

Phase 6: User Interface Development

1. Lightning App Builder

- Built a Travel Approval Lightning App for streamlined navigation.
- Added custom objects (Department, Travel Approval, Expense Item) as tabs.
- Customized navigation bar for employees, managers, and admins.

The screenshot shows the 'App Details & Branding' configuration page in the Lightning App Builder. The left sidebar contains a 'Settings' menu with options: 'App Details & Branding' (selected), 'App Options', 'Utility Items (Desktop Only)', 'Navigation Items', and 'User Profiles'. The main content area is divided into two sections: 'App Details' and 'App Branding'. The 'App Details' section includes fields for 'App Name' (Travel App), 'Developer Name' (Travel_App), and a 'Description' field. The 'App Branding' section includes an 'Image' field with a blue airplane icon, a 'Primary Color Hex Value' field with the value #0070D2, and a 'Clear' button. Below these is the 'Org Theme Options' section with a checkbox 'Use the app's image and color instead of the org's custom theme'. At the bottom is the 'App Launcher Preview' showing the app icon and name.

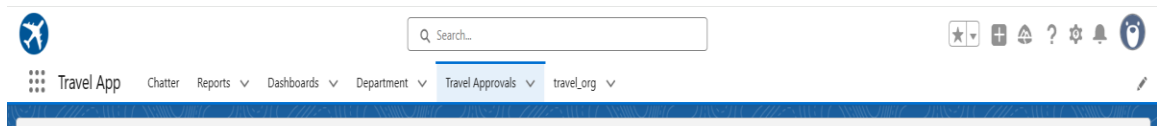
2. Record Pages

- Customized record pages for better user experience.
- Travel Approval Record Page: Shows trip details, related expenses, and approval status.
- Expense Item Record Page: Displays expense type, amount, and linked travel approval.
- Managers' record page includes quick approval actions.

The screenshot shows the 'Travel Approval' record page in Salesforce. The top header bar displays the record ID 'TA-00001' and buttons for 'New Contact', 'Edit', and 'New Opportunity'. The main content area is divided into two sections: 'Related' and 'Details'. The 'Details' section shows fields for 'Travel Approval #', 'Purpose of Trip', 'Status', 'Draft', 'Trip Start Date', 'Trip End Date', 'Out-of-State', 'Destination State', 'Department', and 'Technology'. The 'Activity' section on the right shows a list of activities with filters for 'All time', 'All activities', and 'All types'. The 'Upcoming & Overdue' section shows 'No activities to show. Get started by sending an email, scheduling a task, and more.' and 'No past activity. Past meetings and tasks marked as done show up here.'

3. Tabs

- Created custom tabs for:
 - - Department → Manage departments.
 - - Travel Approval → Submit/view travel requests.
 - - Expense Item → Track and manage expenses.
- Tabs were added to the app navigation bar for easy access.



4. Home Page Layouts

- Customized the home page for different roles.
- Employees: Quick action to submit new travel request.
- Managers: Dashboard component showing pending approvals.
- Admins: Reports & analytics snapshot (department-wise requests, expenses).

For Employees:

For Manager:

Approval History (2)			
		Approve	Reject
Step Name	Date	Status	Assigned To
Step 1	26/09/2025, 12:33 am	Pending	Eric Executive
Approval Request Submitted	26/09/2025, 12:33 am	Submitted	Ningaraj Gani

For Admins:

Travel App Chatter Reports Dashboards Department Travel Approvals travel_org

REPORT Travel Requests by Department Travel Approvals

Previewing a limited number of records. Run the report to see everything. Update Preview Automatically

Department	Travel Approval: Travel Approval #	Status	Out-of-State	Destination State	Trip Start Date	Trip End Date
college_trip (1)	TA-00003	Pending Approval	<input type="checkbox"/>	-	08/08/2025	13/08/2025
Subtotal			0			
Contract Management (1)	TA-00011	Approved	<input checked="" type="checkbox"/>	OK	05/11/2019	05/11/2019
Subtotal			1			
Disability Determination Bureau (2)	TA-00004	Approved	<input checked="" type="checkbox"/>	OK	10/01/2019	10/01/2019
TA-00010	Rejected	<input checked="" type="checkbox"/>	OK	03/06/2019	03/07/2019	
Subtotal			2			
Division of Aging (1)	TA-00007	Approved	<input checked="" type="checkbox"/>	GA	11/05/2019	11/11/2019
Subtotal			1			
Division of Disability and Rehabilitative Services (4)	TA-00005	Rejected	<input checked="" type="checkbox"/>	OK	04/03/2019	04/06/2019
TA-00009	Approved	<input checked="" type="checkbox"/>	FL	11/06/2019	11/12/2019	
TA-00012	Approved	<input checked="" type="checkbox"/>	GA	07/07/2019	07/07/2019	
TA-00017	Approved	<input checked="" type="checkbox"/>	OK	10/11/2019	10/12/2019	
Subtotal			4			
Division of Family Resources (1)	TA-00015	Approved	<input type="checkbox"/>	TX	04/01/2019	04/01/2019
Subtotal			0			

Row Counts Detail Rows Subtotals Grand Total Conditional Formatting

5. Utility Bar

- Added a Utility Bar for frequently used tools.
- Included:
 - - Notes for managers to add comments.
 - - Recent Items to quickly open recent travel approvals.
 - - Approval Status Tracker (custom flow).

6. LWC (Lightning Web Components)

- Developed simple LWCs for enhanced UI.
- Examples in project:
 - - Expense Summary Component: Displays total expenses for a travel request.
 - - Approval Button Component: Allows managers to approve/reject directly.


Travel Approvals All

50+ items • Sorted by Status • Updated a few seconds ago

Travel Appr...	Department	Created By	Status	Trip Start Date	Trip End Date
1 TA-00003	college_trip	Ningaraj Gani	Pending Approval	8/8/2025	13/8/2025
2 TA-00001	Technology	Ningaraj Gani	Approved	28/7/2025	29/7/2025
3 TA-00004	Disability Determination Bureau	Ningaraj Gani	Approved	10/1/2019	10/1/2019
4 TA-00007	Division of Aging	Ningaraj Gani	Approved	11/5/2019	11/11/2019
5 TA-00008	Technology	Ningaraj Gani	Approved	3/6/2019	3/9/2019
6 TA-00009	Division of Disability and Rehabilitative Services	Ningaraj Gani	Approved	11/6/2019	11/12/2019
7 TA-00011	Contract Management	Ningaraj Gani	Approved	5/11/2019	5/11/2019
8 TA-00012	Division of Disability and Rehabilitative Services	Ningaraj Gani	Approved	7/7/2019	7/7/2019
9 TA-00013	Office of Communications and Media	Ningaraj Gani	Approved	6/2/2019	6/12/2019
10 TA-00014	Office of Medicaid Policy and Planning	Ningaraj Gani	Approved	11/5/2019	11/11/2019
11 TA-00015	Division of Family Resources	Ningaraj Gani	Approved	4/1/2019	4/1/2019
12 TA-00016	Human Resources	Ningaraj Gani	Approved	7/9/2019	7/11/2019
13 TA-00017	Division of Disability and Rehabilitative Services	Ningaraj Gani	Approved	10/11/2019	10/12/2019
14 TA-00018	Office of General Counsel	Ningaraj Gani	Approved	12/6/2019	12/8/2019
15 TA-00019	Legislative Services	Ningaraj Gani	Approved	6/3/2019	6/3/2019


Expense Item Component:

Related Details

 **Notes & Attachments (0)** [Upload Files](#)

[Upload Files](#)

Or drop files

 **Expense Items (2)** [New](#)

Expense Item Number	Expense Type	Amount	
E-00002	Hotel	₹870.00	▼
E-00001	Airfare	₹450.00	▼

[View All](#)

7. Apex with LWC:


No Usage of Apex

8. Events in LWC

- Used events to communicate between components.
- Use case: When a new expense is added, an event triggers the parent LWC to refresh the total expense summary.

9. Navigation Service


- Used to navigate between pages in the app.
- Use case: From the Expense Summary LWC, users can click a button to directly open the related Travel Approval record page.


 Expense Item
E-00002

Related


Details


Expense Item Number
E-00002

Amount
₹870.00 

Expense Type
Hotel 

Travel Approval
[TA-00001](#)

Created By
 [Ningaraj Gani](#), 28/07/2025, 8:22 pm

Last Modified By
 [Ningaraj Gani](#), 28/07/2025, 8:22 pm