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Sparklook

Description of project structure and processes

Folders:

Sparklook – root folder

css*(1 file)* – Styles

styles.css – CSS styles

docs*(2 files, 1 folders)* – Documentation

user-view.pdf – UI description

programmer-view.pdf – Drocesses description *(current file)*

api – phpdoc folder, auto-generated documentation

img*(9 files)* – Images of icons and buttons

js*(3 file)* – Java Script

usernameComp.js – Script for display message if username is already exists

(It listens for user input in a field with the ID 'username'. As the user types, it sends a POST request to a PHP file on the server to check if the username is available. Depending on the server's response, it displays a message indicating whether the username is available or already exists)

checkPasswords.js – Script for display message if passwords does not match

(It is used to check if the password and confirmation password entered by a user in a form match)

edit.js – Script for display editable elements

(It is used to make the title and description fields of a form editable and display a confirmation button when the form with the class edit-idea is submitted)

php*(8 files, 1 folder)* – PHP code (display and processes)

404page.php – 404 error page

add-idea.php – Displays the "Add Idea" page

change-password.php – Displays the "Change password" page

index.php – Displays main page

profile.php – Displays the "Profile" page

random-idea.php – Displays the "Random idea" page

signin.php – Displays the "Sign in" page

signup.php – Displays the "Sign up" page

all-ideas.php – Displays the "All ideas" page

my-ideas.php – Displays the "My ideas" page

processes*(15 files)* – PHP processes

add.php – script for adding new elements in table "ideas"

(It checks if a user is signed in, validates the length of the title and description of an idea, and inserts the idea into a database. If any step fails, it redirects to the idea submission page with a message. If successful, it also redirects back with a success message)

ch-pass.php – script for changing password

(It handles password change requests. It checks the current password, updates it if correct, and redirects to the change password page with a success or error message)

db.php – script for connecting to database

(It establishes a connection to a MySQL database using given credentials. If the connection fails, it displays an error message)

delete-idea.php – script for deleting idea

(It allows only signed-in admin users to delete ideas from a database. If a non-admin user tries to delete an idea, they are redirected with an error message)

login.php – script for account login

(It handles user authentication. It starts a session, retrieves the username and password from a POST request, and checks them against a database. If the credentials are valid, the user is redirected to a profile page. If they're not, an error message is set in the session and the user is redirected back to the sign-in page)

logout.php – script for account logout

(It clears all session variables, destroys the session, and then redirects the user to the index page)

pagination.php – script for implementing pagination

(It implements pagination for displaying a list of ideas. It checks if 'viewed_ideas' is set in the session and is an array. If not, it initializes it as an empty array. The function pagination takes in the current page number and the number of ideas to display per page, calculates the total number of pages, ensures the current page number is within the valid range, and displays the ideas for the current page in an unordered list. It also displays the page numbers)

registration.php – script for creating a new account

(It validates user input, checks if the username exists, and if validation passes, it hashes the password and stores the new user's details in the database in users table. If the input is invalid or the username exists, it redirects back to the signup page with an error message)

random.php – script for display current idea

(It selects a random idea from a database, stores it in a session, and redirects the user to a "Random idea" page)

edit-idea.php – script to edit an existing idea in a database.

(It allows an admin or the idea's owner to edit an idea in a database. It checks if the user is authorized, validates the input, and updates the idea in the database. If the input is invalid or the user is unauthorized, it redirects back to the idea page with an error message. If the update is successful, it redirects back to the idea page with a success message)

check-username.php – script for checking if a username exists in the database.

(It takes a username from a POST request, queries the database for a user with that username, and echoes '1' if the user exists, and '0' otherwise)

uploads – Folder where user avatars are uploaded