Order Management Capability



Automated order processing is hard





Spryker utilizes state machines

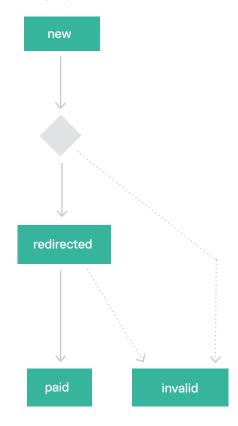
Spryker uses state machines to modelize, visualize and execute the order management system (OMS). This allows up to an 100% automated processes (even without an ERP system) and enables cross-department communication in companies.

States

The lifecycle of an order is presented in states.

```
<states>
    <state name="new"/>
    <state name="redirected"/>
    <state name="paid"/>
    <state name="invalid"/>
</states>
```

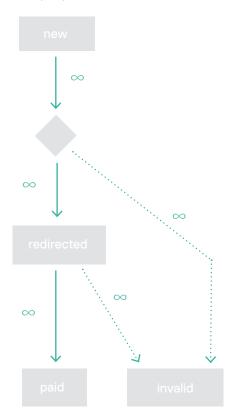
DummyPayment01



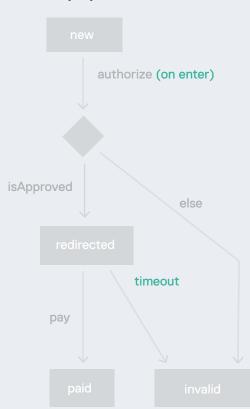
Transitions

Transitions are directed connections between different states, one transition connects two states together.

DummyPayment01



DummyPayment01



Events

Events are triggered to run a transition from the source state to the target one. To have full control of the order process, there are four kind of events: automatic, manual, timeout, and external API calls.

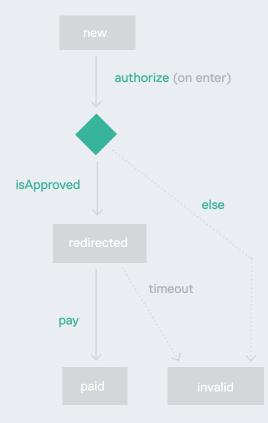
Conditions

Conditions are the replacement of the if-else conditions in a traditional process implementation.

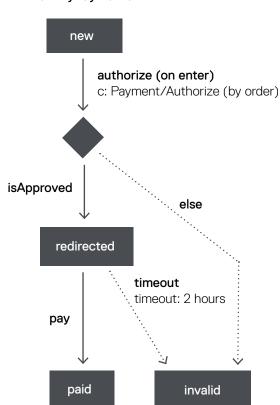
Commands

Commands are the extra functionalities added to an event, e.g. sending an email while moving from the source state to the target one.

DummyPayment01



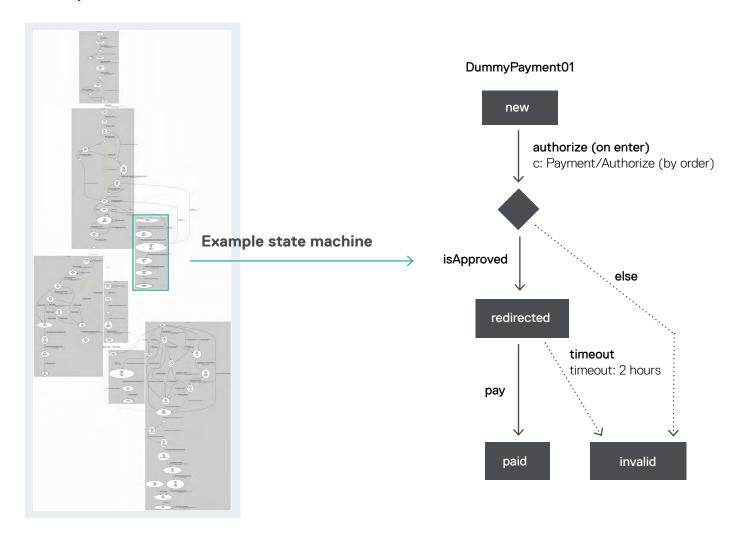
DummyPayment01

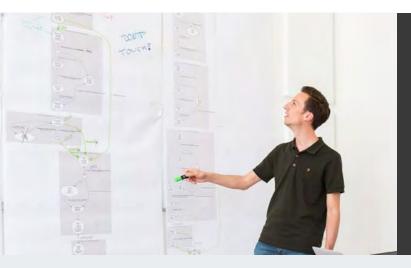


Full state machine

Real world state machines are big

- Spryker state machine supports versions, so you can have different versions of the same state machine.
- One shop can have several state machines for different processes.
- State machine can have sub-processes allowing better management of big processes
- All the data of all the orders in a shop is stored in the shop's database, great source for robust Bl analysis.

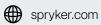




State machine in action @Contorion

"Die Website ist unsere #Baustelle" - Interview mit dem Contorion Projektmanagement.







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