

# API TEST CLOSURE REPORT

## 1. Summary

- API testing was designed and prepared for all available OrangeHRM endpoints using Postman.
  - No automation was performed; all execution is planned for manual testing in the future.
  - Detailed test design and defect analysis were conducted.
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## 2. Scope

- Auth / Token authentication
  - Employee Creation (PIM)
  - Employee Update (PIM)
  - Employee Deletion (PIM)
  - Employee Search / List Employees
  - Leave Management (Apply, Approve, Reject)
  - Job Title Management (Admin Module)
  - Negative testing and boundary / edge-case testing
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## 3. Execution Metrics

Metric	Value
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Total API Test Cases      20 (TC001–TC020)

Executed      1

Passed      1

Failed      0

Pass Rate      100%

**Note:** Execution metrics will be available once manual testing is performed.

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## 4. Defect Summary (Planned / Expected Issues)

Bug ID	Issue	Status
API-01	DELETE returns wrong status code (500)	Planned for logging if occurs
API-02	Duplicate employee email allowed	Planned
API-03	Missing validation for null / empty fields	Planned
API-04	Wrong status code for unauthorized requests	Planned

**Note:** Only one test case was executed so far (does not require authentication token). Execution of remaining test cases will be performed once authentication setup is ready.

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## 5. Risks

- Token expiration may affect future execution
  - API documentation lacks some examples for certain endpoints
  - Demo server environment may be unstable, affecting responses
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## 6. Conclusion

- API test planning objectives were successfully achieved
- All Test Cases are designed, ready, and covered for functional, negative, and edge-case scenarios
- Execution and defect logging will require a manual run in a stable environment

## Justification:

We performed execution for only one test case, which does not require an authentication token. Execution for all remaining test cases, which require a token to access protected APIs, was not performed. All test scenarios, test data, and the Postman collection are prepared and ready. Once the token is available, execution can be performed for all remaining test cases