Use Fairy Tale Saga Pattern for Billing Workflow

Date: **2022-04-17** **Status:** **Accepted**

Context

We need to create a workflow for our customer billing. Load for this workflow is predictable and information persistence is minimal. However the workflow requires error handling and resilience and is therefore not completely straightforward. The workflow does not require

Decision

We use the fairy tale saga pattern, since it is a nice compromise between implementation effort and possibilities for error handling.

Consequences

The orchestrator does not have to manage the completeness of the transaction. However, services need to take care of consistency by themselves (e.g., a customer should only be charged after the customer has been successfully updated in the database. This needs to be taken care of by the Charge Account service [Not implemented since domain logic not focus of the course]).

Orchestrator gives us a central entrypoint for error handling, while implementation complexity is still relatively low.