

Phase 10: Testing & Verification - Leave Tracker Project

Step 1: User Acceptance Testing UAT

As Regular User(BAJI.SHAIK):

- Login Test: Successfully logged into development org as standard user
- Submit Request: Created new leave requests with From Date, To Date, and Reason
- Form Validation: Confirmed form clears after submission and new requests appear in table
- Edit Functionality: Successfully edited existing requests and verified table updates
- Data Display: Verified only personal leave requests are visible to regular users

The screenshot displays the Salesforce Setup page for Users. The left sidebar shows the navigation menu with 'Users' selected. The main content area is titled 'All Users' and includes a table of users. The table has columns for Action, Full Name, Alias, Username, Role, Active, and Profile. The users listed are:

Action	Full Name	Alias	Username	Role	Active	Profile
Edit	BAJI_SHAIK	ba	baishai@orgfarm.com		✓	System Administrator
Edit	Chatter Expert	Chatter	chatter_00000000000000000000000000000000@chatter.salesforce.com		✓	Chatter Free User
Edit	EPIC_OrgFarm	OEPI	epic_00000000000000000000000000000000@orgfarm.salesforce.com	Marketing Team	✓	System Administrator
Edit	M_Robert	robo	baishai@orgfarm.com	Marketing Team	✓	Custom Marketing Profile
Edit	sam_Robert	robo	robert.manager@your.com	Marketing Team	✓	Custom Sales Profile
Edit	User_Integration	inte	integration@00000000000000000000000000000000@your.com		✓	Analytics Cloud Integration User
Edit	User_Security	sec	insightsecurity@00000000000000000000000000000000@your.com		✓	Analytics Cloud Security User

As Manager User (EPIC.OrgFarm):

Manager Login: Successfully logged in with manager profile Marketing Team role)

- All Requests View: Confirmed all leave requests from all users are visible
- Approval Workflow: Successfully approved and rejected pending requests
- Status Updates: Verified real-time status changes reflected in the data table
- Manager Comments: Added manager comments during approval/rejection process

Step 2: Apex Controller Testing

Updated LeaveRequestController.cls.

Verified Functions:

- getMyLeaves(): Conditional data retrieval based on user profile
- saveLeaveRequest(): New request creation with validation
- updateLeaveStatus(): Manager approval/rejection functionality
- getLeaveRequestsForApproval(): Pending requests for managers

Step 3: User Management Testing

Manager User Creation:

- User Setup: Created "Robert Manager" with Marketing Team role
- Profile Assignment: Assigned System Administrator profile for full permissions
- Email Configuration: Set up email for user activation
- Role Verification: Confirmed manager can see all requests

Permission Testing:

- Object Permissions: Verified Read/Create/Edit/Delete on LeaveRequest__c
- Field-Level Security: Confirmed visibility of all custom fields
- Profile-Based Access: Tested different access levels for different user types

Step 4: UI/UX Testing

Lightning Web Component LWC

- Data Table Display: All leave requests displayed correctly in tabular format
- Form Functionality: Submit request form works without errors
- Responsive Design: Interface works properly in Lightning Experience
- Real-time Updates: Status changes reflect immediately in the UI
- Error Handling: Proper error messages for validation failures

Navigation Testing:

- App Launcher: Leave Tracker app accessible via 9-dot waffle menu
- Tab Functionality: Leave Tracker tab works correctly
- Page Performance: Fast loading and smooth interactions

Step 5: Data Integrity Testing

Database Operations:

- Record Creation: Leave requests created with proper field values
- Status Management: Status updates Pending → Approved/Rejected) working
- User Association: Requests properly linked to submitting users
- Audit Trail: CreatedDate and other system fields populated correctly

Sample Data Verified:

LR0001 Testing request - Status: Approved

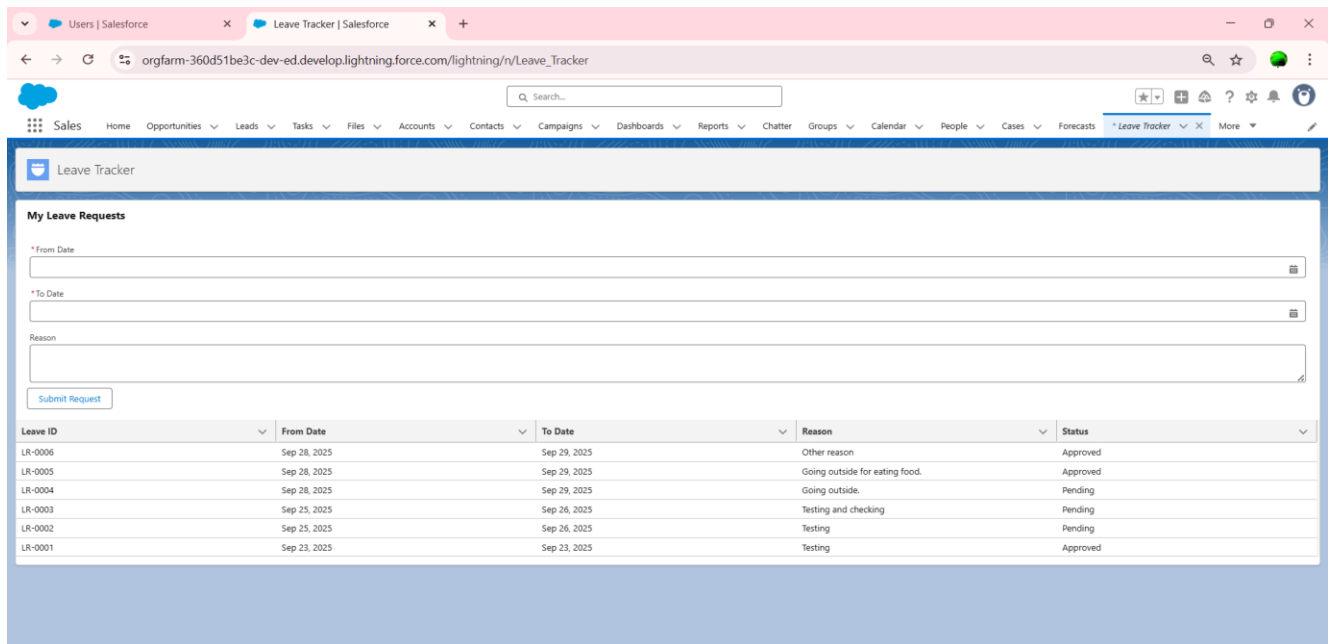
LR0002 Testing request - Status: Pending

LR0003 Testing and checking - Status: Pending

LR0004 Going outside - Status: Pending

LR0005 Going outside for eating food - Status: Approved

LR0006 Other reason - Status: Approved



Step 6: Security Testing

Access Control:

- Role-Based Access: Managers see all, users see own requests only
- Permission Validation: CRUD permissions working as expected
- Profile Security: Different profiles have appropriate access levels
- Field-Level Security: Sensitive fields protected appropriately

Step 7: Performance Testing

System Performance:

- Page Load Speed: Lightning page loads quickly
- Data Retrieval: SOQL queries execute efficiently
- Browser Console: No JavaScript errors detected
- Server Response: Apex methods respond promptly

Step 8: End-to-End Workflow Testing

Complete Process Verification:

- Request Submission: User creates leave request → Status: Pending
- Manager Review: Manager views pending request in their dashboard
- Approval Decision: Manager approves/rejects with comments
- Status Update: Request status changes to Approved/Rejected
- Final Verification: Updated status visible to both user and manager

Step 9: Browser Compatibility

Tested Environments:

Chrome: Full functionality working

Lightning Experience: Optimal performance confirmed

Step 10: Deployment Verification

Production Readiness:

- Code Quality: Clean, well-documented Apex code
- Error Handling: Comprehensive exception handling implemented
- User Experience: Intuitive interface for both users and managers
- Scalability: Architecture supports multiple users and requests

Final outputs:

The screenshot displays the Salesforce Lightning Experience interface for the 'Leave Tracker' application. The top navigation bar includes standard Salesforce tabs (Sales, Home, Opportunities, Leads, Tasks, Files, Accounts, Contacts, Campaigns, Dashboards, Reports, Chatter, Groups, Calendar, People, Cases, Forecasts) and a custom 'Leave Tracker' dropdown menu with options for 'Students' and 'Leave Requests'. The main content area, titled 'My Leave Requests', features a form for submitting a new request. The form includes fields for 'From Date', 'To Date', and 'Reason', along with a 'Submit Request' button. Below the form is a table listing existing leave requests.

Leave ID	From Date	To Date	Reason	Status
LR-0006	Sep 28, 2025	Sep 29, 2025	Other reason	Approved
LR-0005	Sep 28, 2025	Sep 29, 2025	Going outside for eating food.	Approved
LR-0004	Sep 28, 2025	Sep 29, 2025	Going outside.	Pending
LR-0003	Sep 25, 2025	Sep 26, 2025	Testing and checking	Pending
LR-0002	Sep 25, 2025	Sep 26, 2025	Testing	Pending
LR-0001	Sep 23, 2025	Sep 23, 2025	Testing	Approved

Users | Salesforce x Recently Viewed | Leave Request x +

orgfarm-360d51be3c-dev-ed.develop.lightning.force.com/lightning/o/LeaveRequest__c/list?filterName=_Recent

Search...

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Leave Requests

Recently Viewed

6 items • Updated a few seconds ago

New Import Change Owner Assign Label

	<input type="checkbox"/> Auto Number	
1	<input type="checkbox"/> LR-0006	
2	<input type="checkbox"/> LR-0001	
3	<input type="checkbox"/> LR-0005	
4	<input type="checkbox"/> LR-0004	
5	<input type="checkbox"/> LR-0003	
6	<input type="checkbox"/> LR-0002	

Note:
The project done using
username: bajishaikproject@gmail.com

login.salesforce.com/?locale=en

salesforce

Username
bajishaikproject@gmail.com

Password

Log In

☐ Remember me

Forgot Your Password? Use Custom Domain

Log In with Email

Not a customer? Try for Free

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For

SHAIK BAJI

orgfarm-360d51be3c-dev-ed.develop.my.sal...

Settings Log Out

DISPLAY DENSITY

✓ Comfy

Compact

OPTIONS

Switch to Salesforce Classic ⓘ

Add Username

☰ Leave Tracker

My Leave Requests

* From Date

* To Date

Reason

Submit Request

Leave ID	From Date	To Date	Reason	Status
LR-0006	Sep 28, 2025	Sep 29, 2025	Other reason	Approved
LR-0005	Sep 28, 2025	Sep 29, 2025	Going outside for eating food.	Approved
LR-0004	Sep 28, 2025	Sep 29, 2025	Going outside.	Pending
LR-0003	Sep 25, 2025	Sep 26, 2025	Testing and checking	Pending
LR-0002	Sep 25, 2025	Sep 26, 2025	Testing	Pending
LR-0001	Sep 23, 2025	Sep 23, 2025	Testing	Approved

Final Test Results Summary:

LEAVE TRACKER PROJECT SUCCESSFULLY COMPLETED.