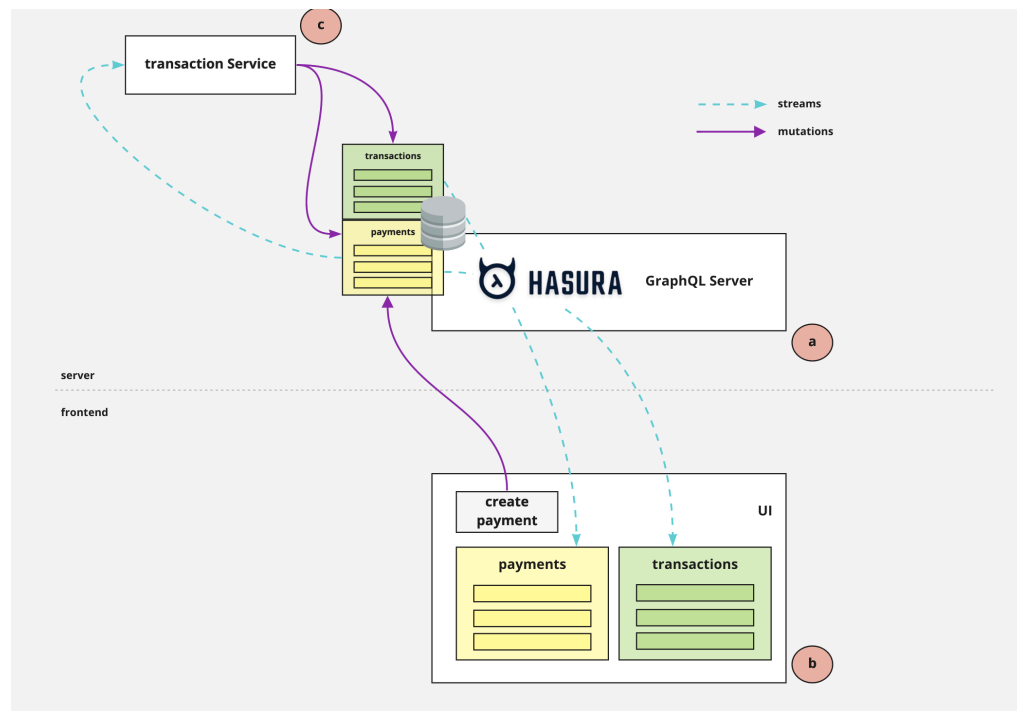


# Assignment: Reactive Systems

Leitner, David - leitnerd@technikum-wien.at

## 1 Usecase

You should create a small POC for a bank to get familiar with the concept and gain experience with this architectural style. The scenario for the POC is simple and is based on the assumption that payments that are created by the user, will be transferred to transactions at some point in time.



It consists of the following components:

- a simple transaction service that is responsible for transactions. Transactions can be created via a Rest-API or via the fact, that new payments are triggered by the UI.
- a Hasura GraphQL instance (<https://hasura.io/>) is used to simplify the setup. On this GraphQL-Server new payments are created and transactions can be consumed.
- A simple UI should stream the current transactions and payments and should allow creating new payments.