# **ID607001: Introductory Application Development Concepts**

# **Practical: Node.js REST API Testing Marking Rubric**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **10-9** | **8-7** | **6-5** | **4-0** |
| **Functionality** | Suite of API tests contain comprehensive and robust evidence on the following functionality: Testing and NPM Scripts. | Suite of API tests contain clear and detailed evidence on the following functionality: Testing and NPM Scripts. | Suite of API tests contain evidence on the following functionality: Testing and NPM Scripts. | Suite of tests do not or do not fully contain evidence on the following functionality: Testing and NPM Scripts. |
| **Code Elegance** | Suite of API tests demonstrate comprehensive evidence on the following:   * Environment variables’ key is stored in the env.example file. * Database configured for the testing environment. * Appropriate variable and names. * Idiomatic use of control flow, data structures and in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Commenting and formatting. * Mocha, Chai and Prettier are installed as development dependencies. * No dead or unused code. | Suite of API tests demonstrate clear evidence on the following:   * Environment variables’ key is stored in the env.example file. * Database configured for the testing environment. * Appropriate variable and names. * Idiomatic use of control flow, data structures and in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Commenting and formatting. * Mocha, Chai and Prettier are installed as development dependencies. * No dead or unused code. | Suite of API tests demonstrate evidence on the following:   * Environment variables’ key is stored in the env.example file. * Database configured for the testing environment. * Appropriate variable and names. * Idiomatic use of control flow, data structures and in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Commenting and formatting. * Mocha, Chai and Prettier are installed as development dependencies. * No dead or unused code. | Suite of tests do not or do not fully demonstrate evidence on the following:   * Environment variables’ key is stored in the env.example file. * Database configured for the testing environment. * Appropriate variable and names. * Idiomatic use of control flow, data structures and in-built functions. * Efficient algorithmic approach. * Sufficient modularity. * Commenting and formatting. * Mocha, Chai and Prettier are installed as development dependencies. * No dead or unused code. |
| **Documentation & Git Usage** | README file contains comprehensive evidence on the following:   * Setup the testing environment. * Format code. * Run API tests. * Use of Markdown. * Spelling and grammar correctness.   Git commit messages comprehensively formatted and reflect the changes in concise detail. | README file contains clear evidence of:   * Setup the testing environment. * Format code. * Run API tests. * Use of Markdown. * Spelling and grammar correctness.   Git commit messages clearly formatted and reflect the changes in substantial detail. | README file contains evidence of:   * Setup the testing environment. * Format code. * Run API tests. * Use of Markdown. * Spelling and grammar correctness.   Git commit messages formatted and reflect the changes in detail. | README file does not or does not fully contain evidence of:   * Setup the testing environment. * Format code. * Run API tests. * Use of Markdown. * Spelling and grammar correctness.   Git commit messages are not or are not fully formatted and do not or do not fully reflect the changes. |

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# **Practical: Node.js REST API Testing Marking Cover Sheet**

Name:

Date:

Learner ID:

Assessor’s Name:

Assessor’s Signature:

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| --- | --- | --- | --- |
| **Criteria** | **Out Of** | **Weighting** | **Final Result** |
| Functionality | 10 | 40 |  |
| Code Elegance | 10 | 45 |  |
| Documentation & Git Usage | 10 | 15 |  |
| **Final Result** | | | /100 |
| **This assessment is worth 20% of the final mark for the Introductory Application Development Concepts course.** | | | |

**Feedback:**

**Functionality:**

**Code Elegance:**

**Documentation & Git Usage:**