

App
<ul style="list-style-type: none"> - mainMenu - viewCurrentBalance - viewTransferHistory - sendBucks - viewPendingRequest - requestBucks

ConsoleService
<ul style="list-style-type: none"> - out: PrintWriter - in: Scanner
<ul style="list-style-type: none"> - getChoiceFromOptions(Object[] options): Object - getChoiceFromUserInput(Object[] options): Object - displayMenuOptions(Object[] options) - getUserInput(String prompt): String - getUserInputInteger(String prompt): Integer

AuthenticatedUser
<ul style="list-style-type: none"> + getToken(): String + setToken(String token) + getUser(): User + setUser(User user)

User
<ul style="list-style-type: none"> - balance: BigDecimal
<ul style="list-style-type: none"> + getId():Integer + setId(Integer id) + getUsername(): String + setUsername(String username) + getBalance(): BigDecimal + setBalance(BigDecimal balance)

TransferService
<ul style="list-style-type: none"> - BASE_URL: String - restTemplate: RestTemplate
<ul style="list-style-type: none"> + makeEntity(Transfer transfer): HttpEntity + send(Transfer)

Transfer
<ul style="list-style-type: none"> - id: int - transferType: String - transferStatus: String - userFrom: User - userTo: User - amount: BigDecimal
<ul style="list-style-type: none"> + setId(): int + getId(): int + setTransferType(String transferType) + getTransferType(): String + setTransferStatus(String transferStatus) + getTransferStatus(): String + setUserFrom(User user) + getUserFrom(): User + setUserTo(User user) + getUserTo(): User + setAmount(BigDecimal amount) + getAmount(): BigDecimal

TransferController

- TransferDAO dao
- UserDao userDao

+ getByld(int id): Transfer
+ create(int id, Transfer transfer): Transfer
+ updateBalance(User user): User

UserController

- TransferDAO dao
- UserDao userDao

+ getTransfersByUser(int userId): List<Transfer>
+ getBalance(User user): User

TransferDAO

- jdbcTemplate: JdbcTemplate

+ getTransferById(int id): List<Transfer>
+ create(Transfer transfer): Transfer
- mapRowToTransfer(SqlRowSet row)
- getNextId(): int

UserDAO

+ getTransferByUser(int userId): List<Transfer>
+ getAvailableFunds(int accountId): BigDecimal
+ updateBalance(int accountId, BigDecimal balance)
- mapRowToUser(SqlRowSet row) (add balance)

Transfer

- id: int
- transferType: String
- transferStatus: String
- userFrom: User
- userTo: User
- amount: BigDecimal

+ setId(): int
+ getId(): int
+ setTransferType(String transferType)
+ getTransferType(): String
+ setTransferStatus(String transferStatus)
+ getTransferStatus(): String
+ setUserFrom(User user)
+ getUserFrom(): User
+ setUserTo(User user)
+ getUserTo(): User
+ setAmount(BigDecimal amount)
+ getAmount(): BigDecimal

User

- balance: BigDecimal

+ getBalance(): BigDecimal
+ setBalance(BigDecimal balance)

