

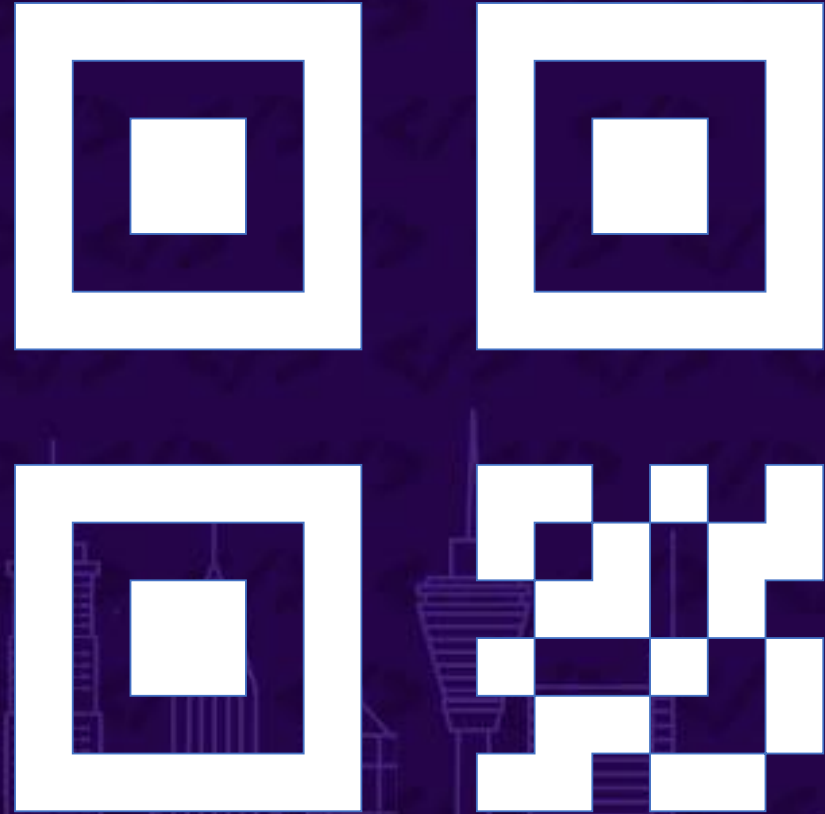
QR IDENTITY

KL-S-0040

Project by:
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A solution for the PRIHATIN THEMES No.4

- Our solution is based on the QR Code where the information is encrypted, and users just need to scan the QR code. It will populate the input form automatically. Thus it solve the discrepancies and the need for the users to entered manually.
- This also helps in integrating of others web application using single key with Quick Response



Scenario Problem

- An old man came to open bank account and give the IC to the bank clerk. The bank clerk not able to scan and verify the card due to damage chips. The old man need to go to JPN and renew but it takes a while and the bank close. The tomorrow morning the old man came with the new card and he need to fill up a form. The old man has difficulty to read the form and required many assistance and it take 20 minutes to fill the form. Finally the old man able to open his account.

Technology

Encryption that
we use are:



AES-256-CBC



MD5

How to proceed

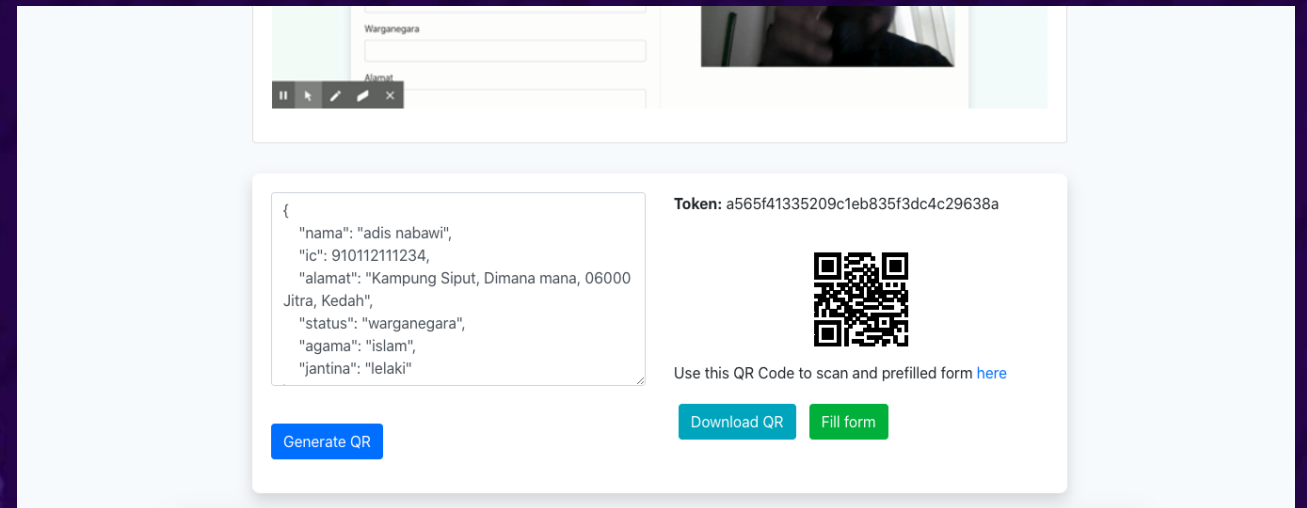
- The QR code should be generated before printed the identification card and located at the back of the card. User can scan their QR code using their IC with camera enabled computer thus make it easy to use.
- The apps for phone also created for the sensitive information access such as relative personal information.



Github Link

<https://github.com/adisnabawi/MyHackathonKL2020>

We provided the sample demo code to emulate how the solution will be able to work.



The screenshot shows a web application interface. At the top, there are input fields for 'Warganegara' and 'Alamat', with a video feed on the right. Below this, a JSON object is displayed in a code block:

```
{  "nama": "adis nabawi",  "ic": 910112111234,  "alamat": "Kampung Siput, Dimana mana, 06000 Jitra, Kedah",  "status": "warganegara",  "agama": "islam",  "jantina": "lelaki"}
```

 To the right of the JSON, a 'Token' is shown: 'Token: a565f41335209c1eb835f3dc4c29638a'. Below the token is a QR code and the text 'Use this QR Code to scan and prefilled form [here](#)'. At the bottom, there are three buttons: 'Generate QR' (blue), 'Download QR' (teal), and 'Fill form' (green).

You can use this QR Code as well



Demo

<https://hackathonkl20.adisazizan.xyz/>

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Thank you

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