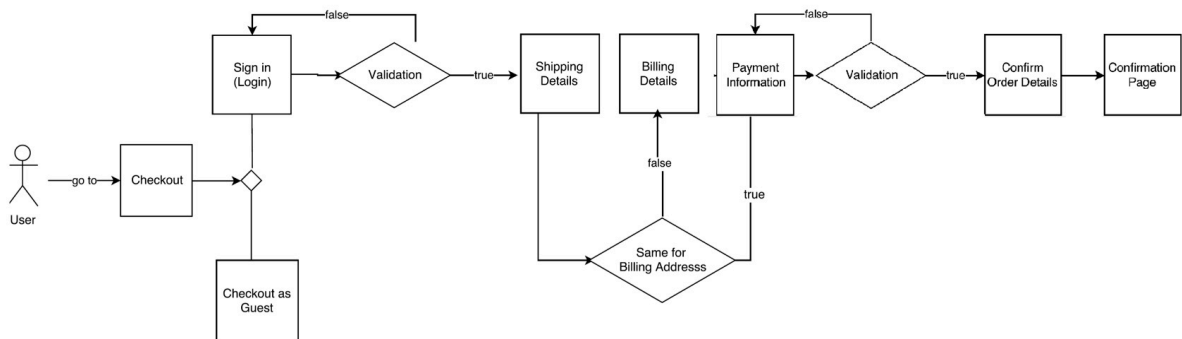
Um im Treats Worldwide Online Shop eine Bestellung zu tätigen, müssen einige Prozesse durchlaufen werden. Der Beschreibung der Applikation in der Aufgabenstellung entsprechend gibt der HTW Shop dem Kunden Informationen über die Kürbisse und Süßigkeiten. Der Kunde kann aus einer Auswahl von Produkten bzw. Kürbissen wählen und diese bestellen. Der HTW Shop kann die bestellten Kürbisse an den Kunden z.B. über ein Liefer bzw- Delivery System zustellen.

Hier ist ein Use Case Diagram für das Bestellsystem des Shops:

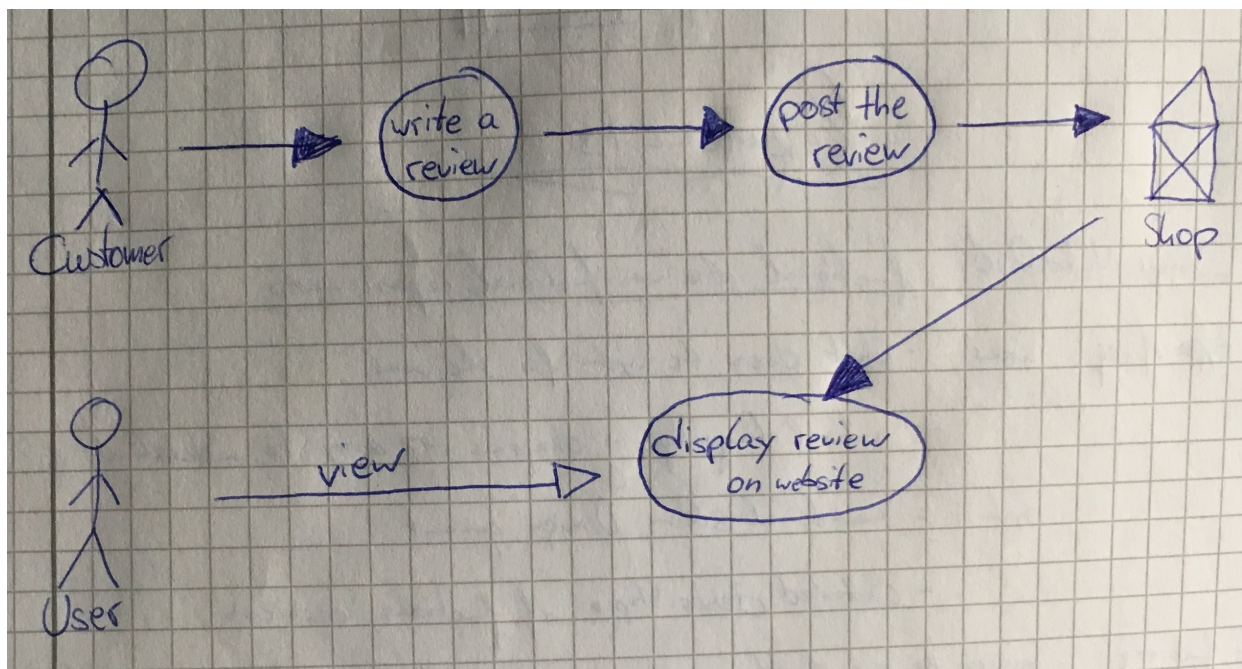


Use Case: Checkout

The checkout has several sub-steps allowing the user to choose his shipping and billing address. Due to the integration of several payment providers the user has the option to choose from several payment methods. Every entry from the user concerning the payment details is validated by the Payment provider which the shop owner can access through API. After choosing the payment method of the user's liking, the user has a chance to confirm his order details. The confirmation is emphasized via an landing page.



Use Case: Review



Class Diagram

Then, draw a Class Diagram for your Application. It should contain associations (aggregations and compositions, association classes as needed), generalizations, as well as the most important fields and method names of the

classes.

