Farm info algorithm

Home page

1. On site load for the first time, the authentication information stored in the localStorage is retrieved, if the authentication information exist the user is redirected to the /farm url else the user remain on the home page.
2. The page rendered contains introduction text, hero image and navigation menu containing links.

Info Creation page

1. On site load for the first time, the authentication information stored in the localStorage is retrieved, if the authentication information does not exist the user is redirected to the / url else the user remain on the page.
2. The page rendered contains info creation form and and navigation menu containing links.
3. Once the user fill the form fields and click create button, the data get validated, stored in the database and sent back as a response
4. Once the response is received, the user get redirected to the info-list page.
5. But if an error occurred, the error message is displayed.

Info update page

1. On site load for the first time, the authentication information stored in the localStorage is retrieved, if the authentication information does not exist the user is redirected to the / url, else the user remain on the page. The id in the url is used to fetch the farm info data from the database and a response is sent back.
2. The page rendered contains a pre-filled info update form filled with response from the server on site load and navigation menu containing links.
3. Once the user update the form fields and click update button, the data get validated, updated in the database and sent back as a response
4. Once the response is received, the user get redirected to the farm/record/id url page.
5. But if an error occurred, the error message is displayed.

Each info page

1. On site load for the first time, the authentication information stored in the localStorage is retrieved, if the authentication information does not exist the user is redirected to the / url, else the user remain on the page. The id in the url is used to fetch the farm info data from the database and a response is sent back.
2. The response received is processed and rendered to the page together with the update and delete buttons.
3. When the user click the update button, the user is redirected to farm/update/id page and the update page handle the rest
4. If the user click the delete button, the id in the url is used as a query param to remove the farm-info that has the that particular id from the database and the user is redirected to/farm page that render on the list of farm-info that has been created by the user.

All info page

1. On site load for the first time, the authentication information stored in the localStorage is retrieved, if the authentication information does not exist the user is redirected to the / url, else the user remain on the page. Also the user email is retrieved from the localStorage and used to get all farm-info created by the user.
2. The received farm-info is then rendered on the page.

Authentication algorithm

1. On site load for the first time, the authentication information stored in the localStorage is retrieved, if the authentication information does not exist the user is redirected to the / url else the user remain on the page.

Login (login page):

1. The login form and navigation menu is rendered on site load.
2. When the user fill the form and click the login button the inputed data get validated and used to request for user information from the database.
3. If the user information exist, the user get authenticated else an error message is displayed.

Register (register page):

1. The registration form and navigation menu is rendered on site load.
2. When the user fill the form and click the login button the inputed data get validated, saved to the database and returned if no error.
3. If no error, the user get authenticated but if there is an error the error message get displayed.