

[SCRUM-26] Application Broken Styling Due to Invalid localStorage Theme Value - No Fallback Mechanism

Created: 05/июл./26 Updated: 05/июл./26 Due: 08/июл./26

Status:	In Progress
Project:	WaterTracker
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Header Component

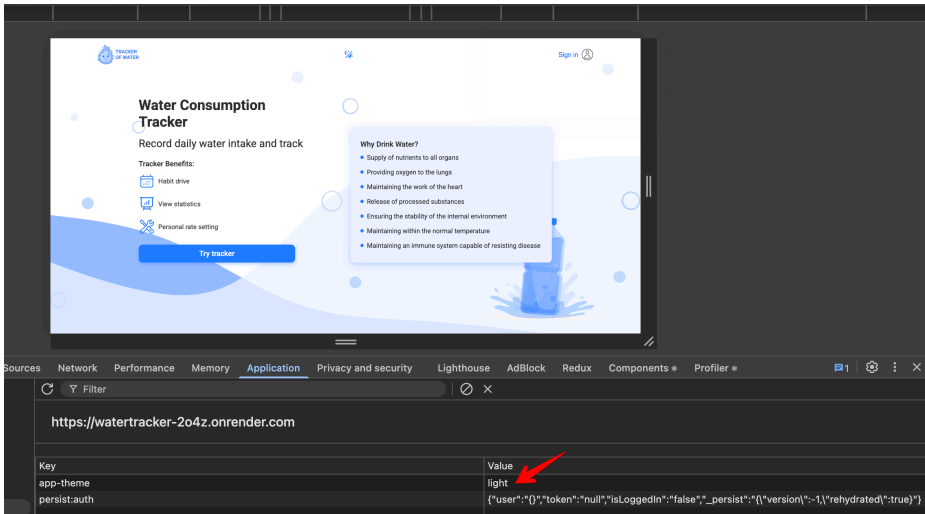
Type:	Bug	Priority:	Highest
Reporter:	Nat	Assignee:	Nat
Resolution:	Unresolved	Votes:	0
Labels:	Header		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		
Environment:	<ul style="list-style-type: none">• Operating System & Version: macOS Sonoma 14.7• Browser & Version: Chrome 144.0.7559.110• Application Build/Version: 1.0.0• Environment Type: Production		

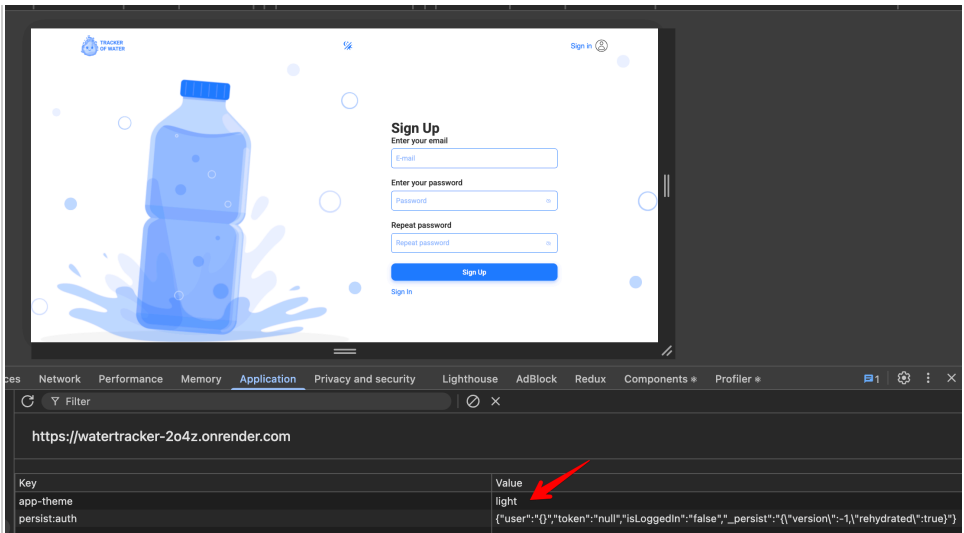
Attachments:	Open app for the first time.png Signup page after set invalid theme.png Signup page after set invalid theme2.png Welcome page after set invalid theme.png Signup page after set invalid theme.png Open SignUp for the first time.png
Rank:	0ji00047:
Team:	
Start date:	04/июл./26
Sprint:	
Severity:	Critical

Description

Preconditions

1. Open the application in a web browser
2. Open Developer Tools
3. Navigate to Application tab → Storage → Local Storage
4. Find the theme key





Steps to Reproduce

1. Set the invalid value to a theme (manual localStorage manipulation).
2. Reload the application.
3. Set the invalid value to a theme (console manipulation):

```
localStorage.setItem('theme', 'invalid-theme-name');
location.reload();
```

Invalid Theme Values Examples:

- Non-existent theme: "random", "purple", "custom"
- Wrong data type: 123, true, false
- Object: {}
- Array: []
- Null as string: "null"
- Undefined as string: "undefined"

1. Observe the page rendering.
2. Click the Theme Toggle button
3. Observe the application behavior

Expected Result

- Application reads theme value from localStorage
- Validates if value is one of supported themes ("light", "dark")
- If invalid, it falls back to the default theme (light)
- Application displays with correct light theme styling
- Theme switching: theme changes from light to dark (or vice versa), and all styles update correctly.

Actual Result

- Application displays with broken styles after setting an invalid theme and reloading the page.
- Forms for signing in and signing up are unreadable.
- Invalid value persists in localStorage.
- On Theme Toggle click: switch to valid theme; localStorage state update to valid value only after toggle.

TRACKER OF WATER

Sign in

Sign In

Enter your email

E-mail

Enter your password

Password

Sign In

Sign Up

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> localStorage.setItem('app-theme', "true");location.reload();

< undefined

> localStorage.setItem('app-theme', "[]");location.reload();

< undefined

> localStorage.setItem('app-theme', "null");location.reload();

< undefined

> localStorage.setItem('app-theme', "undefined");location.reload();

< undefined

TRACKER OF WATER

Sign in

Water Consumption Tracker

Record daily water intake and track

Tracker Benefits:

- Habit drive
- View statistics
- Personal rate setting

Try tracker

Why Drink Water?

Supply of nutrients to all organs

Providing oxygen to the lungs

Maintaining the work of the heart

Release of processed substances

Ensuring the stability of the internal environment

Maintaining within the normal temperature

Maintaining an immune system capable of resisting disease

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Filter

https://watertracker-2o4z.onrender.com

Key	Value
app-theme	custom
persist:auth	{ "user": {}, "token": "null", "isLoggedIn": "f

TRACKER
OF WATER

Sign in

Sign Up

Enter your email

E-mail

Enter your password

Password

Repeat password

Repeat password

Sign Up

Sign In

esNetworkPerformanceMemoryApplicationPrivacy and securityLighthouseAdBlockReduxComponents #

Filter

https://watertracker-2o4z.onrender.com

Key	Value
app-theme	123
persist:auth	{ "user": {}, "token": "null", "isLoggedIn": "fal

TRACKER
OF WATER

Sign in

Sign Up

Enter your email

E-mail

Enter your password

Password

Repeat password

Repeat password

Sign Up

Sign In

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Filter

https://watertracker-2o4z.onrender.com

Key	Value
app-theme	
persist:auth	{ "user": {}, "token": "null", "isLoggedIn": "false",