

1 DAY 1 CHALLENGE ... until urgh ... I get gf?

DAY 8 (15th Jan 2024) (by Syafiqlim)

Part 1

Secure Digital ID , unique token QR code changes every 30 seconds , store and update uniqueToken in database , create API for GET request username for Digital ID scanner , [Embedded JavaScript (EJS) , Express.js , bcryptjs , cors , Node.js, MySQL]

Part 2

Secure Digital ID Scanner using QR code script from <https://cdn.jsdelivr.net/npm/jsqr/dist/jsQR.min.js> and HTML5 camera access , GET request from API for retrieve username of corresponding QR code

Dependencies and requirements

1. Node modules for digital-id-userprofile :
 - i. express
 - ii. express-session
 - iii. mysql2
 - iv. bcryptjs
 - v. ejs
 - vi. qrcode
 - vii. cors
2. MySQL database (schema provided)
3. Node module for digital-id-scanner :
 - i. express
 - ii. ejs

Flow

1. Open digital-id-userprofile and execute “ node index.js ” . Open localhost:3000 and login (register if no account).
2. Open digital-id-userprofile on localhost:3001 and scan the QR code.
3. The username of corresponding username will be printed in console log.
(Results videos provided)

Basic Explanation

- It saves the uniqueToken in the database and update it every time it refresh and changes.
- It prints the corresponding username from uniqueToken, GET request from API server to response corresponding username from uniqueToken through database.
- Using Cros-Origin Resource Sharing (cors) to allow sharing resources across different ports/domain/scheme.
- Using HTML5 camera access to request camera access
- Using script from <https://cdn.jsdelivr.net/npm/jsqr/dist/jsQR.min.js> for QR code scanner.