# Documenting a REST API

Vores Travel API gør det nemt at håndtere brugere, bookinger, destinationer og anmeldelser. Man kan hurtigt oprette, opdatere, hente og slette rejseoplysninger. API'en hjælper med at gøre rejseoplevelsen bedre for både brugere og udbydere.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **URL** | **Request Body (JSON)** | **Response (JSON)** | **Error (e)** |
| **GET** | /travel/users |  | [user, user, ...](1) | (e2) |
| **GET** | /travel/users/{id} |  | user (1) | (e1) |
| **POST** | /travel/users | user(1) without id | user (1) | (e2) |
| **UPDATE** | /travel/users/{id} | user(1) without id | user (1) | (e1) |
| GET | |  | | --- | | /travel/bookings |  |  | | --- | |  | |  |  | (e1) |
| GET | |  | | --- | | /travel/bookings/{id} |  |  | | --- | |  | | |  | | --- | |  | | |  | | --- | | booking (2) |  |  | | --- | |  | | (e1) |
| POST | |  | | --- | | /travel/bookings |  |  | | --- | |  | | booking (2) without id | |  | | --- | | booking (2) |  |  | | --- | |  | | |  | | --- | | (e2) |  |  | | --- | |  | |
| UPDATE | |  | | --- | | /travel/bookings/{id} |  |  | | --- | |  | | booking (2) without id | booking (2) | (e1) |
| DELETE | |  | | --- | | /travel/bookings/{id} |  |  | | --- | |  | |  | { "msg": "Booking deleted" } | (e1) |
| GET | |  | | --- | | /travel/destinations |  |  | | --- | |  | |  |  | (e1) |
| GET | |  | | --- | | /travel/destinations/{id} |  |  | | --- | |  | |  | |  | | --- | | destination (3) |  |  | | --- | |  | | (e1) |
| GET | |  | | --- | | /travel/reviews |  |  | | --- | |  | |  |  | (e1) |
| GET | |  | | --- | | /travel/reviews/{id} |  |  | | --- | |  | |  | |  | | --- | | review (4) |  |  | | --- | |  | | (e1) |
| POST | |  | | --- | | /travel/reviews |  |  | | --- | |  | | review (4) without id | |  | | --- | | review (4) |  |  | | --- | |  | | (e2) |
| DELETE | |  | | --- | | /travel/reviews/{id} |  |  | | --- | |  | |  | { "msg": "Review deleted" } | (e1) |

#### Request Body and Response Formats

(1) User format (don’t provide ID, for POST)

{

"id": Number,  
 "age": Number,  
 "name": String,  
 "gender": EnumType.string [“male” | “Female”],  
 "email": String (email)  
 }

**(2) Booking format (for POST, omit ID):**

{

"id": Number,

"userId": Number,

"destinationId": Number,

"departureDate": String (local date time format),

"arrivalDate": String (local date time format),

"bookingDate": String (local date format),

"status": EnumType.string ["confirmed", "cancelled", "pending"]

}

**(3) Destination format (for POST, omit ID):**

{

"id": Number,

"city": String,

"country": String,

}

**(4) Review format (for POST, omit ID):**

{

"id": Number,

"userId": Number,

"destinationId": Number,

"rating": Number [1-5],

"comment": String

}

#### Errors

* (e) All errors are reported using this format (with the HTTP-status code matching the number)

{ status : statusCode, "msg": "Explains the problem" }

* (e1) : { status : 404, "msg": "No content found for this request" }
* (e2) : { status : 400, "msg": "Field ‘xxx’ is required" } (for example, no name provided)