

Smart Fuel Allocation API Testing - Assumption & Questions

Assumptions

- For the purpose of this exercise the tests will focus on basic scenarios outlined in the requirements
- No Performance Testing, Security Testing or other general usability testing is required.
- Although my tests do not cover this in full, some of the general tests performed for API testing would include:
 - a. Validate API Accuracy: Verify that the API returns the correct data and performs the expected operations for various inputs.
 - b. Data Validation: Ensure that the API correctly handles valid and invalid input data, including boundary conditions and edge cases.
 - c. Response Body and Status Codes: Check that the API returns appropriate HTTP status codes (e.g., 200 OK, 400 Bad Request, 500 Internal Server Error) and that the response body contains the expected information.
 - d. Error Handling: Test how the API handles errors, including invalid requests, missing parameters, and internal server issues, and ensure it provides clear and informative error messages.

Questions:

- It is mentioned that the system is “resilient to missing data”: What is the minimum data required in a request to yield a successful response (200 OK)?
- Other questions are included in the [README.md](#) file