NGUYEN Thi Thuy Trang

Report for Programmation Web

A/ Goal:

The final goal of the project consists in building a site that allows to vote and organize polls

B/ Built features:

Authentication:

Users (voters and the organizer) are not anonymous. For that, whatever action the user pick, they are led to a log in page where they are asked to enter an 'user name' and 'password'. If the user is already in the database aka 'database/users.json', they can continue with the action chosen, if not, the user will be informed that the user isn't exist and asked whether they want to add it as a new user or not.

After that, the user will continue to use the system under the account name showed in the top right corner of the screen. Below it, there is also a 'logout' feature added, so that we can log out and relog in with another account to check the system as different users.

The 3 actions proposed by the vote system:
- *'Vote for a ballot':*

After the user logging in, the system shows the user the page to choose the ballot they want to vote for. In case the user isn't included in any ballots aka they are not voter of any ballots, or the ballot(s) in which they are voter is(are) deleted/'removed', there will just be an empty dropdown list there.

In case the user has any ballots

. AND the ballot(s) is(are) still opened to vote, they can vote n times for n proxies that they carry, so there will be 2 buttons to 'vote' or 'leave'.

. AND the ballot(s) is(are) closed to vote, there will be message in red to say that "The ballot is closed for voting.", a button 'result' added to show the result of the closed ballot(s) and the 'vote' button disabled.

- *'Create new ballot':*
* There are 4 main sections in the page:

+ "User Information" where there is filled by the name of the current user

+ "Question" where the user in this case known as the organizer can put question for the ballot

+ "Options" where the organizer put different answers for the questions. If there is no answer or question added, the system will raise an alert whenever the organizer hit the 'add' button or 'create ballot' button. Answers can be added or removed.

+ "Voters" are picked from a scrollable list, the voter are either on an individual line or in a group. Voters can be added or removed. Each voter carries at least 1 proxy and at most 3 proxies.
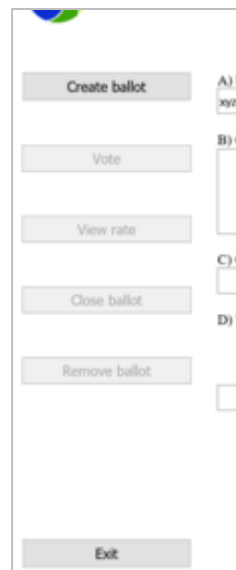
Whit individual voter, the voter disappears from the scrollable list after added and reappears in it in case removed.

Whit group voter, by adding a group, all voters all the group will be added line by line. When a member of the group is removed, this person will reappear in the scrollable list as an individual line, aka not grouped.

There Group B whose users are a and b that are not in the data base aka users.json file, in case remove a or b individually after adding Group B, it will not reappear in the scrollable list and disappear because as told earlier, Group(a,b) is in user_groups.json but theirs 'users' are not in users.json.

When there is a lot of user picked, the list will transform into a scrollable list so that it will not overflow the page.
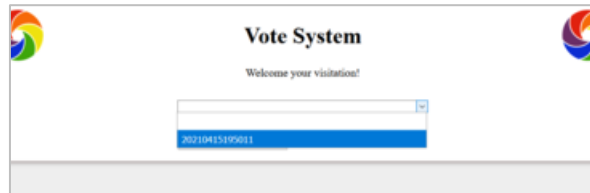
   * There are also 6 buttons:

+ 'Create ballot' to create a valid ballot whit "Question", "Options" and "Voters" chosen. Disabled after the ballot's creation.

+ 'Vote' for the organizer who is also part of the voters of the ballot to vote directly. In the case that the organiser has voted all the proxies and back to the page for manage the ballot, by hitting this button, there will a text "Done" showed.

+ 'View rate' to show the current vote ration.

+ 'Close ballot' to close the current ballot and show 'Results'.

+ 'Remove ballot' to delete the current ballot and get directed to the main page aka index.php.

+ 'Exit' to exit and go to index.php.

- 'Manage exist ballot':

Vote System

Welcome your visitation!

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In case the user didn't create any current ballots aka they are not organizer of these or they have removed all the ballots that they are organiser, there will just be an empty dropdown list there.

- Small tip: Hit on the log go in order to get back to the main page aka index.php wherever you are

C/ Challenges, difficulties:

I spent hours to debug the code I finally find that's the bug is actually from a comment in php file. It took more times for me in the beginning to figure out how to structure all the folders and filles of the system. The project is quite long to me to work alone on it because the system requires a lot of works.

D/ Set up indications:

- The system includes:

+ "assets" folder where there are "css" folder for "style" file, "images" for the logo image and "js" folder where all the JavaScript files are gathered.

+ "database" folder where stocked all the data in form of json files.

+ "layout" for "footer" and "header" php files.

+ all the others php files of the voting system.

- To build the system, I used sublime text to code, run and test on Firefox and Google Chrome browser by using Mamp localhost on Windows.

- On my computer, the "VOTE" folder is put in "C:\MAMP\htdocs"

- I would recommend to test the system with browser in private mode, because sometimes, the cache of the browser remember the first user logged in, there will be no 'logged in user' information and 'logout' option on the top right of the screen, in that case, we can't log out to test as another user.