# HBC Object Model - Database Entity Specification

## Authentication & Identity

### Users

user\_id PK, email, phone, password\_hash, role\_id FK, language\_preference, is\_verified, created\_at, last\_login

### Roles

role\_id PK, name, permissions JSON

### UserBusinessRole

user\_id FK, business\_id FK, role\_type, assigned\_by FK, created\_at

## Business Registry

### Businesses

business\_id PK, owner\_id FK, name, category\_id FK, plan\_id FK, address, location\_coords, is\_approved, credits\_balance

### BusinessLocalized

localized\_id PK, business\_id FK, language\_code, translated\_name, translated\_description

### BusinessCategory

category\_id PK, name, icon

### BusinessHours

hours\_id PK, business\_id FK, day\_of\_week, open\_time, close\_time, is\_closed

### BusinessMedia

media\_id PK, business\_id FK, type, url, caption, is\_primary

## Lead Management

### Leads

lead\_id PK, business\_id FK, user\_id FK, message, status, created\_at

### LeadPricing

pricing\_id PK, category\_id FK, region, price\_per\_lead, valid\_from

### CreditTransactions

transaction\_id PK, business\_id FK, amount, type, payment\_id FK, balance\_snapshot, timestamp

## Plans & Payments

### PricingPlans

plan\_id PK, name, price, lead\_credits, features JSON, is\_active

### Subscriptions

subscription\_id PK, business\_id FK, plan\_id FK, start\_date, end\_date, auto\_renew, status

### Payments

payment\_id PK, user\_id FK, amount, method, gateway, status, invoice\_url, timestamp

### AddOnPurchases

purchase\_id PK, business\_id FK, addon\_type, quantity, campaign\_id FK, created\_at

## Engagement Modules

### Events

event\_id PK, business\_id FK, title, description, start\_time, end\_time, is\_recurring

### Offers

offer\_id PK, business\_id FK, title, description, discount\_code, valid\_until, is\_festival\_offer

### FestivalCampaigns

campaign\_id PK, name, start\_date, end\_date, featured\_businesses JSON

## Appointment Booking

### Appointments

appointment\_id PK, business\_id FK, user\_id FK, slot\_id FK, status, notes

### AppointmentSlots

slot\_id PK, business\_id FK, start\_time, end\_time, max\_capacity, is\_booked

## eCommerce

### Products

product\_id PK, business\_id FK, name, description, price, stock, category

### Orders

order\_id PK, user\_id FK, business\_id FK, total\_amount, status, created\_at

### OrderItems

order\_item\_id PK, order\_id FK, product\_id FK, quantity, unit\_price

## Special Features

### HinduCalendar

date\_id PK, date, is\_muhurta, significance, recommended\_activities

### DonationCauses

cause\_id PK, business\_id FK, title, description, target\_amount, verification\_status

### Referrals

referral\_id PK, referrer\_id FK, referee\_id FK, reward\_status, credits\_awarded

## System & Communication

### Notifications

notification\_id PK, user\_id FK, title, message, type, is\_read, created\_at

### AuditLogs

log\_id PK, user\_id FK, action, entity\_type, entity\_id, old\_values, new\_values, timestamp

### Languages

language\_id PK, code, name, is\_active