

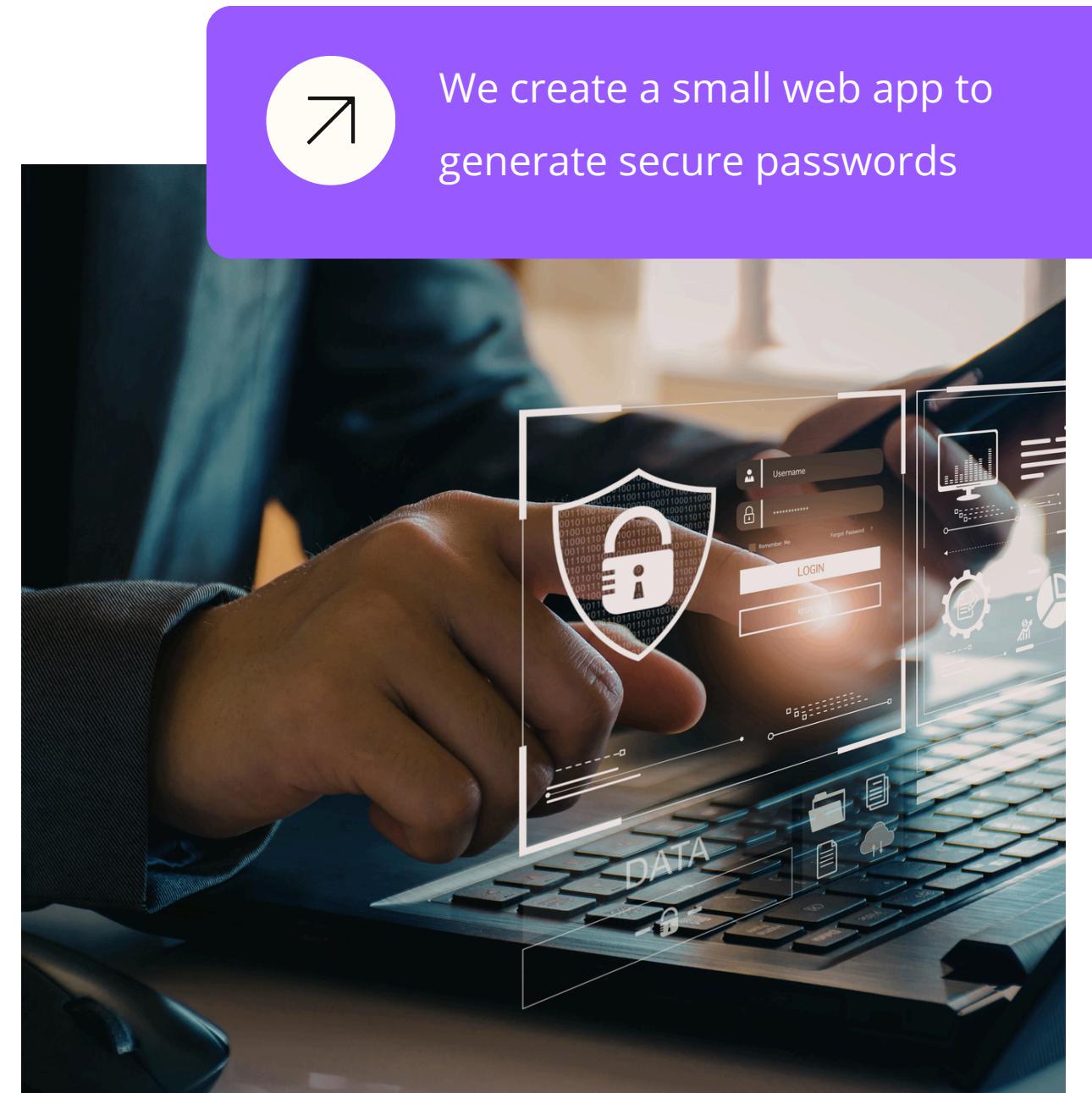


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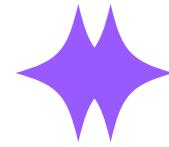
จัดทำโดย

1670704251 นุชนิชา รุ่งพรหมา เลขที่ 23

1670704376 รนกฤต ดีเนียม เลขที่ 24



We create a small web app to
generate secure passwords

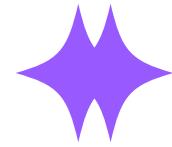


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Presentation: Password & Passphrase Generator

A small web app to generate secure passwords and passphrases, preview history, and show security score and tips.

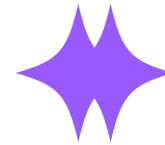


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ជូនដែលត្រូវការកុំព្យូទ័រ ដើម្បីបង្កើតគម្រោងក្នុង^{និង} ការកុំព្យូទ័រអ្នកប្រើប្រាស់ និងការកុំព្យូទ័រអ្នកប្រើប្រាស់

ជួយការកុំព្យូទ័រអ្នកប្រើប្រាស់
និងការកុំព្យូទ័រអ្នកប្រើប្រាស់





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ສາປັຕຍກຣມແລະເທດໂນໂລຢີ

- Frontend: React + TypeScript (Vite
ເປັນ bundler/development server)

- Styling: Tailwind CSS ສໍາຮັບ
utility-first styling

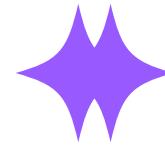
- Build & Scripts:
- `npm`

- Deploy: Vercel (Git
integration, preview
deployments)



- ໃຊ້ `VITE_` prefix ສໍາຮັບຄ່າທີ່ຕ້ອງໃຊ້ໃນ
frontend (ເຊັ່ນ `VITE_SUPABASE_URL`,
`VITE_SUPABASE_ANON_KEY`)

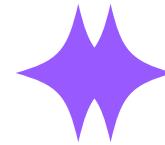
- UI → generator util (ສຸ່ນ/ປະກອບ) →
ແສດງ/ຄັດລອກ → (ລ້າ enable) post ໄປຍັງ
Supabase → ແສດງປະວັດ



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ເປີດແອປຈາກລົງກໍ Deploy:
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The screenshot shows the Password Generator application interface. The main title is "Password Generator" with the subtitle "Generate strong, unique passwords". In the center, a large password field displays the generated password: **v(ii*LeS_eG]2X**. Below the password field are two buttons: "Regenerate" and "Copy". To the right of the password field is a "Security Score" section showing "Strong" (with a century icon) and a progress bar. Below the score are three details: "Thousands of years to hack this password", "Length 14 characters", and "Character Types a-z, A-Z, 0-9, symbols". On the left side, there are two sections: "Password" and "Passphrase". The "Options" section includes a "Length" slider set to 14, with a range from 5 to 128. Under "Include", four checkboxes are checked: "A-Z", "a-z", "0-9", and "!@#\$%^". At the bottom, there is a "History" section with a circular arrow icon.



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เลือกตัวเลือก (เช่น length = 22, include symbols)
→ กด Generate

The screenshot shows the Password Generator application interface. On the left, there are two tabs: "Password" (selected) and "Passphrase". Below these are sections for "Options" (Length set to 22), "Include" (checkboxes for uppercase, lowercase, numbers, and symbols are checked), and "History". The main central area displays the generated password: **UNi.ehSMP4W<;F,_v{\\${Uz}**. Below the password are "Regenerate" and "Copy" buttons. To the right, the "Security Score" is shown as **Strong** (with a clock icon) and "centuries". A progress bar indicates it would take thousands of years to hack. Below the score, details about the password length (22 characters), character types (a-z, A-Z, 0-9, symbols), and a security tip are provided.

Password Generator
Generate strong, unique passwords

UNi.ehSMP4W<;F,_v{\\${Uz}

Regenerate Copy

Length: 22

Options: A-Z, a-z, 0-9, !@#\$%^&*

History

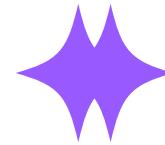
Security Score: Strong (centuries)

Thousands of years to hack this password

Length: 22 characters

Character Types: a-z, A-Z, 0-9, symbols

Security Tips



passwordgenerator23w24.vercel.app



เลือกตัวเลือก (เช่น length = 22, include symbols)
→ กด Generate

The screenshot shows the Password Generator application interface. On the left, there are two tabs: "Password" (selected) and "Passphrase". Below these are sections for "Options" (Length set to 22), "Include" (checkboxes for uppercase, lowercase, numbers, and symbols are checked), and "History". The main central area displays the generated password: **UNi.ehSMP4W<;F,_v{\\${Uz}**. Below the password are "Regenerate" and "Copy" buttons. To the right, the "Security Score" is shown as **Strong** (with a clock icon) and "centuries". A note says "Thousands of years to hack this password". Below that, it shows "Length 22 characters" and "Character Types a-z, A-Z, 0-9, symbols". At the bottom right is a "Security Tips" section.

>Password

Passphrase

Options

Length: 22

Include:

- A-Z
- a-z
- 0-9
- !@#\$%^&

History

Password Generator

Generate strong, unique passwords

UNi.ehSMP4W<;F,_v{\\${Uz}

Regenerate

Copy

Security Score

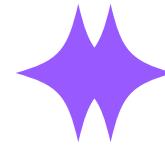
Strong centuries

Thousands of years to hack this password

Length 22 characters

Character Types a-z, A-Z, 0-9, symbols

Security Tips



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ຫາກຄດ Regenerate Password ຈະຄູກບັນທຶກທີ່ History ວັດໄນມັຕິ

Password Generator

Generate strong, unique passwords

Vh*E1Q?>Vg7YRLm*j)S9pk

Regenerate

Copy

History

Nov 30, 11:50 PM

Vh*E1Q?>Vg7YRLm*j)S9pk

Clear

Load

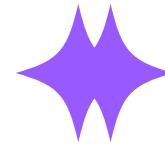
Security Score: Strong (centuries)

Thousands of years to hack this password

Length: 22 characters

Character Types: a-z, A-Z, 0-9, symbols

Security Tips: Excellent password



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LOCAL RUN

```
PS C:\Users\Nisha> git clone https://github.com/Eterhart/CS436_FinalProject.git
>> cd CS436_FinalProject/04_Implementation
>>
Cloning into 'CS436_FinalProject'...
remote: Enumerating objects: 88, done.
remote: Counting objects: 100% (88/88), done.
remote: Compressing objects: 100% (68/68), done.
remote: Total 88 (delta 17), reused 86 (delta 15), pack-reused 0 (from 0)
Receiving objects: 100% (88/88), 13.28 MiB | 9.73 MiB/s, done.
Resolving deltas: 100% (17/17), done.
PS C:\Users\Nisha\CS436_FinalProject\04_Implementation> npm install
>>

added 288 packages, and audited 289 packages in 18s
65 packages are looking for funding
  run `npm fund` for details
```



ເປົ້າ terminal

git clone

https://github.com/Eterhart/CS436_FinalProject.git
cd CS436_FinalProject/04_Implementation



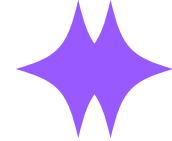
ຕິດຕັ້ງ dependencies

npm install



ຮັບໃນໂຄມດພັນນາ

npm run dev



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THANK YOU

SO MUCH!

