

Test Case 1: Register a User

- Navigate to the Register Page

Register!

Email

Username

Password

Display Name

Sign Up

```
1 • SELECT * FROM blog_database.users;
```

id	username	email	password	display_name
1	testUser	test@gmail.com	\$2a\$10\$nyWUDz8hZe6b/uRY163jIuZERxkoQnv...	Test User
2	testUser02	test02@gmail.com	\$2a\$10\$VULw30J3r0wZAAXYkoRFyuxGLf4vDMr...	Test User 02
3	testUser03	test03@gmail.com	\$2a\$10\$RmrEly9LxqtHdRQ.PpyZu5IFRSqyMh05...	Test User 03
NULL	NULL	NULL	NULL	NULL

- Fill in User Information & Press Sign Up

Register!

testUser04

test04@gmail.com

Test User 04

Sign Up

```
1 • SELECT * FROM blog_database.users ;
```

id	username	email	password	display_name
1	testUser	test@gmail.com	\$2a\$10\$nyWUDz8hZe6b/uRY163jIuZERxkoQnv...	Test User
2	testUser02	test02@gmail.com	\$2a\$10\$VULw30J3r0wZAAXYkoRFyuxGLf4vDMr...	Test User 02
3	testUser03	test03@gmail.com	\$2a\$10\$RmrEly9LxqtHdRQ.PpyZu5IFRSqyMh05...	Test User 03
4	testUser04	test04@gmail.com	\$2a\$10\$w5e.3gzm3oZ.MYjF22h1MuSFLO0.7hR...	Test User 04
NULL	NULL	NULL	NULL	NULL

- User Information is Registered in the Database

Test Case 2: Register a Duplicate User

- Enter Duplicate Information & Press Sign Up

The screenshot shows the 'Register!' form with the following inputs: Username: testUser04, Email: test04@gmail.com, Password: (masked), and Confirm Password: Test User 04. The 'Sign Up' button is visible. The browser's developer tools show a 409 Conflict error in the console: 'POST http://localhost:8880/api/auth/register 409 (Conflict) User already exists.' The SQL query in the background is: 'SELECT * FROM blog_database.users ;'. The Result Grid shows the following data:

id	username	email	password
1	testUser	test@gmail.com	\$2a\$10\$nyWUDzhZt
2	testUser02	test02@gmail.com	\$2a\$10\$VULw30J3r0
3	testUser03	test03@gmail.com	\$2a\$10\$RmrEly9Lxqt
4	testUser04	test04@gmail.com	\$2a\$10\$w5e.3gzm3o

- 409 (Conflict) Error Results and Duplicate User is Not Registered

Test Case 3: Login

- Navigate to the Login Page
 - User is null
 - Cookies are clear


The screenshot shows the 'Blog It!' login form with the following inputs: Username, Password, and a 'Remember me' checkbox. The 'Login' button is visible. There are links for 'Forgot password?' and 'Don't have an account? Register'.


The screenshot shows the browser's developer tools with the Application tab selected. The 'Storage' section shows 'Local storage' with a single entry: 'http://localhost:5173' with a value of 'null'. The 'Background services' section shows 'Back/forward cache' with a value of 'null'. The 'Frames' section shows 'top'.

The screenshot shows the browser's developer tools with the Cookies tab selected. The 'Storage' section shows 'Local storage' with a single entry: 'http://localhost:5173' with a value of 'null'. The 'Background services' section shows 'Back/forward cache' with a value of 'null'. The 'Frames' section shows 'top'.

- Enter Username & Password then Press Login

Blog It!



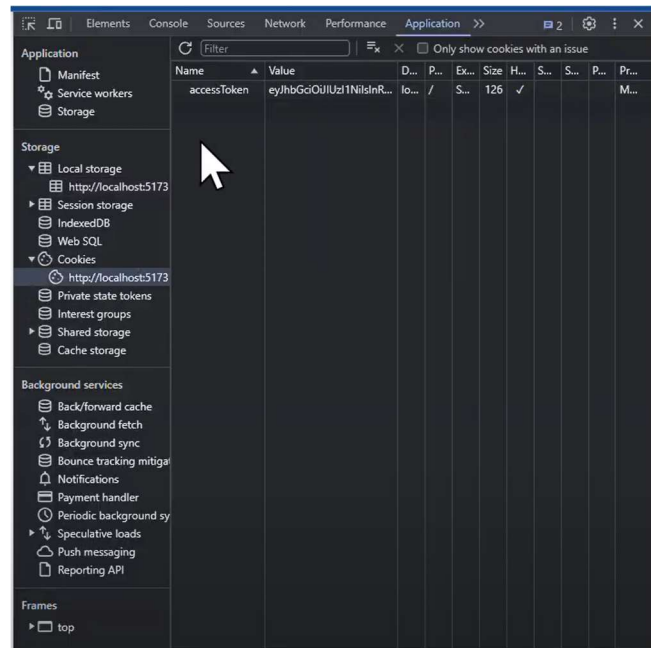
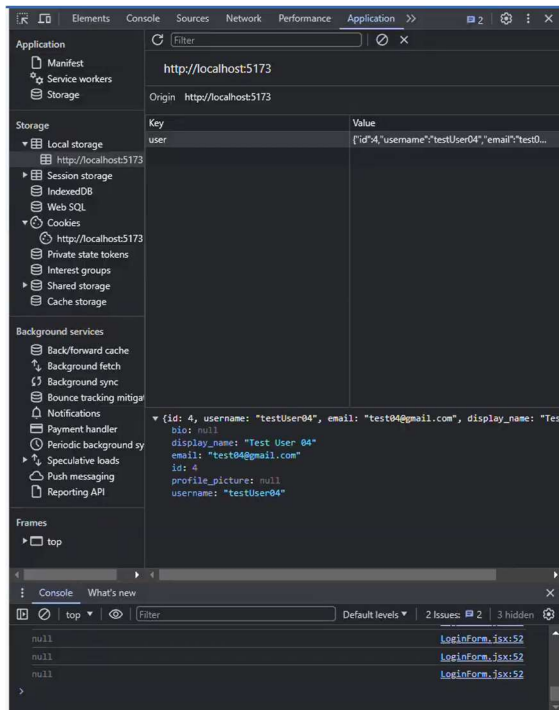


☐ Remember me
 [Forgot password?](#)

Login

Don't have an account? [Register](#)

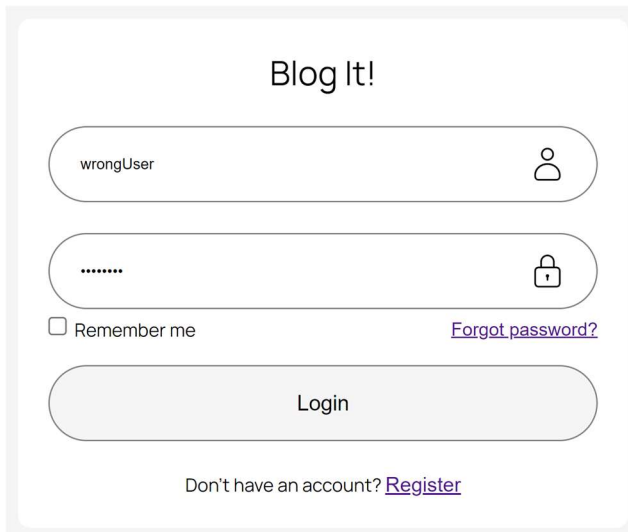
- User and Access Token are updated



- User is Logged In

Test Case 4: Invalid Credentials

- Navigate to the Login Page, Enter Invalid Credentials, and Press Login



Blog It!

wrongUser

☐ Remember me [Forgot password?](#)

Login

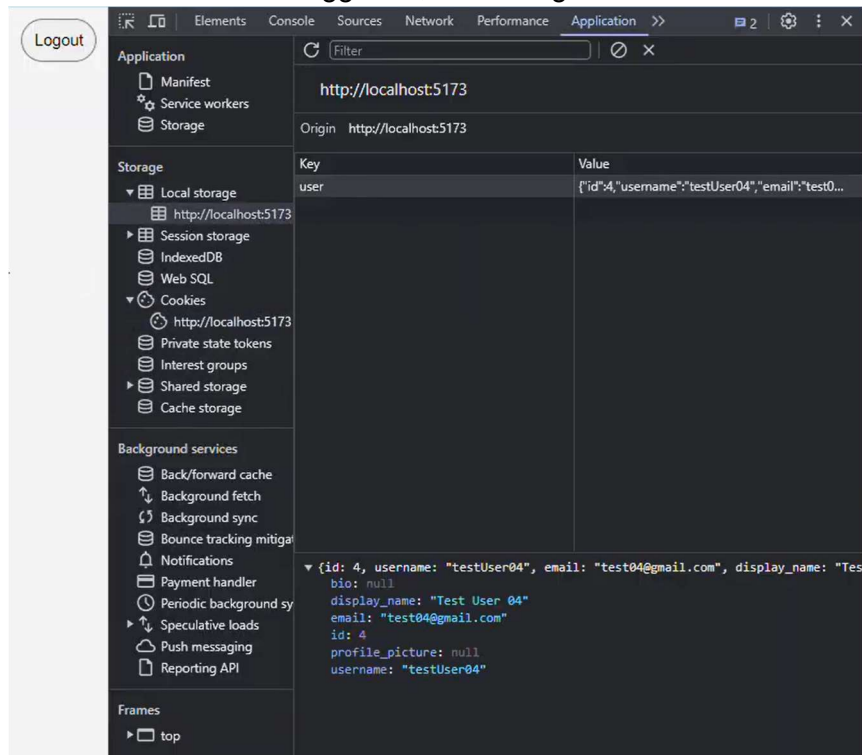
Don't have an account? [Register](#)

- 400 (Bad Request) Error Results & Authentication is Denied

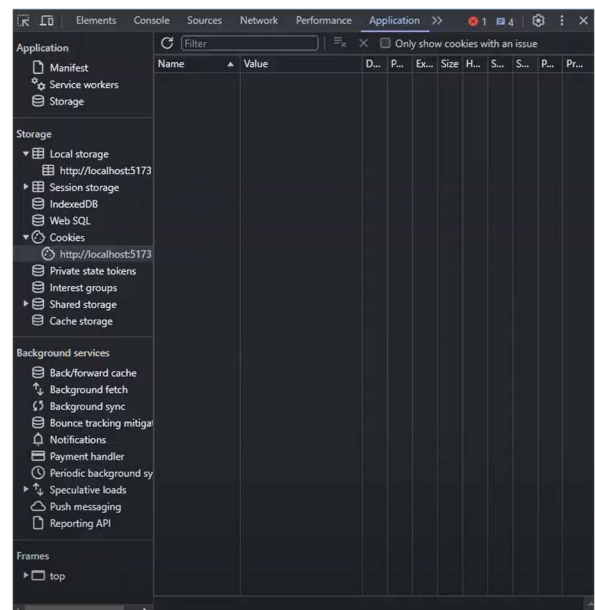
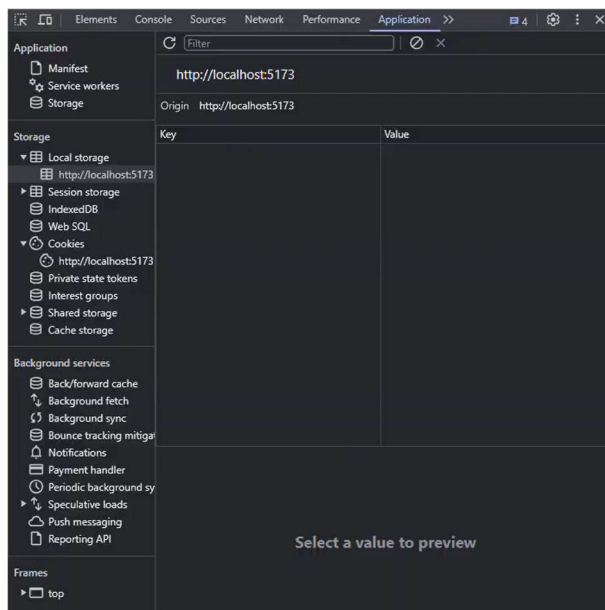


Test Case 5: Log Out

- When User is Logged In, Press Logout



- User is Null & Cookies are Cleared



- User is Logged Out