

A website template has been created. You must:

- 1) Create a login system where users can login and logout using their usernames and passwords. So there also must also be a registration form where new users can create an account.
  - When a user is registering an account, the password must have suitable security features such as the user cannot enter a password less than 6 characters.
  - An activation code must be sent to the user's email address in order for them to activate their account.
  - Users must be able to change their username and password information as well as change their email address their account is linked to.

An example of this can be found here:

[http://preview.codecanyon.net/item/securephplogin-registration-system/full\\_screen\\_preview/5178737?\\_ga=2.6767346.1986001967.1551916899-1998760314.1551916899](http://preview.codecanyon.net/item/securephplogin-registration-system/full_screen_preview/5178737?_ga=2.6767346.1986001967.1551916899-1998760314.1551916899)

- 2) A calorie tracker where users can enter a food which should then display the individual food entries and their macronutrients below. Users must be able to save this information to their accounts in order for them to track their individual calories. Data for the foods and their macronutrients can be taken from a database which you can look for online.

An example of this can be found here: <https://codepen.io/jhl22/pen/PRaeVz>

So this example allows the user to enter a food and the entry is displayed below. You can also edit the food by updating or deleting the entry, please try and implement these features as well.

- 3) Finally, a geolocation implementation where the browser can ask for the user's location and provide the nearest gym and fitness facilities based on the user's current location. For example, you could use implement google maps so once the browser has asked for the user's location and the users allows this google maps on the webpage can look for the nearest gym and fitness facilities based on the user's location.

Please note:

- Source code for the website will be provided so please try and stick to the websites theme such as colors and fonts and the way it is formatted.
- Please comment your code thoroughly and very well as I need to write a report on how and why I created this so I need to understand the code well as otherwise I won't be able to write the report. If possible could you write bullet points as to how you created some of the tasks such as the geolocation so it's easier for me to write up the report.
- Each of these tasks must be created on a separate page. The pages are named so you know which task goes where e.g. "Calorie tracker".