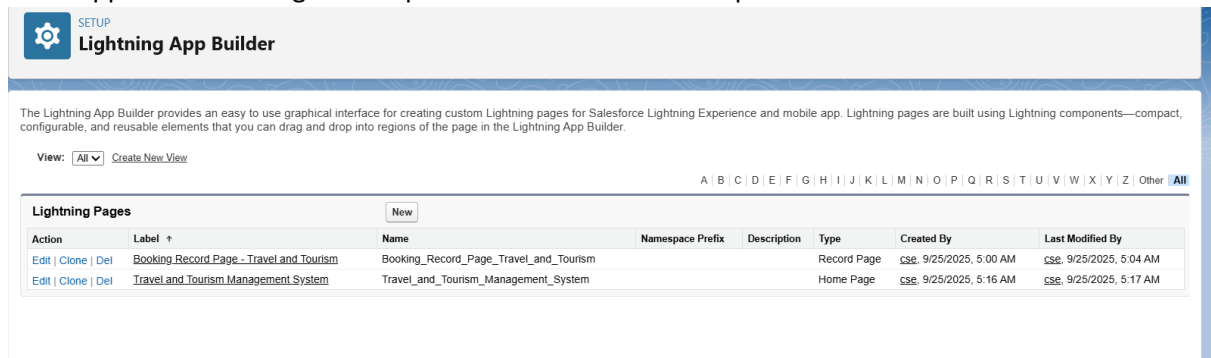**Phase 6: User Interface Development**
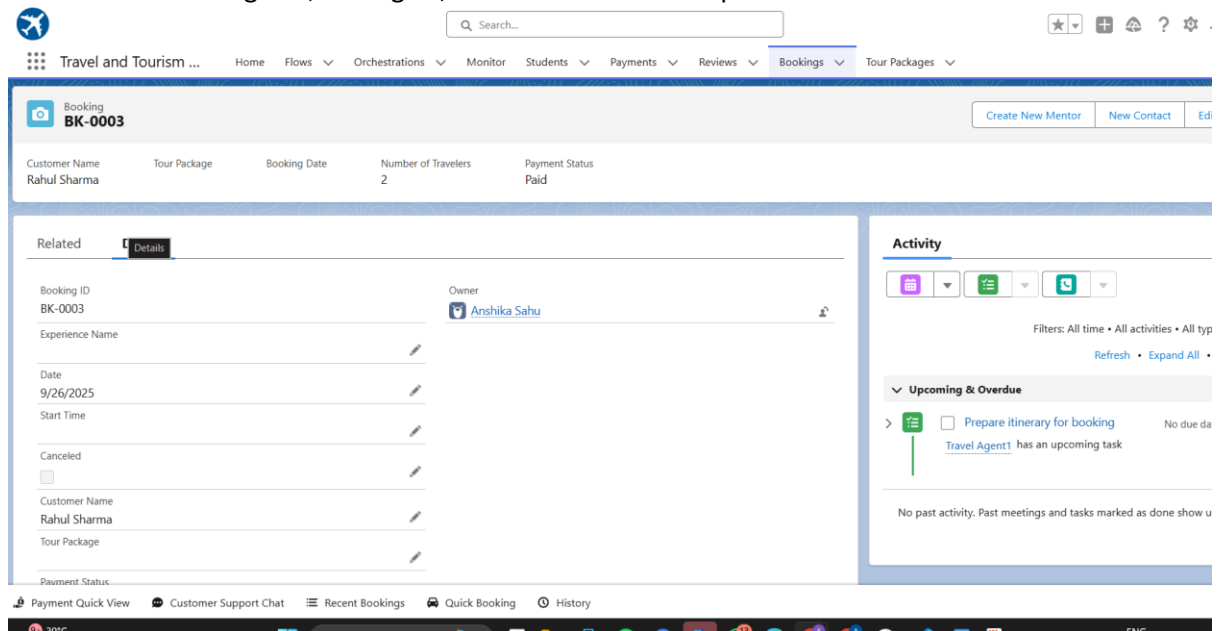
Travel & Tourism Management System

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1. Lightning App Builder

- Created custom Lightning Pages for key objects like Booking and Tour Package.

- Designed flexible page layouts enabling role-specific visibility and component arrangement.

- Used App Builder to drag and drop standard and custom components.

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2. Record Pages

- Customized Record Pages for better data presentation.

- Included related lists, highlights panel, and custom components.

- Tailored for Travel Agents, Managers, and Customer Service profiles.

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3. Tabs

- Configured custom tabs for main objects: Tour Packages, Bookings, Payments, and Reviews.

- Tabs organized for easy navigation based on user roles.

4. Home Page Layouts

- Created role-specific Home Pages featuring dashboards and key reports.

- Embedded key metrics like bookings today, pending payments, upcoming travels.

- Configured widgets for quick actions and notifications.

5. Utility Bar

- Enabled utility bar with tools like Recent Bookings, Quick Note, and Help.

- Added deployment-specific tools for quick access during travel operations.

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6. Lightning Web Components (LWC)

- Developed LWCs for booking entry wizards, payment tracking, and review submissions.

- Created event-driven components facilitating real-time updates.

- Used Apex controllers for server-side logic interaction.

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7. Apex with LWC

- Integrated Apex methods with LWC components using @AuraEnabled.

- Enabled complex business logic and data manipulation in LWCs.

- Optimized API calls for performance.

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8. Events in LWC

- Used custom events to communicate between parent and child components.

- Implemented message channels for cross-component communication.

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9. Wire Adapters

- Used wire adapters to connect LWCs with Salesforce data reactively.

- Enabled automatic data refresh when records are updated.

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10. Imperative Apex Calls

- Employed imperative Apex calls for actions requiring immediate user interaction.

- Used in booking confirmation and payment processing components.

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11. Navigation Service

- Implemented navigation service in LWCs for lightning page navigation.

- Included navigation to related records, web pages, and internal components.