

1. Booking Form

| Field | Constraint |
|------------|-----------------------------------------------------------------|
| First Name | Required, alphabetic only, max 50 characters |
| Last Name | Required, alphabetic only, max 50 characters |
| Email | Required, must follow valid email format (e.g. name@domain.com) |
| Phone | Required, numeric, 10–15 digits |
| Subject | Optional, alphanumeric |
| Message | Optional, up to 250 characters |

2. Booking Room

- Form fields are required: name, email, phone, date range, room type.
- Success message displayed upon booking.
- Booking appears in the booking list (if admin).
- Invalid data returns clear error messages.

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| Email | Required, must follow valid email format (e.g. name@domain.com) |
| Phone | Required, numeric, 10–15 digits |

3. Admin Login

- Login with valid admin credentials.
- Redirected to admin dashboard after login.
- Invalid credentials return an error.
- Admin can see list of all bookings.

| Field | Constraint |
|----------|---------------------------------|
| username | Required, usually "admin" |
| password | Required, usually "password123" |

4. Check Availability through the API

5. Cancel a Booking through the API

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| Field | Constraint |
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| firstname | Required, alphabetic |
| lastname | Required, alphabetic |
| totalprice | Required, numeric only |
| depositpaid | Required, Boolean (true or false) |
| bookingdates → checkin | Required, date format yyyy-mm-dd, must not be past date |
| bookingdates → checkout | Required, date format, must be later than check-in |
| additionalneeds | Optional, string (e.g. "Breakfast") |

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Auth API

| Field | Constraint |
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| username | Required, usually "admin" |
| password | Required, usually "password123" |

3. Cancel a Booking

- Booking ID and valid auth token required for cancellation.
- API returns 201 or 204 on success.
- Booking is removed from admin dashboard.
- Error shown if booking ID is invalid or already deleted.

4. Check Room Availability :

- API accepts a valid date range and returns available rooms.
- JSON response includes room type, availability status, and price.
- Error shown for missing or invalid date parameters.
- Response is returned in less than 2 seconds.