ENSEK Test Execution Report

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# 1. Test Summary

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| --- | --- | --- | --- |
| Test Suite | Scenario Name | Status | Notes |
| ENSEKAPITestingFeature | BuyEnergyUsingAValidID | Pass | Order may placed successfully |
| ENSEKAPITestingFeature | BuyingEnergyWithInvalidId | Pass | Correctly handled or blocked |
| ENSEKAPITestingFeature | CheckIfUserIsAbleToBuy0UnitsUsingAValidEnergyID | Pass | API accepted 0 units — validation missing |
| ENSEKAPITestingFeature | CheckIfUserIsAbleToBuyNegativeUnitsUsingAValidEnergyID | Pass | Correctly handled or blocked |
| ENSEKAPITestingFeature | CountOrdersCreatedBeforeToday | Pass | Order timestamps parsed successfully |
| ENSEKAPITestingFeature | DeleteAValidOrder | Fail | API returns 500 error |
| ENSEKAPITestingFeature | ResetTheTestData | Fail | Likely token/authorization error |
| ENSEKAPITestingFeature | SuccessfullyLoginAndGetToken | Pass | Token stored and used |
| ENSEKAPITestingFeature | VerifyThatEachOrdersIsListedInOrders | Pass | All placed order IDs matched |
| ENSEKHomepageNavigationFeature | RedirectsToExternalHomepage | Pass | Redirect verified using Selenium |
| ENSEKContactPage | RedirectsToErrorPage | Fail | Unable to contact |
| Unable to Register new user | RedirectsToErrorPage | Fail | Unable to register |
| Login | RedirectsToErrorPage | Fail | Unable to login |
| Sell Energy page | Redirects to maintenance page | Fail | Unable to sell energy |

# 2. Defects Identified

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Description | Severity | Status |
| API-001 | `DELETE /orders/{id}` returns 500 on valid ID | Major | Open |
| API-002 | No validation on zero or invalid fuel quantity | Medium | Open |
| API-003 | `Reset` endpoint fails (401 Unauthorized) | Major | Open |
| UI-001 | Login leads to error page | Blocker | Open |
| UI-002 | Register new user leads to error page | Blocker | Open |
| UI-003 | Navigating to Contact page | Major | Open |
| UI-004 | Sell some energy page | Major | Open |

# 3. Observations & Recommendations

- Add server-side validation for quantity (zero/negative)

- Fix DELETE endpoint to avoid server crashes

- Ensure auth tokens are handled consistently across endpoints

- Extend test coverage to include:

• API schema validation  
 • Negative test cases (invalid formats)  
 • Rate limiting and edge scenarios

-Fix register user and login user errors

- Fix Contact and Sell energy pages

# 4. Attachments

- Test code (.feature, .cs files)

- Execution screenshots