SIGN UP

Actors/Lifelines: User, Client, Server, Storage (Database)

User → Client: sign up (email, password, phone)

Client → Server: POST (email, password, phone)

Server → Storage (Database): CREATE (email, phone, hashedPassword)

alt

[if found] — Storage → Server: email exists

Server → Client: status: 409

Client → User: User with this name already exists

[else if error] — Storage → Server: error

Server → Client: server error

Client → User: Internal server error

[else] — Storage → Server: new Id

Server → User: 6 digit code (via phone)

User → Client: 6 digit code

Client → Server: POST (6 digit code)

alt

[if incorrect] — Server → Client: error

Server → Storage (Database): DELETE (Id)

Client → User: Incorrect code!

[else] — Server → Client: status: 201

Server → Storage (Database): Maybe Update (isActive->true)

Client → User: User registered successfully!

LOG IN

User → Website (Client): login (email, password)

Website (Client) → Server: POST (email, password)

Server → Storage (Database): READ (email, hashedPassword)

alt
- [if not found]
  - Storage (Database) → Server: not found
  - Server → Website (Client): status: 401
  - Website (Client) → User: Incorrect login or password
- [else if error]
  - Storage (Database) → Server: server error
  - Server → Website (Client): server error
  - Website (Client) → User: Internal server error
- [else]
  - Storage (Database) → Server: found (Id)
  - Server → Website (Client): status: 200, JWT
  - Website (Client) → User: Logged in successfully!

alt
- Website (Client) → Server: GET balance, transactions for Id
- [if error]
  - Server → Website (Client): error
  - Website (Client) → User: server error
  - Website (Client) → User: Error page
- [else]
  - Server → Website (Client): balance, transactions
  - Website (Client) → User: status:200, balance, transactions
  - Website (Client) → User: Dashboard page

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LOG OUT

User → Website (Client): logout button click
Website (Client) → Server: POST
Server → JWT server: token_blacklist(token)

alt

[if not found]
JWT server → Server: not found
Server → Website (Client): status: 401

[else if error]
JWT server → Server: server error
Server → Website (Client): server error

[else]
JWT server → Server: found (Id)
Server → Website (Client): status: 200
Website (Client) → User: Welcome page