Test Summary Report (GroupB)

- Project Name: OrangeHRM Web Application Testing
- Report Date: October 22, 2024
- Testing Period: October 15, 2024 – October 22, 2024
- Version: 1.0
- Team Members:

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Manual Execution Metrics:

- ❖ Total Planned Test Cases: 80
- ❖ Total Executed Test Cases: 72
- ❖ Test Cases Coverage Percentage: (69/80) * 100 = 90.%
- ❖ Total Passed Test Cases: 60
- ❖ Total Failed Test Cases: 10
- ❖ Total Reported Bugs: 9
- ❖ Remarks:
  - Failures Overview: Most failures are concentrated in login and dashboard navigation, indicating a persistent issue with session management and UI responsiveness.
  - Functional Areas Covered:
    - Login: Several test cases failed after password resets, highlighting gaps in user authentication mechanisms.
    - Employee Management: Majority passed, but edge case scenarios for user roles weren't fully tested.
    - Leave Application: Partial coverage; important test cases were skipped due to time constraints.
    - Admin Panel Settings: Solid performance but exhibited inconsistencies during user permission updates.
  - Deferred Test Cases: Test cases for the "Employee Leave Management" module, focusing on advanced leave types (e.g., medical or maternity), were not executed due to time constraints.
  - Additional Modules Covered: Time & Attendance, PIM, and Admin settings are pending more thorough manual testing in subsequent cycles.
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Automation Execution Metrics:

- ❖ Total Planned Test Scripts: 15
- ❖ Total Executed Test Scripts: 13
- ❖ Test Automation Scripts Coverage Percentage: (13/15) * 100 = 86.66%
- ❖ Total Passed Test Scripts: 13
- ❖ Total Failed Test Scripts: 0
- ❖ Remarks:
  - Focus Areas: Automated tests were executed primarily on critical modules such as:
  - Admin Panel: Successfully validated user role creation, permissions management, and updates to admin settings. Further enhancements needed for bulk role assignments.
  - Performance Management: Basic tests completed, ensuring that performance review forms are generated and submitted correctly. More coverage needed for advanced scenarios like multi-level reviews.
  - Login and Logout: Automation scripts covering login/logout functionalities were successful, ensuring session handling works correctly across different user roles. Special attention to login after password resets.
  - Time Management: Automated test cases for tracking employee hours and time-off requests were successful. Needs further testing for scenarios with varying time zones and shifts.
  - Recruitment Module: Basic automation covered job postings and candidate applications. Next steps include testing bulk applicant imports and automated email notifications.
  - Dashboard Navigation: Scripts ensured proper functionality of dashboard widgets and data display for different user roles. Upcoming tests will target performance during high-traffic periods.
  - Challenges in Automation: Failures occurred when updating employee details due to inconsistent page load times and backend service responses. This will be addressed by introducing wait times or retry mechanisms in the automation scripts.
  - Future Scope: Plans to enhance automation coverage for additional workflows, such as "Time and Attendance" tracking, deeper "Performance Management" testing (multi-level reviews, performance ratings), and bulk data handling in the recruitment process.

Conclusion:

- Overall Test Coverage: Both manual and automation testing demonstrated significant progress, especially in high-priority areas like login, role management, time management, and recruitment. However, broader coverage for admin workflows and advanced recruitment features is required.
- Key Issues:
  1. Login Failures: Persistent issues after password resets require immediate attention, particularly affecting admin users.
  2. Time Management: Although basic functionality is verified, edge cases related to shift patterns and varying time zones remain untested.
  3. Recruitment: While candidate applications were successfully tested, the module needs deeper coverage for advanced workflows like automated screening and email notifications.
- Next Steps:
  1. Fix and Retest: Address failed test cases related to updating employee details and retest to ensure stability.
  2. Increase Automation Coverage: Extend automation scripts to cover advanced "Admin Panel" configurations, comprehensive "Performance Management" scenarios, and bulk data management in "Recruitment."
  3. Test Data Enhancement: Generate more complex test data for time management (shift patterns, overtime) and recruitment (varied applicant profiles) to simulate real-world conditions.
  4. Dashboard Performance: Perform stress testing on the dashboard during high-traffic periods to ensure data is displayed correctly without delays.