

Copilot

Certainly! Here's a list of potential endpoints for your sports center booking application, along with their descriptions. These endpoints can be used to test the API in Postman and to integrate with your React Native frontend:

1. List All Facilities

- **Endpoint:** /api/facilities/
- **Method:** GET
- **Description:** Retrieves a list of all sports facilities available for booking.

2. Retrieve Facility Details

- **Endpoint:** /api/facilities/<facility_id>/
- **Method:** GET
- **Description:** Retrieves detailed information about a specific facility.

3. List Available Slots for a Facility

- **Endpoint:** /api/facilities/<facility_id>/slots/
- **Method:** GET
- **Description:** Retrieves a list of available booking slots for a specific facility.

4. Create a Booking

- **Endpoint:** /api/bookings/create/
- **Method:** POST
- **Description:** Creates a new booking for a user. Requires facility ID, slot ID, and user authentication.

5. List User Bookings

- **Endpoint:** /api/bookings/user/<user_id>/
- **Method:** GET
- **Description:** Retrieves a list of all bookings made by a specific user.

6. Retrieve Booking Details

- **Endpoint:** /api/bookings/<booking_id>/
- **Method:** GET
- **Description:** Retrieves detailed information about a specific booking.

7. Update a Booking

- **Endpoint:** /api/bookings/<booking_id>/update/
- **Method:** PUT
- **Description:** Updates the details of an existing booking. Can be used to change the slot or facility.

8. Cancel a Booking

- **Endpoint:** /api/bookings/<booking_id>/cancel/
- **Method:** DELETE
- **Description:** Cancels an existing booking and frees up the slot.

9. User Authentication

- **Endpoint:** /api/auth/login/
- **Method:** POST
- **Description:** Authenticates a user and returns a token for session management.

10. User Registration

- **Endpoint:** /api/auth/register/
- **Method:** POST
- **Description:** Registers a new user in the system.

11. User Logout

- **Endpoint:** /api/auth/logout/
- **Method:** POST
- **Description:** Logs out a user and invalidates the session token.

To test these endpoints in Postman, you'll need to set up the appropriate HTTP method, include any required parameters or body data, and set the authorization headers if needed. For integration with React Native, you'll use the `fetch` or `axios` libraries to make HTTP requests to these endpoints, handle responses, and update your application state accordingly.

Remember to secure your endpoints with proper authentication and permissions checks to prevent unauthorized access. Also, ensure that your API is well-documented so that it's clear how to use each endpoint and what data is expected.

Good luck with your sports center booking application!