1. **System Module**

The Talent Hunt web-based application is divided into several modules, each addressing specific functionalities to create a seamless experience for Users, Artists, and Admins. These modules collaborate to facilitate artist booking, talent showcasing, and efficient communication within the platform.

**1. User Management Module:**

- User Registration: Allows Users to create accounts using email or social media.

- User Login: Provides secure access to registered Users.

- Forgot Password Recovery: Facilitates password reset through email verification.

**2. Artist Management Module:**

- Artist Profile Creation: Enables Artists to create and manage comprehensive profiles.

- Availability Management: Allows Artists to set their availability for bookings.

- Online Talent Hosting: Offers a platform for Artists to showcase their talents online.

**3. Artist Search and Booking Module:**

- Artist Search: Enables Users to search for artists based on criteria such as genre, location, and availability.

- Artist Profile Viewing: Allows Users to view detailed artist profiles and work samples.

- Booking Initiation: Allows Users to initiate booking requests and negotiate terms.

**4. Booking Management Module:**

- Negotiation and Communication: Provides a platform for Users and Artists to communicate and negotiate terms.

- Secure Payments: Enables Users to make online payments for bookings.

- Booking History: Allows Users to track their booking history and upcoming events.

**5. Rating and Review Module:**

- Rating System: Enables Users to rate artists and provide feedback after completing bookings.

- Review Display: Displays artist ratings and reviews to assist Users in decision-making.

**6. Admin Management Module:**

- Artist Verification: Allows Admins to verify artist profiles for authenticity.

- Dispute Resolution: Provides Admins the tools to mediate and resolve disputes.

- Notifications: Enables Admins to send notifications and alerts to Users and Artists.

**7. Notifications and Communication Module:**

- Real-time Notifications: Notifies Users, Artists, and Admins about booking requests, confirmations, and updates.

- Communication Channels: Facilitates communication between Users, Artists, and Admins.

**8. Technology Integration Module:**

- Backend Development: Implements the backend using Spring Boot, facilitating data processing and business logic.

- Frontend Development: Develops the frontend using React, ensuring an intuitive and interactive user interface.

- Database Management: Utilizes MySQL for efficient storage and retrieval of user, artist, and booking data.

**9. Security and Privacy Module:**

- User Data Protection: Implements security measures to safeguard user data and prevent unauthorized access.

- Secure Payments: Ensures that online payment processing is secure and compliant with industry standards.

**10. Online Talent Showcasing Module**:

- Virtual Performance Space: Provides an interface for Artists to host their talents online.

- User Interaction: Enables Users to engage with online performances, providing comments and feedback.

**11. Reports and Analytics Module:**

- Data Insights: Provides analytics and reports on booking trends, artist popularity, and user engagement.

- Admin Dashboard: Offers a centralized view for Admins to monitor platform activities.

These modules collaborate harmoniously to create a feature-rich, user-friendly, and innovative web application that revolutionizes the way Users and Artists interact within the entertainment and hospitality industries.