**The Online Event Booking Platform**

# Resources:

## User Service

|  |  |  |
| --- | --- | --- |
| URI | HTTP Verb | Description |
| /auth/authenticate | GET | Authenticate user based on token |
| /auth/login | POST | Check credentials based on email and phone |
| /auth/register | POST | Create a user |
| /users | GET | Retrieve all users |
| /users/{id} | GET | Retrieve an user |
| /account | GET | Get account details |
|  | PUT | Update account details |

## Event Service

|  |  |  |
| --- | --- | --- |
| URI | HTTP Verb | Description |
| /events | GET | Retrieve all events (filter by organizer and/or category with query parameters) |
|  | POST | Create an Event |
| /events/{id} | GET | Retrieve an event |
|  | PUT | Update an event |
| /events/{id}/cancel | PUT | Cancel an event |

## Booking Service

|  |  |  |
| --- | --- | --- |
| URI | HTTP Verb | Description |
| /account/bookings | GET | Get all bookings for a user |
|  | POST | Create a booking |
| /events/{eventID}/bookings | GET | Get all bookings for an event |
| /bookings/{id} | GET | Retrieve a booking |
| /bookings/{id}/cancel | PUT | Cancel a booking |

## Payment Service

|  |  |  |
| --- | --- | --- |
| URI | HTTP Verb | Description |
| /account/payments | GET | Retrieve all payments for a user |
| /account/balance | POST | Increase user balance |
| /account/balance | GET | Retrieve user’s balance |

## Review Service

|  |  |  |
| --- | --- | --- |
| URI | HTTP Verb | Description |
| /account/reviews | GET | Retrieve all reviews (filter by event with query params) |
|  | POST | Create a review |
| /reviews/{id} | DELETE | Delete a review |
| /events/{eventID}/reviews | GET | Retrieve reviews for the event |
|  | POST | Create a review for the event |

## Notification Service

|  |  |  |
| --- | --- | --- |
| URI | HTTP Verb | Description |
| /account/notifications | GET | Retrieve notifications for the user |

# Events

|  |  |  |  |
| --- | --- | --- | --- |
| Topic name | Producer | Consumer(s) | Object exchanged |
| BookingCreated | BookingService | NotificationService, PaymentService | BookingDTO |
| BookingCancelled | BookingService | PaymentService,  NotificationService | BookingDTO |
| PaymentCreated | PaymentService | BookingService, NotificationService | PaymentDTO |
| EventUpdated | EventService | NotificationService | EventDTO |
| EventCancelled | EventService | BookingService, NotificationService | EventDTO |
| ReviewCreated | ReviewService | NotificationService | ReviewDTO |

Frontend Components/Views:

|  |  |  |
| --- | --- | --- |
| **View/Component** | **Description** | **HTTP req + Resources (URI)** |
| **HomeView.vue** | Displays the main landing page or general information. | Static content, no specific API endpoint identified from provided files. |
| **EventListView.vue** | Fetches and presents a list of all available events. Also events can be filtered by category and show only authenticated user’s events if the user is an organizer. | GET:<http://localhost:8080/api/events> |
| **EventDetailView.vue** | Fetches and presents details for a specific event, identified by its ID. Authenticated users can book for the event (except the organizer). Also, organizer can manage the event details from here. After the event, booked user’s can put reviews and all users can see the reviews. | GET:<http://localhost:8080/api/events/:id>  POST: [http://localhost:8080/api](http://localhost:8080/api/events/:id)/[events/:id](http://localhost:8080/api/events/:id)/bookings  PUT: [http://localhost:8080/api](http://localhost:8080/api/events/:id)/[events/:id](http://localhost:8080/api/events/:id)/cancel  GET: [http://localhost:8080/api](http://localhost:8080/api/events/:id)/[events/:id](http://localhost:8080/api/events/:id)/bookings  GET: [http://localhost:8080/api](http://localhost:8080/api/events/:id)/[events/:id](http://localhost:8080/api/events/:id)/reviews  POST: [http://localhost:8080/api](http://localhost:8080/api/events/:id)/[events/:id](http://localhost:8080/api/events/:id)/reviews |
| **RegisterView.vue** | Handles new user registration. | POST:<http://localhost:8080/api/auth/register> |
| **LoginView.vue** | Handles user login and subsequent token authentication. | POST:<http://localhost:8080/api/auth/login>  GET:<http://localhost:8080/api/auth/authenticate> |
| **EventFormView.vue** | Allows for creating a new event or modifying an existing one. | POST:<http://localhost:8080/api/events>  PUT:<http://localhost:8080/api/events/:id>  GET:<http://localhost:8080/api/events/:id> |
| **ProfileView.vue** | Allows for user to view and update their profile data. Also, user can increase their balance from here | PUT:<http://localhost:8080/api/account>  GET:<http://localhost:8080/api/account>  POST: <http://localhost:8080/api/account/balance> |
| **BookingListView.vue** | Fetches and presents a list of all bookings for the user. | GET: <http://localhost:8080/api/account/bookings>  PUT:[http://localhost:8080/api/account/](http://localhost:8080/api/account/bookings)bookings/{id}/cancel |
| **PaymentListView.vue** | Fetches and presents a list of all payments for the user. | GET: <http://localhost:8080/api/account/payments> |
| **MyReviewsView.vue** | Fetches and presents a list of user’s reviews and users can delete their own reviews. | GET: <http://localhost:8080/api/account>/reviews  DELETE: [http://localhost:8080/api/](http://localhost:8080/api/account)reviews/:id |
| **NotificationListView.vue** | Fetches and presents a list of user’s notifications. | GET: <http://localhost:8080/api/account>/notifications |