

Hotel Booking System – Project Plan & Communication

1. Project Management Task

Timeline for Hotel Booking System (1-Week Plan)

Day	Frontend (FE)	Backend (BE)	UI/UX
Day 1	Set up project structure, routing Implement login form UI	Design database schema, API endpoints Implement JWT authentication system	Deliver wireframes in Figma Iterate on hotel booking flow
Day 2	Integrate login system with JWT Set up booking page layout	Set up database & implement user auth Define & build booking logic	Finalize admin panel UI
Day 3	Connect booking UI with backend APIs	Implement booking system logic	Review & hand off final designs
Day 4	Build Admin panel interface API integration for managing bookings	Set up admin routes for managing data Implement dynamic pricing (DSA task)	Assist with edge-case scenarios
Day 5	Refine UI & handle edge cases	Optimize queries, review performance	Polish designs based on feedback
Day 6	Final integration & error handling	Finalize dynamic pricing logic	Conduct usability testing
Day 7	Final review & deployment prep	Ensure security & API rate limits	Address any last-minute tweaks

Technical Task Overview:

1. Login System: Secure authentication using JWT.
2. Booking System: Users can book rooms with availability checks.
3. Admin Panel: Manage bookings with CRUD operations.
4. Dynamic Pricing: Use Segment Tree/Fenwick Tree to adjust rates based on demand.

2. Team Task – PR Rejection Email

Subject: Feedback on Your Recent Pull Request

Hi [Developer's Name],

Thank you for your recent pull request. I appreciate the effort you've put in – great job tackling a complex part of the system! However, after review, I noticed a few areas that need improvement before merging:

1. Code Consistency: Some parts of the codebase don't follow our agreed code style (e.g., inconsistent naming and spacing). Consider aligning with our [style guide](#) for clarity.
2. Edge Case Handling: The booking logic doesn't account for overlapping reservations. It would be great to add checks to ensure room availability during the selected timeframe.
3. Error Handling: Ensure proper error messages are returned if a booking fails (e.g., room already occupied).

Would you mind addressing these points? Let me know if you need any help or want to discuss anything further.

Thanks again for your work—I'm looking forward to your updated PR!

Best,
Ansh