Contact Manager Documentation

Contact Manager is a simple CRUD application for job interview with Industry X.0.

+ Summary

- Technologies used.
- Architect.
- Demonstration.

+ Technologies used

For the development of Contact Manager, we used PHP in the backend and JavaScript for frontend as our main languages. Also, we used Docker for building and GitHub for versioning, here is the list of full tools and technologies used during the development of this project:

- Vue.js: is a JavaScript framework for building user interfaces. It builds on top of standard HTML, CSS, and JavaScript and provides a declarative, component-based programming model that helps you efficiently develop user interfaces of any complexity, and i took this chance to start learning it.

- PHP : A popular general-purpose scripting language that is especially suited to web development. Fast, flexible and pragmatic, PHP powers everything from your blog to the most popular websites in the world.

- Docker : Docker is a tool that is used to automate the deployment of applications in lightweight containers so that applications can work efficiently in different environments in isolation.
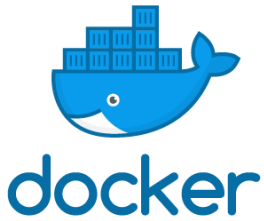
- MySQL : is an open-source relational database management system (RDBMS).

- Tailwind CSS : is a utility-first CSS framework for rapidly building modern websites without ever leaving your HTML.

- Postman : software that offers an API platform for developers to design, build, test, and collaborate on APIs.

- Visual Studio Code : commonly referred to as VS Code, is an integrated development environment developed by Microsoft.

- GitHub : is a developer platform that allows developers to create, store, manage, and share their code. It uses Git software, which provides distributed version control of access control, bug tracking, software feature requests, task management, continuous integration, and wikis for every project.

- Vercel : is a platform for developers that provides the tools, workflows, and infrastructure you need to build and deploy your web apps faster, without the need for additional configuration.

- Render : helps software teams ship products fast and at any scale. We host everything from hundred-line prototypes to applications with hundreds of services, all with a relentless commitment to reliability and uptime.

+ Architect

The project is developed following the MVC design pattern, where the model and controller developed in the PHP backend and Vue.js is the vue part of tha application :

- Application architect :

```
CONTACT-MANAGEMENT
├── Backend
│   ├── Logs
│   ├── public
│   ├── src
│   │   ├── controllers
│   │   ├── models
│   │   └── Router.php
│   ├── vendor
│   ├── .env
│   ├── .gitignore
│   ├── composer.json
│   └── Dockerfile
│
└── frontend
    ├── src
    │   ├── assets
    │   ├── components
    │   └── router
    ├── .env
    ├── .gitignore
    ├── babel.config.js
    ├── Dockerfile
    └── package.json
```
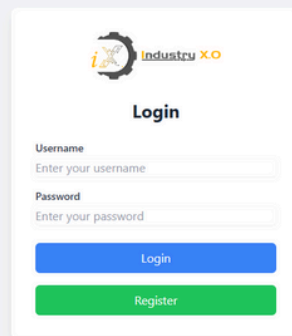
- Database structure :

```
+------------------+          +------------------+
|     users        |          |     contacts     |
+------------------+          +------------------+
| id (PK)          | <------ | user_id (FK)     |
| username         |          | id (PK)          |
| password         |          | first_name       |
| created_at       |          | last_name        |
+------------------+          | age              |
                              | country          |
                              | email            |
                              | phone            |
                              | created_at       |
                              +------------------+
```
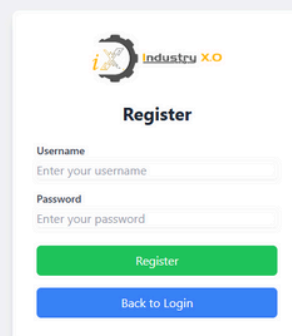
+ Demonstration

Screenshots from our application :

- Login and registration pages :

- Contact Crud pages :

Contacts

Search contacts...

Add Contact

No contacts found.

Contacts

Search contacts...

Add Contact

Add New Contact

First Name

Sassi

Last Name

Ben Hammouda

Email

sassihammouda49@gmail.com

Phone

hhhhhhhhhh

Phone number must be 10-15 digits.

Age

30

Country

Tunisia

Cancel   Save Contact

Contacts

Search contacts...

Add Contact

Add New Contact

First Name
Sassi

Last Name
Ben Hammouda

Email
sassihammouda49

⚠️ Please include an '@' in the email address. 'sassihammouda49' is missing an '@'.

222222222222
Phone number must be 10-15 digits.

Age
30

Country
Tunisia

Cancel   Save Contact

Contacts

Search contacts...

Add Contact

Sassi Ben Hammouda
Email: sassihammouda49@gmail.com
Phone: 21626769225
Age: 30
Country: Tunisia

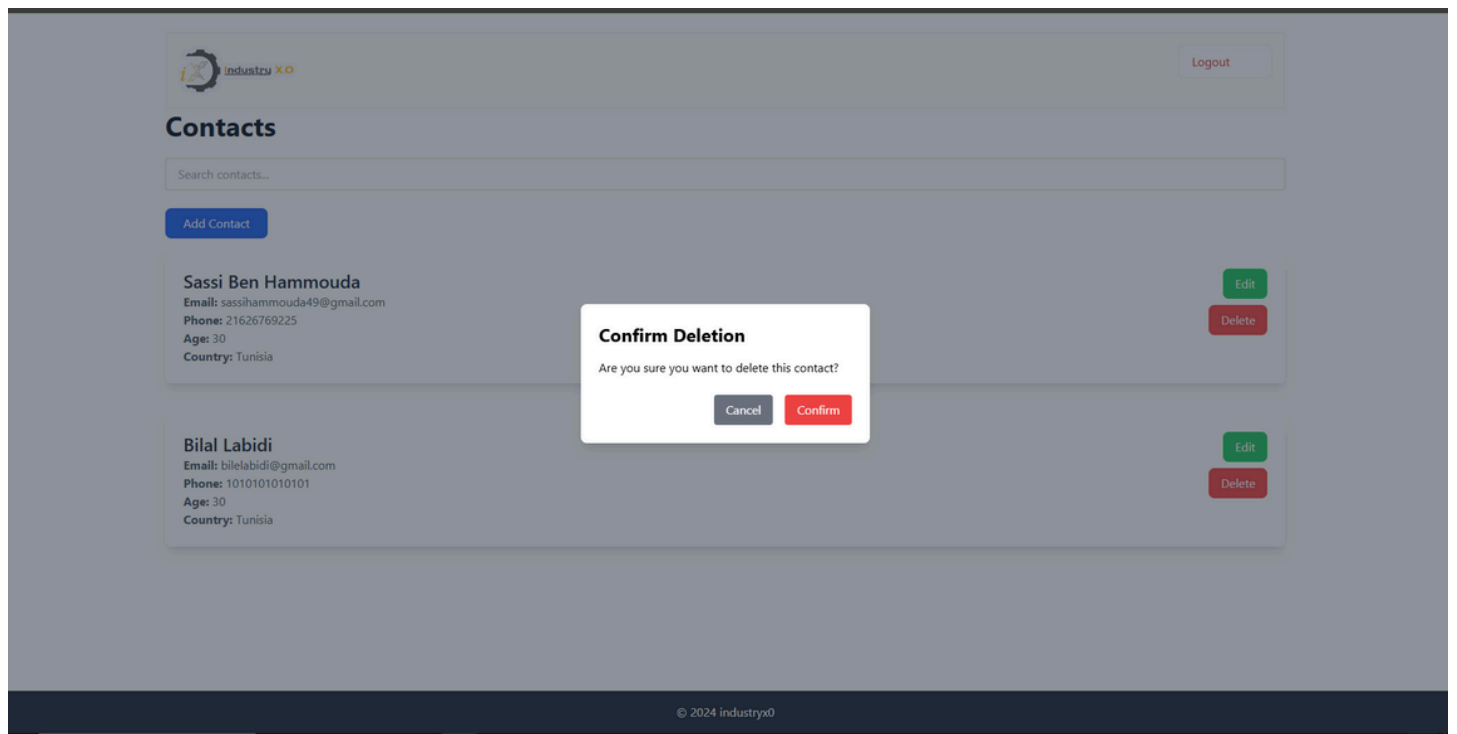Edit

Delete

Bilal Labidi
Email: bilelabidi@gmail.com
Phone: 1010101010101
Age: 30
Country: Tunisia

Edit

Delete

+ Conclusion :

This application was an opportunity to me to manipulate and try new technologies and tools like VueJs and Render , and i hope we work together.
NB: in the Git repository there is a Postman collection file for the api created.