MERN Stack Training
Company: Sensation Software Solutions
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Training Duration: 6 Months
Days: 101

Objective of the Day

The objective of **Day 101** was to **design and implement the Booking History feature** for users in the JourneyJoy Tour & Travel Booking System. The focus was on providing logged-in users with a **dedicated interface** where they can:

- View all their previous bookings
- Check booking details
- Track booking status (Pending / Confirmed)
- Understand the progress of their travel bookings

This feature is a **critical real-world requirement** in any travel or e-commerce platform and adds strong user value to the project.

Understanding the Booking History Requirement

Before starting development, the complete requirement of **Booking History** was analyzed.

Key requirements included:

- Booking history should be visible **only to logged-in users**
- Each user should see **only their own bookings**
- Booking data must be fetched securely from backend
- Booking status should be clearly visible
- UI should be clean, readable, and responsive

This planning ensured correct implementation without security loopholes.

Backend Support for Booking History

1. Booking History API Design

A protected backend API was used to fetch booking history for a user.

Backend responsibilities:

- Verify JWT token
- Extract logged-in user ID
- Fetch bookings related to that user
- Sort bookings by latest first
- Send structured response to frontend

Only authenticated users could access this endpoint.

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2. Booking Status Handling

Each booking record contained a **status field**, such as:

- Cancelled
- Booked

The backend ensured default status assignment during booking creation and consistent status values across responses.

Frontend Booking History UI Implementation

1. Booking History Page Design

A dedicated **Booking History page** was created and linked to the user profile or navigation menu.

UI elements included:

- Page heading – "My Bookings"
- Booking cards or table layout

- Clear separation between bookings
- Responsive design using Tailwind CSS

The layout was designed to handle both **small and large booking lists**.

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2. Booking Card / List Details

Each booking item displayed:

- Tour Name
- Travel Date
- Number of Travelers
- Booking Date
- Booking Status

Loading, Empty State & Error Handling

Special UX cases were handled carefully:

Loading State

- Spinner shown while fetching bookings
- Prevented blank screen confusion

Empty State

- Friendly message shown if no bookings exist
- Encouraged users to explore tours

Error State

- API failure message shown gracefully
- Login redirect if token expired

Backend–Frontend Synchronization

To ensure smooth functionality:

- API response format matched frontend expectations
- Booking IDs and fields were mapped correctly
- Status values were consistent across system

This reduced bugs and simplified future enhancements.

Hands-on Practice & Testing

Manual Testing

Test cases included:

- Logged-in user viewing booking history
- User with multiple bookings
- User with no bookings
- Unauthorized access attempt
- Token expiry behavior

Conclusion

Day 101 successfully implemented the **Booking History user interface and functionality**, allowing users to view and track their bookings along with status information. This feature enhanced user engagement, trust, and usability of the JourneyJoy platform.

The project now supports:

- Secure bookings
- Booking confirmation
- Booking history and status tracking