**1. Project Setup:**

**Backend (Spring Boot):**

* Create a new Spring Boot project using Spring Initializr or your preferred IDE.
* Set up the necessary dependencies, including Spring Web, Spring Data JPA, Spring Security, and Redis.
* Configure your database connection, Redis connection, and other necessary configurations.

**Frontend (React):**

* Set up a new React project using Create React App or any other preferred setup method.
* Set up your project structure, components, and routing as needed.

**2. Backend Development:**

**Database Setup:**

* Define the data model for hotels, user accounts, bookings, and other relevant entities.
* Use Spring Data JPA to create repositories and manage database interactions.

**API Development:**

* Create RESTful API endpoints for hotel search, booking creation, user registration, login, and more.
* Implement JWT authentication for securing API endpoints.
* Set up error handling and validation for incoming data.

**Redis Integration:**

* Configure Redis caching for frequently accessed data such as hotel details, availability, and user sessions.
* Use Spring Data Redis to interact with the Redis cache.

**3. Frontend Development:**

**User Interface:**

* Design and implement the user interface for searching and booking hotels.
* Create components for displaying hotel listings, hotel details, and booking forms.

**User Authentication:**

* Implement JWT-based authentication for user registration and login.
* Store JWT tokens securely using browser storage (localStorage or sessionStorage).

**API Integration:**

* Use JavaScript libraries like Axios or the built-in fetch API to make API requests to your Spring Boot backend.
* Handle API responses and manage asynchronous operations.

**4. Testing and Debugging:**

**Backend Testing:**

* Write unit tests for your backend components using testing frameworks like JUnit and Mockito.
* Perform integration tests to ensure proper functioning of the API endpoints.

**Frontend Testing:**

* Write unit tests for React components using testing libraries like Jest and React Testing Library.
* Test user interactions, state management, and API integration.

**5. Deployment:**

**Backend Deployment:**

* Deploy your Spring Boot application to a server or cloud platform such as AWS, Heroku, or Azure.
* Set up necessary configurations for database and Redis connections in the production environment.

**Frontend Deployment:**

* Build your React application for production using the appropriate build command.
* Deploy the built static files to a content delivery network (CDN) or hosting service like Netlify or Vercel.

**6. Security and Performance Optimization:**

**Security:**

* Ensure secure data transmission over HTTPS.
* Implement proper input validation and sanitation to prevent security vulnerabilities.
* Regularly update dependencies to patch security vulnerabilities.

**Performance Optimization:**

* Optimize database queries for efficient retrieval of hotel data.
* Use Redis caching to reduce load on the database and improve response times.
* Minimize frontend assets and enable gzip compression for faster loading.

Remember that building a full-fledged hotel booking platform involves many intricate details and considerations beyond the scope of a simple response. You'll need to dive deeper into each step, conduct thorough testing, and potentially consult additional resources or seek professional assistance for certain aspects of the project.

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