

## Defect Report – Employee Registration Information-Database Testing

<b>Defect ID</b>	<b>DF-DB-001</b>
<b>Project</b>	Employee Data Management System
<b>Module</b>	Employee Registration
<b>Reported By</b>	Sayali Mahamuni
<b>Reported On</b>	26-Sep-2025
<b>Severity</b>	High
<b>Priority</b>	Medium
<b>Defect Title</b>	System allows future date entry during employee registration.
<b>Description</b>	During employee registration, the system allows saving records with future dates (e.g., 01-Jan-2026) without any validation or error message. This violates business rules and may lead to incorrect employee data in the database.
<b>Expected Result</b>	The system should restrict selection of future dates and display a validation error message.
<b>Actual Result</b>	The system allows submission with future dates without displaying any validation message.
<b>Attachment</b>	Screenshots of registration page with future date are attached.
<b>Environment</b>	OS: Windows 10 Browser: Chrome118 Test Type: Database Testing

## Screenshots:

The screenshot shows the Oracle SQL Developer interface. The top menu bar includes File, Edit, View, Navigate, Run, Source, Team, Tools, Window, and Help. The Connections tab is selected, showing a connection to 'EmployeeDB'. The main area has two tabs: 'Worksheet' and 'Query Builder'. The 'Worksheet' tab contains the following SQL code:

```
VALUES (611, 'Test', NULL, 'test.null@company.com', '9876543411', TO_DATE('05-NOV-2025','DD-MON-YYYY'), 'HR REP', 45000, 60);
-- Negative case -- Insert invalid salary (CHECK constraint) --
INSERT INTO employees_test (employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary, department_id)
VALUES (612, 'Test', 'Salary', 'test.salary@company.com', '9876543412', TO_DATE('10-NOV-2025','DD-MON-YYYY'), 'SA REP', -1000, 80);
-- Negative case -- Insert duplicate email (UNIQUE constraint) --
INSERT INTO employees_test (employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary, department_id)
VALUES (613, 'Duplicate', 'Email', 'amit.kumar@company.com', '9876543413', TO_DATE('12-NOV-2025','DD-MON-YYYY'), 'MK REP', 50000, 70);
-- Negative case -- Insert hire_date in future (beyond 2025) --
INSERT INTO employees_test (employee_id, first_name, last_name, email, phone_number, hire_date, job_id, salary, department_id)
VALUES (614, 'Future', 'Date', 'future.date@company.com', '9876543414', TO_DATE('01-JAN-2026','DD-MON-YYYY'), 'IT PROG', 55000, 90);
SELECT * FROM EMPLOYEES_TEST WHERE EMPLOYEE_ID = 614;
```

The 'Query Result' tab shows the output of the last SELECT statement:

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	DEPARTMENT_ID
1	614	Future	Date	future.date@company.com	9876543414	01-JAN-26	IT_FROG	55000	90

The system tray at the bottom shows the Windows logo, a search bar, pinned icons for File Explorer, Edge, and others, and a taskbar with the date and time (10/2/2025, 11:23 AM).