Analysis Model of a Bank Christoph Knabe, 2018-10-03

«service» BankService

«commands»

createClient(username: String, birthDate: LocalDate): Client

deleteClient(client: Client)

«queries»

findClient(username: String): Client

findAllClients(): Client[]

findYoungClients(fromBirth: LocalDate): Client[] findRichClients(minBalance: Amount): Client[]

Stereotypes:

- «entity» Objects have an identity and are persistent.
- «service» Container for operations, which are not specific for an entity.

toDouble(): double

- «value object» Objects without identity and persistence
- «commands» Following operations modify the system state.
- «queries» Following operations do not modify the system state.

«entity» Client

-username: String-birthDate: LocalDate

«commands»

createAccount(accountName: String): AccountAccess

deposit(destination: Account, amount: Amount)

transfer(source: Account, destination: Account, amount: Amount)

addAccountManager(account: Account, manager: Client): AccountAccess

«queries»

findAccount(id: Long): Account

accountsReport(): String

