

User Manual for Session Variables

User Session Management and Displaying User-Created Tasks

Rationale

User session management and displaying user-created tasks are core functionalities of the Todo App. These features enable users to store their tasks securely and access only the tasks they have created, ensuring a personalized and efficient task management experience.

Requirements

1. Storing User Information within Tasks

- As a user, your session information is securely stored within tasks in the database.
- This ensures that tasks are associated with the respective user who created them, allowing for personalized task management.

2. Displaying User-Created Tasks

- As a user, you can view only the tasks that you have created.
- The server sorts through the tasks in the database to display only those associated with your user session, providing a tailored task list.

Usage Instructions

User Session Management

1. Logging In:

- Visit the `/login` page to access the login form.
- Enter your username and password.
- Click "Log In" to authenticate your credentials.

2. Creating an Account:

- If you don't have an account, navigate to `/create-account`.
- Provide a unique username and password.
- Click "Create Account" to register.

Displaying User-Created Tasks

1. Viewing Your Tasks:

- Upon logging in, you'll be directed to your personalized to-do list page (`/`).
- Here, you will see only the tasks that you have created, sorted by relevance and date.

2. Adding a Task:

- Use the input field at the top to add a new task.
- Click the "+" button to add the task to your list.
- The task will be associated with your user session and stored securely in the database.

3. **Managing Your Tasks:**

- You can edit or delete tasks as needed from your task list.
- Tasks will be updated in real-time and reflected in your personalized task view.

Server-Database Interaction

1. **Storing User Information within Tasks:**

- When a user creates a task, the server associates the task with the user's session information.
- This information is securely stored within the task object in the database, ensuring data integrity and security.

2. **Displaying User-Created Tasks:**

- When a user accesses their to-do list, the server queries the database for tasks associated with the user's session.
- Tasks belonging to other users are filtered out, and only the user's tasks are displayed, providing a personalized task management experience.