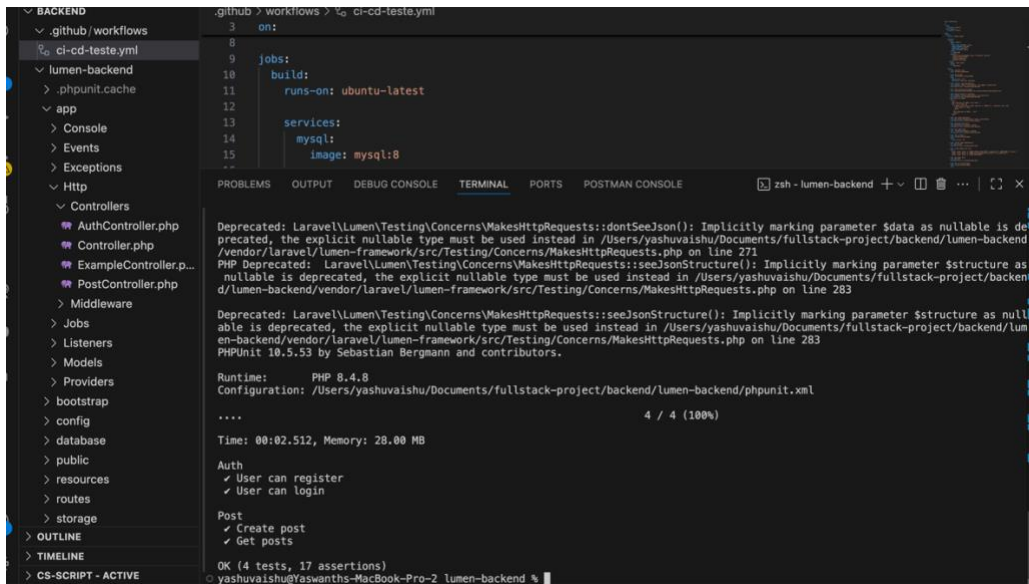


EnergeX AI - TEST CASES

For Lumen – All Test Cases Passed



The screenshot shows the VS Code interface with the 'lumen-backend' project open. The left sidebar displays the file explorer with folders like 'github/workflows', 'lumen-backend', and 'app'. The main editor shows a 'ci-cd-teste.yml' file with a 'jobs' section. The bottom panel shows the 'TERMINAL' output of a PHPUnit test run, which passed all 4 tests and 17 assertions. The output includes deprecation warnings and a summary of the test results.

```
3 on:
8
9 jobs:
10 build:
11 runs-on: ubuntu-latest
12
13 services:
14 mysql:
15 image: mysql:8
```

Deprecated: Laravel\Lumen\Testing\Concerns\MakesHttpRequests::dontSeeJson(): Implicitly marking parameter \$data as nullable is deprecated, the explicit nullable type must be used instead in /Users/yashuvaishu/Documents/fullstack-project/backend/lumen-backend/vendor/laravel/lumen-framework/src/Testing/Concerns/MakesHttpRequests.php on line 271
PHP Deprecated: Laravel\Lumen\Testing\Concerns\MakesHttpRequests::seeJsonStructure(): Implicitly marking parameter \$structure as nullable is deprecated, the explicit nullable type must be used instead in /Users/yashuvaishu/Documents/fullstack-project/backend/lumen-backend/vendor/laravel/lumen-framework/src/Testing/Concerns/MakesHttpRequests.php on line 283
Deprecated: Laravel\Lumen\Testing\Concerns\MakesHttpRequests::seeJsonStructure(): Implicitly marking parameter \$structure as nullable is deprecated, the explicit nullable type must be used instead in /Users/yashuvaishu/Documents/fullstack-project/backend/lumen-backend/vendor/laravel/lumen-framework/src/Testing/Concerns/MakesHttpRequests.php on line 283
PHPUnit 10.5.53 by Sebastian Bergmann and contributors.

Runtime: PHP 8.4.8
Configuration: /Users/yashuvaishu/Documents/fullstack-project/backend/lumen-backend/phpunit.xml

4 / 4 (100%)

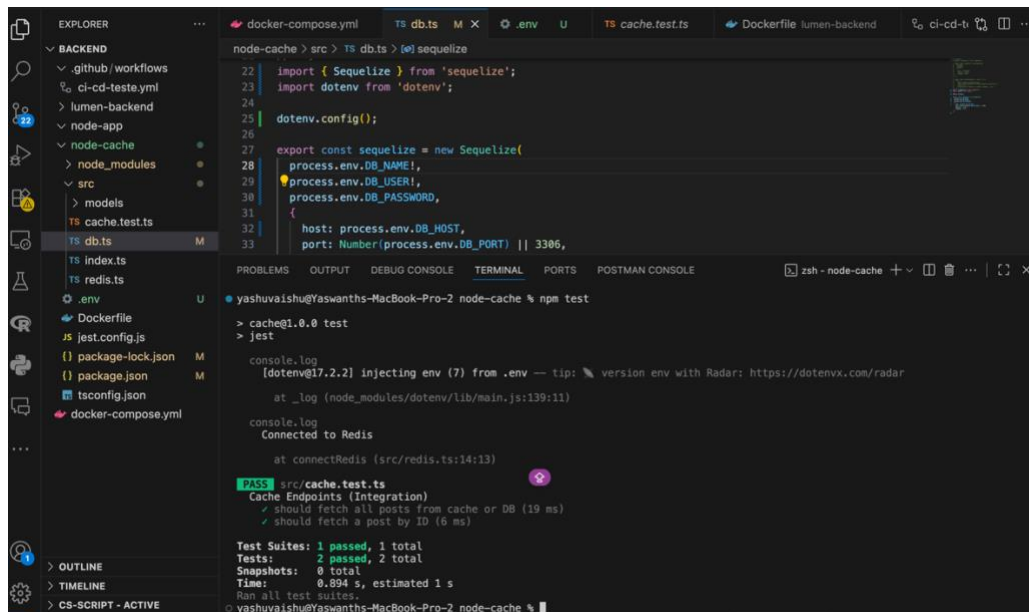
Time: 00:02.512, Memory: 28.00 MB

Auth
✓ User can register
✓ User can login

Post
✓ Create post
✓ Get posts

OK (4 tests, 17 assertions)

For Node – All Test Cases Passed



The screenshot shows the VS Code interface with the 'node-cache' project open. The left sidebar displays the file explorer with folders like 'BACKEND', 'node-cache', and 'node-app'. The main editor shows a 'db.ts' file with database configuration. The bottom panel shows the 'TERMINAL' output of a Jest test run, which passed all 2 tests and 2 assertions. The output includes a log of the test execution and a summary of the test results.

```
node-cache > src > TS db.ts > @ sequelize
22 import { Sequelize } from 'sequelize';
23 import dotenv from 'dotenv';
24
25 dotenv.config();
26
27 export const sequelize = new Sequelize(
28 process.env.DB_NAME!,
29 process.env.DB_USER!,
30 process.env.DB_PASSWORD,
31 {
32 host: process.env.DB_HOST,
33 port: Number(process.env.DB_PORT) || 3306,
```

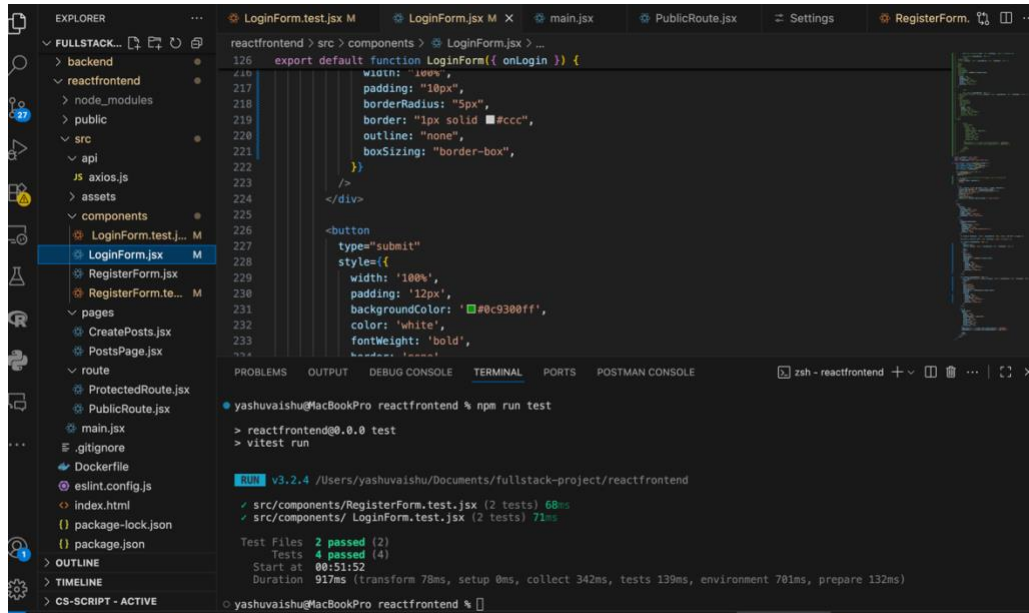
console.log
[dotenv@17.2.2] injecting env (7) from .env — tip: version env with Radar: <https://dotenvx.com/radar>
at _log (node_modules/dotenv/lib/main.js:139:11)

console.log
Connected to Redis
at connectRedis (src/redis.ts:14:13)

PASS src/cache.test.ts
Cache Endpoints (Integration)
✓ should fetch all posts from cache or DB (19 ms)
✓ should fetch a post by ID (6 ms)

Test Suites: 1 passed, 1 total
Tests: 2 passed, 2 total
Snapshots: 0 total
Time: 0.894 s, estimated 1 s
Ran all test suites.

For React – All Test Cases Passed



The screenshot shows a VS Code editor interface with a project named 'FULLSTACK...'. The Explorer sidebar on the left shows the file structure, with 'LoginForm.test.jsx' selected under the 'components' folder. The main editor displays the code for 'LoginForm.jsx', which includes a default export function 'LoginForm' and a 'submit' button. The bottom panel shows the 'TERMINAL' output, which displays the command 'reactfrontend % npm run test' and the resulting test results: 'Test Files 2 passed (2)', 'Tests 4 passed (4)', and a duration of 917ms. The test results indicate that all test cases passed.

```
reactfrontend > src > components > LoginForm.jsx > ...
126 export default function LoginForm({ onLogin }) {
127   width: 100%,
128   padding: "10px",
129   borderRadius: "5px",
130   border: "1px solid #ccc",
131   outline: "none",
132   boxSizing: "border-box",
133 }
134 />
135 </div>
136
137 <button
138   type="submit"
139   style={
140     width: '100%',
141     padding: '12px',
142     backgroundColor: '#000000',
143     color: 'white',
144     fontWeight: 'bold',
145   }
146 />
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE

zsh - reactfrontend

```
yashuvaishu@MacBookPro reactfrontend % npm run test
> reactfrontend@0.0.0 test
> vitest run

 RUN  v3.2.4 /Users/yashuvaishu/Documents/fullstack-project/reactfrontend
 ✓ src/components/RegisterForm.test.jsx (2 tests) 68ms
 ✓ src/components/LoginForm.test.jsx (2 tests) 71ms

Test Files 2 passed (2)
Tests 4 passed (4)
Start at 00:51:52
Duration 917ms (transform 78ms, setup 0ms, collect 342ms, tests 139ms, environment 70ms, prepare 132ms)
```

yashuvaishu@MacBookPro reactfrontend %