

## Priorities

- Registration before authorization
  - Will need to know registration information to help with authorization
  - Fully design registration

## Tables

- Up to us to decide about separate tables in database or different databases for public/private accounts
- Each feature's tables will be in one database
  - Multiple databases inside a singular database server or 1 database has collection of tables

## Authentication

- LLD Diagram
  - After we switch from login view to OTP view, how do we pass the credentials to where we're handling OTP validation?
    - Typically OTP has a time limit, generally very small.
      - Healthcare or defense related (5 min)
      - Financial (1-2 min)
    - Build an OTP table
  - Issues
    1. Accounts is a terrible name, is it user account or some other type of account
      - Be very descriptive with naming so it's clear to whoever is reading design
    2. Data store is typically referred to as Data Base System
      - "Relational Database Management System" => Server
      - Database within server => database
        - ◆ Naming should make it clear that it's a database
    3. What table will be interacted with?
      - Can clarify it in a self-referential line at the database level
      - Select is a self-reference inside the lifeline block
      - Note the table name that it is interacting with
    4. What is the table? Is it okay to store data in that table?
      - User Account Table
      - Access to the table gives access to every column of the table
      - Design must be secure in nature
  - We can let them use their username to log in with OTP (might need some clarification for this - darius)

## Role Based Auth with System.Security.Principal Namespace

- If we want to follow SOLID
  - Only use Identity and Iprincipal
- Role identity and role principal

## Data Access and Store LLD Syntax

- SELECT COUNT does not have a count method, standard SQL
  - Return singular value
- Self-referential loop about what values result has
  - Return result object

## Design aspects to be careful of

- Implementation matches design
- Spend ample time on design, make sure that the scenarios designing for are single use-cases

- They were trying to combine authentication and OTP
- Authentication must be thought of as two separate entities and test cases

★ Create result, create account lifeline in LLD for registration