

Backend stack – NodeJS, MongoDB, Docker Desktop, Axios, Json-webtoken, cors, Joi, dotenv.

Frontend stack – VueJs, Bootstrap, Vue-router, Axios, Vite.

1. Install all necessary tools – Docker Desktop, MongoDB compass and NodeJS.
2. Run command `'npm I'` in terminal of all project folder to install all package.
3. First terminal, cd mongodb folder to Compose up database
4. Secord terminal, cd vue-vuetify folder and run command `'npm run dev'`.
5. Third terminal, cd nodejs-express-mongodb folder and run command `'npm start'`.
6. After setting all, web application is ready to use.

Usage of web application

1. Only employee can use this web application, so employee must sign-in with email & password. If employee does not exist, must register as a new employee as figure2. After signup, it will redirect to sign-in page.

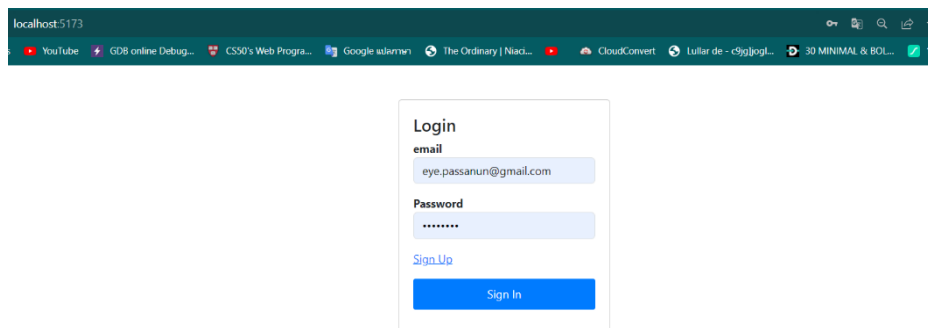


Figure1- employee authentication

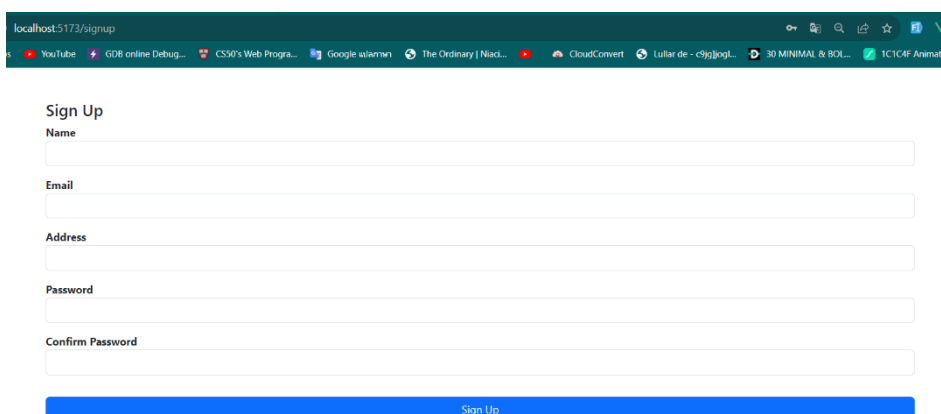
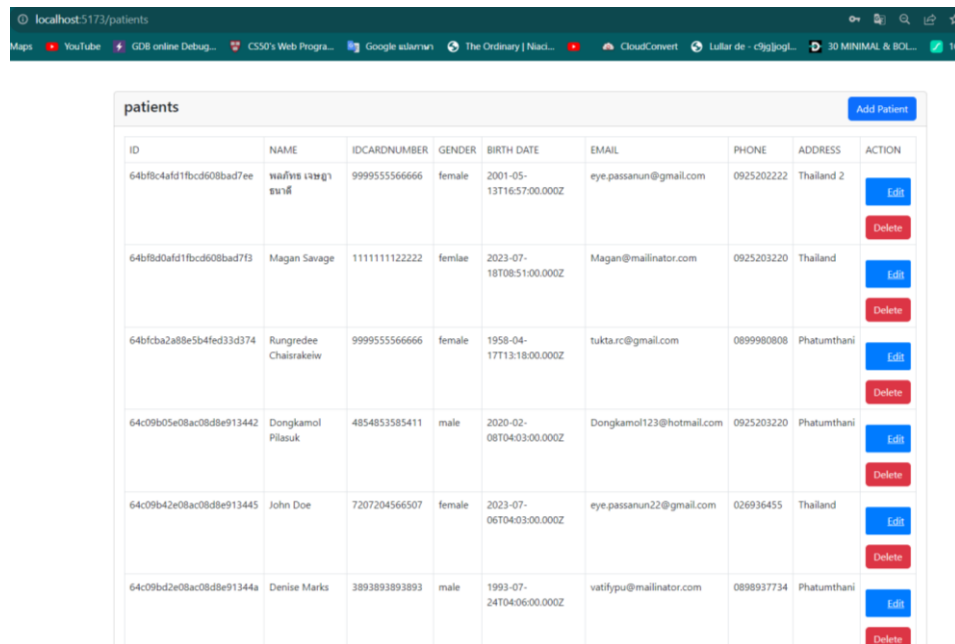


Figure2- new employee authentication

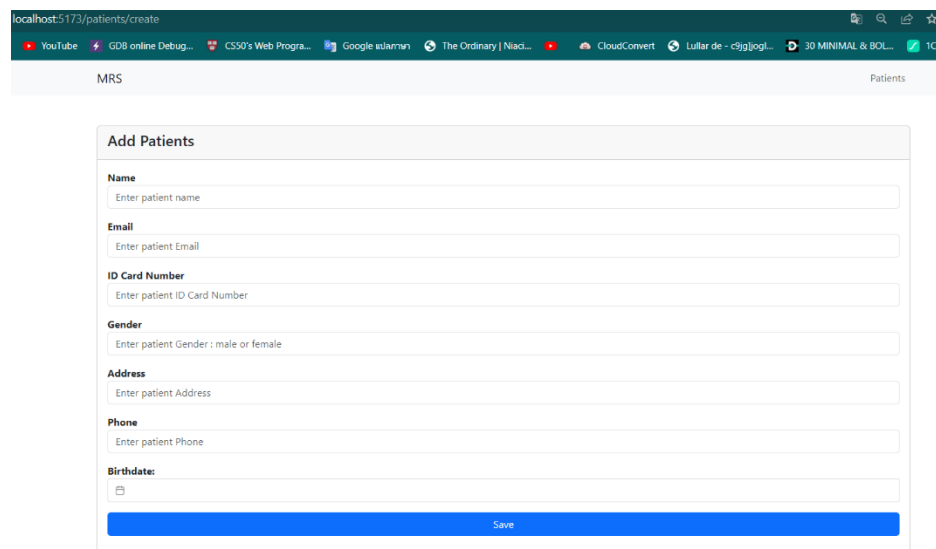
2. After sign-in, it will redirect to /patients page as figure3.



ID	NAME	IDCARDNUMBER	GENDER	BIRTH DATE	EMAIL	PHONE	ADDRESS	ACTION
64bf8c4afd1fbc608bad7ee	นางพินิจ เวชกุล ธนาคี	9999555566666	female	2001-05- 13T16:57:00.000Z	eye.passanun@gmail.com	0925202222	Thailand 2	<a href="#">Edit</a> <a href="#">Delete</a>
64bf8d0afd1fbc608bad7f3	Magan Savage	1111111122222	femlae	2023-07- 18T08:51:00.000Z	Magan@mailinator.com	0925203220	Thailand	<a href="#">Edit</a> <a href="#">Delete</a>
64bf8c2a88e5b4fed33d374	Rungredee Chaisrakelw	9999555566666	female	1958-04- 17T13:18:00.000Z	tukta.rc@gmail.com	0899980808	Phatumthani	<a href="#">Edit</a> <a href="#">Delete</a>
64c09b05e08ac08d8e913442	Dongkamol Pilasuk	4854853585411	male	2020-02- 08T04:03:00.000Z	Dongkamol123@hotmail.com	0925203220	Phatumthani	<a href="#">Edit</a> <a href="#">Delete</a>
64c09b42e08ac08d8e913445	John Doe	7207204566507	female	2023-07- 06T04:03:00.000Z	eye.passanun22@gmail.com	026936455	Thailand	<a href="#">Edit</a> <a href="#">Delete</a>
64c09bd2e08ac08d8e91344a	Denise Marks	3893893893893	male	1993-07- 24T04:06:00.000Z	vatifypu@mailinator.com	0898937734	Phatumthani	<a href="#">Edit</a> <a href="#">Delete</a>

Figure3- patient list

3. Employee can add new patient by click a button “add patient”. After add new patient to form, new patient will show under the form as patient list



localhost:5173/patients/create

MRS Patients

**Add Patients**

**Name**  
Enter patient name

**Email**  
Enter patient Email

**ID Card Number**  
Enter patient ID Card Number

**Gender**  
Enter patient Gender : male or female

**Address**  
Enter patient Address

**Phone**  
Enter patient Phone

**Birthdate:**

[Save](#)

Figure4- add new patient

4. Employee can edit the patient information by click a button “Edit” as figure5. After edit it will appear at /patients page.

localhost:5173/patients/64bf8c4fd1fbc608bad7ee

YouTube GDB online Debug... CS50's Web Progra... Google slaman The Ordinary | Niad... CloudConvert Lullar de - c9glogl... 3D MINIMAL & BOL... 1C1C48

### Edit Patients

**Name**  
พาสันนุณ เจษฎาธนาดี

**Email**  
eye.pasanun@gmail.com

**ID Card Number**  
999955566666

**Gender**  
female

**Address**  
Thailand 2

**Phone**  
0925202222

**Birthdate:**  
05/13/2001, 23:57

Save

Figure5- edit page will show saved information

5. Employee can delete the patient information by click a button “Delete”, It will alert window to ask that really want to delete patient as figure6. After edit it will disappear from /patients page.

localhost:5173/patients

localhost:5173 says  
Are you sure to delete this patient?  
OK Cancel

patients

ID	NAME	IDCARDNUMBER	GENDER	BIRTH DATE	EMAIL	PHONE	ADDRESS	ACTION
64bf8c4fd1fbc608bad7ee	พาสันนุณ เจษฎาธนาดี	999955566666	female	2001-05-13T16:57:00.000Z	eye.pasanun@gmail.com	0925202222	Thailand 2	Edit Delete
64bf8d0afd1fbc608bad7f3	Magan Savage	1111111122222	femlae	2023-07-18T08:51:00.000Z	Magan@mailinator.com	0925203220	Thailand	Edit Delete
64bfcb2a89e5b4fed33d374	Rungredee Chairsakelw	999955566666	female	1958-04-17T13:18:00.000Z	tukta.rc@gmail.com	0899980808	Phatumthani	Edit Delete
64c09b05e08ac08d8e913442	Dongkamol Pilasuk	4854853585411	male	2020-02-08T04:03:00.000Z	Dongkamol123@hotmail.com	0925203220	Phatumthani	Edit Delete
64c09b42e08ac08d8e913445	John Doe	7207204566507	female	2023-07-06T04:03:00.000Z	eye.pasanun22@gmail.com	026936455	Thailand	Edit Delete
64c09bd2e08ac08d8e91344a	Denise Marks	3893893893893	male	1993-07-24T04:06:00.000Z	vatifypu@mailinator.com	0898937734	Phatumthani	Edit Delete

Figure6- edit page will show saved information