

We are interested in implementing a Covid-19 tracking system for users using PHP. For that, you need to write a several pages that will use a set of functions written in the functions.php file. For each question, you should use the functions already written in the previous questions.

The data is stored in the file: users.txt. Each user is on a line and in the form:

Username;Password;Status;NumOfAcc

Example: AliMohamad;AM123;Negative;4

Q1) Write the function **load()** that loads the contents of the file **users.txt** into a session.

Note that, the function: **array explode(string \$delimiter, string \$string);** Returns an array of strings, each of which is a substring of the \$string parameter retrieved using the \$delimiter separator.

Q2) Write the function **save(\$t)** which takes an associative array (i.e. the session) as parameter and write it to the **users.txt**.

Q3) Write the function **delete(\$U)** that deletes only one user with username (\$U). We delete the user from the session and update the file **users.txt**.

Q4) Write the function **add(\$v)** that adds one or multiple users with their information (\$v is an array). We add users to the session and update the file **users.txt**.

Q5) Write the function **login(\$U, \$P)** that enables the user to login to the system using a username (\$U) and a password (\$P). If the username and the password are wrong, the function returns **false**. However, if the username and the password are correct, the function loads the file into a session, stores the username (\$U) into a cookie, and returns **true**.

Q6) Write the function **myStatus( )** that returns the status (Positive or Negative) of the active user using the session and cookie.

Q7) Write the function **positiveStatusNumber( )** that returns the total number of users that have a positive status.

Q8) Write the function **logout( )** that enables the active user to logout from the system. This function should increase the number of access "NumOfAcc" of this user by 1, then the session and cookie should be destroyed.

Good luck