Database Testing

Tools: MySQL

Database Assumption:

Database testing was performed on assumed HR-related tables to validate data integrity and correctness. The test cases are written based on common database structures used in HR management systems.

Assumed Database Tables:

- Users
- Employees
- Leave_requests
- claims

Database Testcases:

DB_Testcase_01

Objective: Verify that user data exists in database after user creation
Table Name: users
SQL Query:
SELECT * FROM users WHERE username = 'manda.user';
Expected Result: User record should be present in the users table.
Actual Result: User record is present in the database.
Status: Pass

DB_Testcase_02

Objective: Validate employee details stored correctly
Table Name: Employees
SQL Query:
SELECT employee_id, first_name, last_name, job_title
FROM employees
WHERE employee_id = 'EMP001';
Expected Result: Employee details should match the UI data.
Actual Result: Employee details match the expected values.
Status: Pass

DB_Testcase_03

Objective: Verify leave request is stored in database
Table Name: Leave_requests
SQL Query:
SELECT * FROM leave_requests
WHERE employee_id = 'EMP001'
AND leave_status = 'Pending';
Expected Result: Leave request should be stored with correct status.
Actual Result: Leave request data found with correct status.\
Status: Pass

Conclusion:

Database testing was performed using SQL queries to validate data integrity and correctness. The test cases ensured that user, employee, leave, and claim data were stored accurately in the database.