BOOKSY ANALYSIS

User

The User entity stores information about the person using the platform to book services. Each user has personal data such as name, email, phone number, and password. Users can make bookings and write reviews.

- Relationships:

  - - One-to-Many with Booking: Each user can create multiple bookings.
  - - One-to-Many with Review: Each user can write multiple reviews.

Service Provider

The Service Provider offers one or more services to the users. Each provider has business-related details like name, contact info, and address. Providers manage availability and receive bookings.

- Relationships:

  - - One-to-Many with Service: A provider offers many services.
  - - One-to-Many with Booking: Providers are booked by users.
  - - One-to-Many with Provider Availability: Each provider can define working schedules.

Service

This entity describes the services offered (e.g., haircut, massage). It contains a name, price, duration, and is linked to a provider and category.

- Relationships:

  - - Many-to-One with Service Provider: Each service belongs to one provider.
  - - Many-to-One with Service Category: Helps classify services.
  - - One-to-Many with Booking: Users can book specific services.

Booking

The Booking entity connects users, providers, services, and time slots into a single reservation. It tracks the date, status, and chosen time slot for each service.

- Relationships:

    - - Many-to-One with User, Provider, and Service.
    - - Many-to-One with Time Slot: Booking is tied to a specific slot.
    - - One-to-One with Payment: One booking has one payment.
    - - One-to-One with Review: One review per booking.

Time Slot

Time Slot manages the available booking windows by defining start time, end time, date, and availability status. Essential to prevent booking conflicts.

- Relationships:

    - - One-to-Many with Booking: Time slots are used in booking reservations.

Review

Review captures user feedback for completed bookings. Includes a rating, comment, and the date of review.

- Relationships:

    - - One-to-One with Booking: Each booking gets one review.
    - - Many-to-One with User: Users may write many reviews.

Payment

This entity logs the financial details of each booking including payment type, status, and date.

- Relationships:

    - - One-to-One with Booking: Each booking is linked to one payment.

Service Category

Service Category classifies services into groups such as Hair, Beauty, or Wellness for better user navigation.

- Relationships:

    - - One-to-Many with Service: A category can include multiple services.

Provider Availability

Defines the time slots each service provider is available, including start time, end time, and days of the week.

- Relationships:

  - - Many-to-One with Provider: Provider defines when they are available.