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| nutritrack  Branch : main  Version not provided  Code analysis |

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| **By: Administrator**  **2024-12-04** |

# Content

[Content 1](#_Toc97156258)

[Introduction 2](#_Toc97156259)

[Configuration 2](#_Toc97156260)

[Synthesis 3](#_Toc97156261)

[Analysis Status 3](#_Toc97156262)

[Quality gate status 3](#_Toc97156263)

[Metrics 3](#_Toc97156264)

[Tests 3](#_Toc97156265)

[Detailed technical debt 3](#_Toc97156266)

[Metrics Range 5](#_Toc97156267)

[Volume 5](#_Toc97156268)

[Issues 6](#_Toc97156269)

[Charts 6](#_Toc97156270)

[Issues count by severity and type 8](#_Toc97156271)

[Issues List 8](#_Toc97156272)

[Security Hotspots 9](#_Toc97156273)

[Security hotspots count by category and priority 9](#_Toc97156274)

[Security hotspots List 9](#_Toc97156275)

# Introduction

This document contains results of the code analysis of nutritrack.

# Configuration

* Quality Profiles
  + Names: Sonar way [JavaScript];
  + Files: 84178885-100c-4456-ba34-c3f835fe232b.json;
* Quality Gate
  + Name: Sonar way
  + File: Sonar way.xml

# Synthesis

## Analysis Status

|  |  |  |  |
| --- | --- | --- | --- |
| Reliability | Security | Security Review | Maintainability |
| C.png | **A.png** | **E.png** | **A.png** |

## Quality gate status

|  |  |
| --- | --- |
| Quality Gate Status | **OK.png** |

|  |  |
| --- | --- |
| Metric | Value |
| New Issues | OK |

## Metrics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Coverage | Duplication | Comment  density | Median number of lines of code per file | Adherence to coding standard |
| 0.0 % | **9.3 %** | **16.1 %** | **64.5** | **99.8 %** |

## Tests

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Total | Success Rate | Skipped | Errors | Failures |
| 0 | **0 %** | **0** | **0** | **0** |

## Detailed technical debt

|  |  |  |  |
| --- | --- | --- | --- |
| Reliability | Security | Maintainability | Total |
| 0d 0h 10min | - | 0d 2h 20min | 0d 2h 30min |

## Metrics Range

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Cyclomatic  Complexity | Cognitive  Complexity | Lines of code per file | Comment  density (%) | Coverage | Duplication (%) |
| Min | 0.0 | 0.0 | 12.0 | 2.0 | 0.0 | 0.0 |
| Max | 81.0 | 96.0 | 541.0 | 32.5 | 0.0 | 40.0 |

## Volume

|  |  |
| --- | --- |
| Language | Number |
| JavaScript | 1372 |
| Total | 1372 |

# Issues

## Charts

## Issues count by severity and type

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type / Severity | INFO | MINOR | MAJOR | CRITICAL | BLOCKER |
| BUG | 0 | 0 | 1 | 0 | 0 |
| VULNERABILITY | 0 | 0 | 0 | 0 | 0 |
| CODE\_SMELL | 0 | 2 | 2 | 23 | 0 |

## Issues List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Description | Type | Severity | Number |
| Non-empty statements should change control flow or have at least one side-effect |  | BUG | MAJOR | 1 |
| Variables should be declared with "let" or "const" |  | CODE\_SMELL | CRITICAL | 23 |
| Two branches in a conditional structure should not have exactly the same implementation |  | CODE\_SMELL | MAJOR | 1 |
| If statements should not be the only statement in else blocks |  | CODE\_SMELL | MAJOR | 1 |
| Optional chaining should be preferred |  | CODE\_SMELL | MINOR | 2 |

# Security Hotspots

## Security hotspots count by category and priority

|  |  |  |  |
| --- | --- | --- | --- |
| Category / Priority | LOW | MEDIUM | HIGH |
| LDAP Injection | 0 | 0 | 0 |
| Object Injection | 0 | 0 | 0 |
| Server-Side Request Forgery (SSRF) | 0 | 0 | 0 |
| XML External Entity (XXE) | 0 | 0 | 0 |
| Insecure Configuration | 0 | 0 | 0 |
| XPath Injection | 0 | 0 | 0 |
| Authentication | 0 | 0 | 1 |
| Weak Cryptography | 0 | 0 | 0 |
| Denial of Service (DoS) | 0 | 0 | 0 |
| Log Injection | 0 | 0 | 0 |
| Cross-Site Request Forgery (CSRF) | 0 | 0 | 0 |
| Open Redirect | 0 | 0 | 0 |
| Permission | 0 | 0 | 0 |
| SQL Injection | 0 | 0 | 0 |
| Encryption of Sensitive Data | 0 | 0 | 0 |
| Traceability | 0 | 0 | 0 |
| Buffer Overflow | 0 | 0 | 0 |
| File Manipulation | 0 | 0 | 0 |
| Code Injection (RCE) | 0 | 0 | 0 |
| Cross-Site Scripting (XSS) | 0 | 0 | 0 |
| Command Injection | 0 | 0 | 0 |
| Path Traversal Injection | 0 | 0 | 0 |
| HTTP Response Splitting | 0 | 0 | 0 |
| Others | 0 | 0 | 0 |

## Security hotspots List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | Name | Priority | Severity | Count |
| Authentication | Hard-coded passwords are security-sensitive | HIGH | BLOCKER | 1 |