



Fresher challenge

Xin chào !! Fresher challenge được sinh ra nhằm mục đích recall các kiến thức về Web development cho các Future Truer.

Bạn nào đã quen với việc làm Web development, MVC, OOP thì đây là một dịp để các bạn tổng hợp và gọi lại kiến thức trước khi chính thức làm quen với Framework tại True.

Với bạn nào chưa có kinh nghiệm thì đây là một dịp để thử thách sự lì lợm, hard-core của các bạn khi phải học một thứ mới, làm một thứ mới trong thời gian rất ngắn. Nhưng sự lì lợm là thứ cần có ở True.

Kết quả cuối cùng của challenge là hoàn thiện app **Base Account (Ứng dụng đăng nhập và quản lý tài khoản)** với những feature cơ bản.



This challenge is designed for fitting roundly 40 working hours.

Main features

Account signup

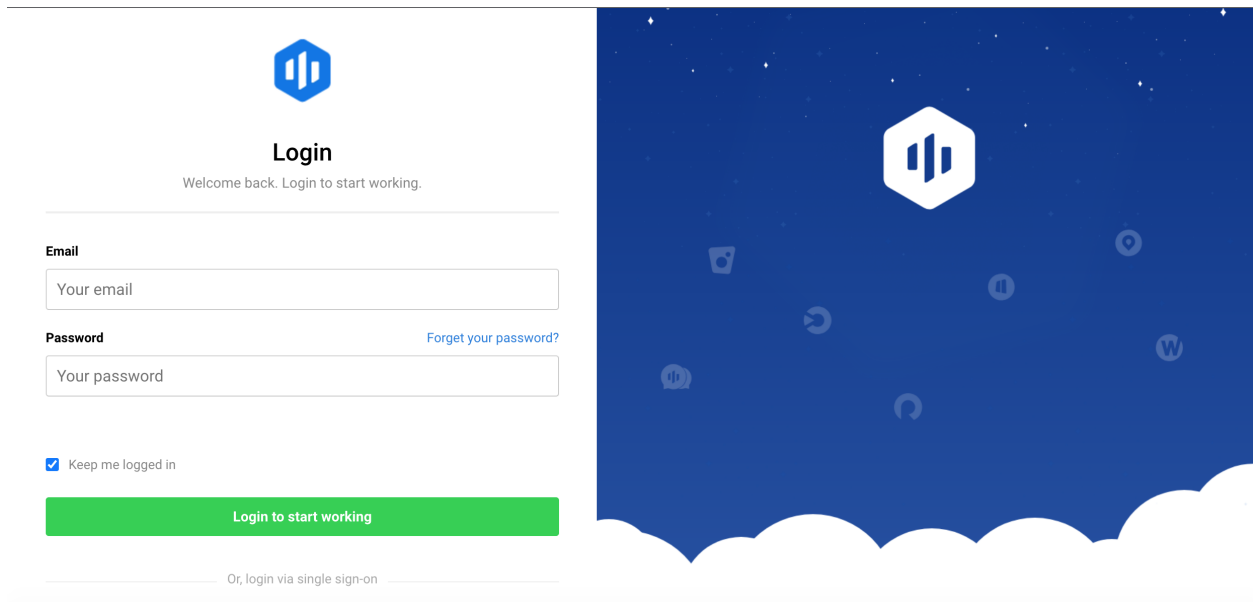
The app must allow users to register for a new account. Generally, an account will have the following fields:

When signing up, email, username, and name is required. First name and last name are automatically computed from name. Carefully check for inputs and duplications.

Account login

The app must allow users to login with their email and password. Error must be shown with the correct message.

Small note: Correct message is hard.



The image shows a login interface. On the left is a white login form with a blue hexagonal logo at the top. The form includes fields for 'Email' and 'Password', a 'Keep me logged in' checkbox, and a green 'Login to start working' button. A link for 'Forgot your password?' is next to the password field. Below the form is a link for 'Or, login via single sign-on'. On the right is a dark blue background with a white hexagonal logo, small icons, and a white cloud-like shape at the bottom.

Login
Welcome back. Login to start working.

Email
Your email

Password [Forgot your password?](#)
Your password

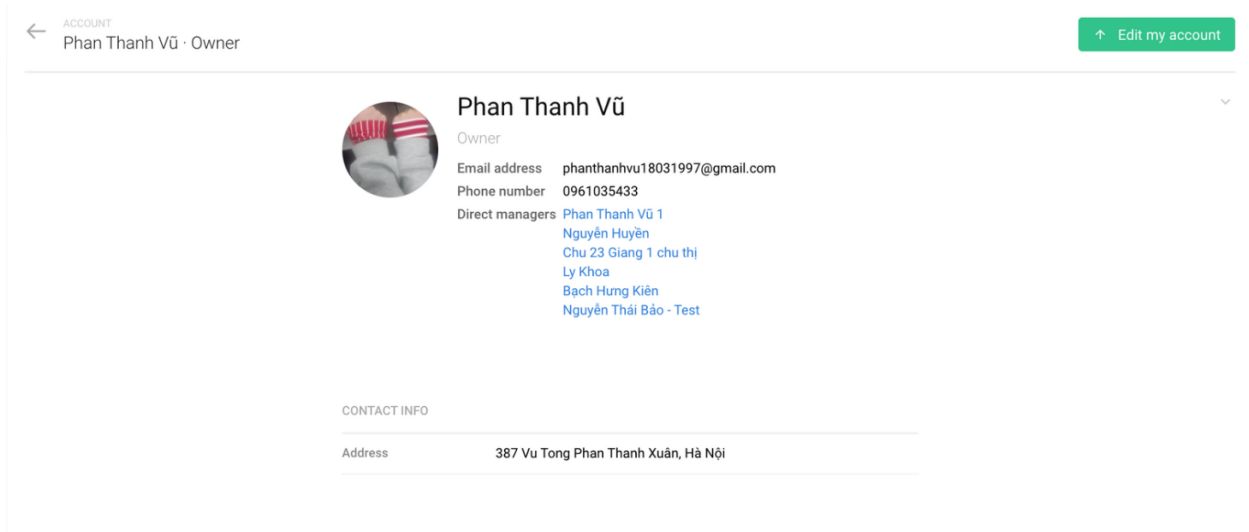
☒ Keep me logged in

Login to start working

Or, login via single sign-on

Account profile

On successful login, the app should show a simple screen with user's information (simply all above user information). There is one button to EDIT the user's info explicitly. Only company name, name and job_title could be edited.



Update profile avatar

The app should allow the user to change his/her avatar. Click to upload as in `account.base.vn` is recommended (JS heavy code), but you can make it simply in a standard form.

Account logout

There is also a button for logout, for which the user can securely logout. Be careful with CSRF.

Other advanced features

The following feature is recommended:

- Captcha for repeated failed logins
 - Forget password on the login screen
- Save login (remember me in the next 07 days)

Some features above are very non-trivial to design correctly in terms of security. Consult your mentors about it.

Starter Code

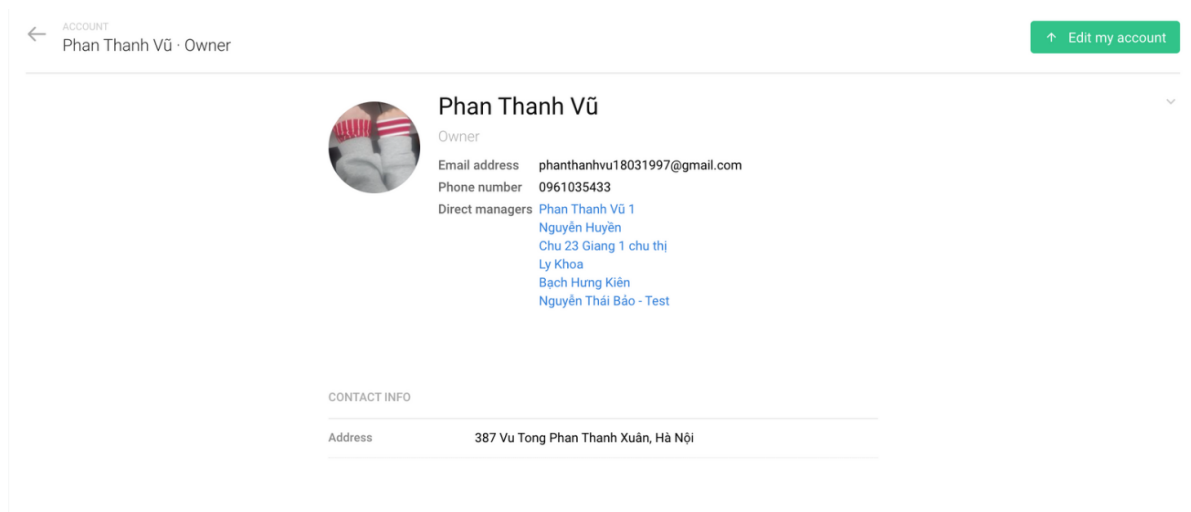
The starter code will have a file `databases.db` to store db schema, folder `class` to store models. You should apply the concept of MVC, but please don't make an overly

complicated MVC - all your actions/controllers will be stored directly in public.

Remember that you will need to build your code by yourself without using any external library (except, probably Email lib, Captcha lib and/or Google Two Factor Auth lib, for advanced features).

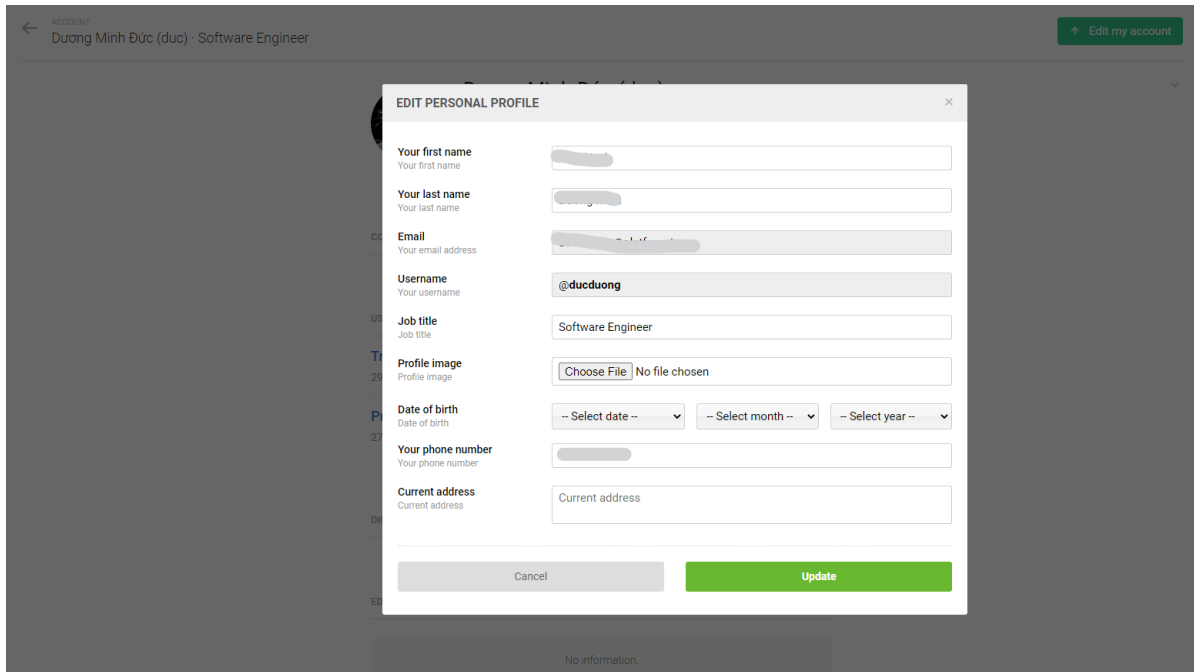
Design

- Login page: <https://account.base.vn/a/login>
- Signup: based on <https://account.base.vn/a/login>
- Profile/Avatar/Logout:



Please make the product EXACTLY as designed. Try to cut HTML/CSS quickly but remember copying code is prohibited. Other questions should be forwarded to the BA team.

- Edit popup



Strict requirements

- You must not use any external library, except JQuery, Email sender, Captcha, or Google Two-factor authentication.
- Use MySQL for the database.
- Use PHP for backend development, without any Framework.
- Database schema will be stored in `databases.db` file.

Resource

- Có một nguồn học PHP MVC rất tốt của FreeCodeCamp:
<https://www.youtube.com/watch?v=6ERdu4k62wI> **(Please follow this tutorial)**
- HTML + CSS có thể học ở đây, rất dễ, nhanh và hiệu quả:
 - <https://www.youtube.com/watch?v=UB1O30fR-EE&list=PLillGF-RfqbZTASqIqdvM1R5mLrQq79CU&index=1>

- <https://www.youtube.com/watch?v=yfoY53QXEnI&list=PLillGF-RfqbzTASqIqdvM1R5mLrQq79CU&index=2>
- JQuery + Javascript có thể học ở nguồn này:
 - https://www.youtube.com/watch?v=3nrLc_JOF7k&list=PLxUL3xY11f0ob5y4Vm-WiP2QPGwP80E5-

Gòì xong, bạn có 1 tuần để thực hiện challenge này!

GOOD LUCK!