

Test Cases for Employee Management System

5. a) Create a New Employee Record

Test Case 5.a.1: Create a new employee with valid inputs

- **Test Case ID:** TC005.a.1
- **Test Case Name:** Create a new employee with valid inputs
- **Description:** Test creating a new employee record with valid details.

Input:

- Employee ID: 1001
- First Name: John
- Last Name: Doe
- Department: HR
- Salary: 60000

Expected Output (Oracle):

- New employee record is successfully created in the database.

Initialization:

- Ensure no existing employee with the same ID.

Test Steps:

1. Navigate to the "Create New Employee" section.
2. Enter Employee ID, First Name, Last Name, Department, and Salary.
3. Click the "Submit" button.

Tear Down:

- Verify the new employee record is present in the database.

Test Case 5.a.2: Create a new employee with an existing employee ID

- **Test Case ID:** TC005.a.2
- **Test Case Name:** Create a new employee with an existing employee ID
- **Description:** Test creating a new employee record with an ID that already exists.

Input:

- Employee ID: 1001 (existing)
- First Name: Jane
- Last Name: Smith
- Department: IT
- Salary: 70000

Expected Output (Oracle):

- Error message "Employee ID already exists."

Initialization:

- Ensure an employee with ID 1001 already exists.

Test Steps:

1. Navigate to the "Create New Employee" section.
2. Enter Employee ID, First Name, Last Name, Department, and Salary.
3. Click the "Submit" button.

Tear Down:

- Error message displayed, no new record created.
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Test Case 5.a.3: Create a new employee with missing required fields

- **Test Case ID:** TC005.a.3
- **Test Case Name:** Create a new employee with missing required fields
- **Description:** Test creating a new employee record with missing required fields.

Input:

- Employee ID: 1002
- First Name: ""
- Last Name: Doe
- Department: HR
- Salary: 60000

Expected Output (Oracle):

- Error message "First Name is required."

Initialization:

- None.

Test Steps:

1. Navigate to the "Create New Employee" section.
2. Enter Employee ID, Last Name, Department, and Salary, leaving First Name empty.
3. Click the "Submit" button.

Tear Down:

- Error message displayed, no new record created.
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5. b) Update an Employee Record**Test Case 5.b.1: Update an existing employee's salary**

- **Test Case ID:** TC005.b.1
- **Test Case Name:** Update an existing employee's salary
- **Description:** Test updating the salary of an existing employee.

Input:

- Employee ID: 1001
- New Salary: 65000

Expected Output (Oracle):

- Employee's salary is updated to the new value in the database.

Initialization:

- Ensure an employee with ID 1001 exists.

Test Steps:

1. Navigate to the "Update Employee" section.
2. Enter Employee ID and the new Salary.
3. Click the "Submit" button.

Tear Down:

- Verify the employee's salary is updated in the database.
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Test Case 5.b.2: Update an employee's department with non-existent employee ID

- **Test Case ID:** TC005.b.2

- **Test Case Name:** Update an employee's department with non-existent employee ID
- **Description:** Test updating the department of a non-existent employee.

Input:

- Employee ID: 9999
- New Department: Finance

Expected Output (Oracle):

- Error message "Employee ID does not exist."

Initialization:

- Ensure no employee with ID 9999 exists.

Test Steps:

1. Navigate to the "Update Employee" section.
2. Enter Employee ID and the new Department.
3. Click the "Submit" button.

Tear Down:

- Error message displayed, no record updated.
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Test Case 5.b.3: Update an employee with missing required fields

- **Test Case ID:** TC005.b.3
- **Test Case Name:** Update an employee with missing required fields
- **Description:** Test updating an employee record with missing required fields.

Input:

- Employee ID: 1001
- New Department: ""

Expected Output (Oracle):

- Error message "Department is required."

Initialization:

- Ensure an employee with ID 1001 exists.

Test Steps:

1. Navigate to the "Update Employee" section.
2. Enter Employee ID and leave the Department field empty.
3. Click the "Submit" button.

Tear Down:

- Error message displayed, no record updated.
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5. c) Delete an Employee Record

Test Case 5.c.1: Delete an existing employee record

- **Test Case ID:** TC005.c.1
- **Test Case Name:** Delete an existing employee record
- **Description:** Test deleting an existing employee record.

Input:

- Employee ID: 1001

Expected Output (Oracle):

- Employee record is successfully deleted from the database.

Initialization:

- Ensure an employee with ID 1001 exists.

Test Steps:

1. Navigate to the "Delete Employee" section.
2. Enter Employee ID.
3. Click the "Submit" button.

Tear Down:

- Verify the employee record is deleted from the database.
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Test Case 5.c.2: Delete a non-existent employee record

- **Test Case ID:** TC005.c.2
- **Test Case Name:** Delete a non-existent employee record
- **Description:** Test attempting to delete a non-existent employee record.

Input:

- Employee ID: 9999

Expected Output (Oracle):

- Error message "Employee ID does not exist."

Initialization:

- Ensure no employee with ID 9999 exists.

Test Steps:

1. Navigate to the "Delete Employee" section.
2. Enter Employee ID.
3. Click the "Submit" button.

Tear Down:

- Error message displayed, no record deleted.
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Test Case 5.c.3: Delete an employee record with empty ID

- **Test Case ID:** TC005.c.3
- **Test Case Name:** Delete an employee record with empty ID
- **Description:** Test attempting to delete an employee record without providing an ID.

Input:

- Employee ID: ""

Expected Output (Oracle):

- Error message "Employee ID is required."

Initialization:

- None.

Test Steps:

1. Navigate to the "Delete Employee" section.
2. Leave the Employee ID field empty.
3. Click the "Submit" button.

Tear Down:

- Error message displayed, no record deleted.