Client

Sends responses back to the client hiding implementation details in order to satisfy transparency

Sends Requests to the frontend for shop information or orders

Frontend

Hides the location and availability of resources from the client e.g. maintains which replica backend is the primary

Forwards client requests on to the current primary backend replica

Current Primary Replica sends responses back to the frontend so they can be served to the client

Backend appears as 1 entity to the frontend thus hiding the fault tolerance, satisfying transparency

Primary Replica

Sends acknowledgement response after an update is propagated

Backup Replica

Sends copy of local data to backup whenever an update request is processed

Backup Replica