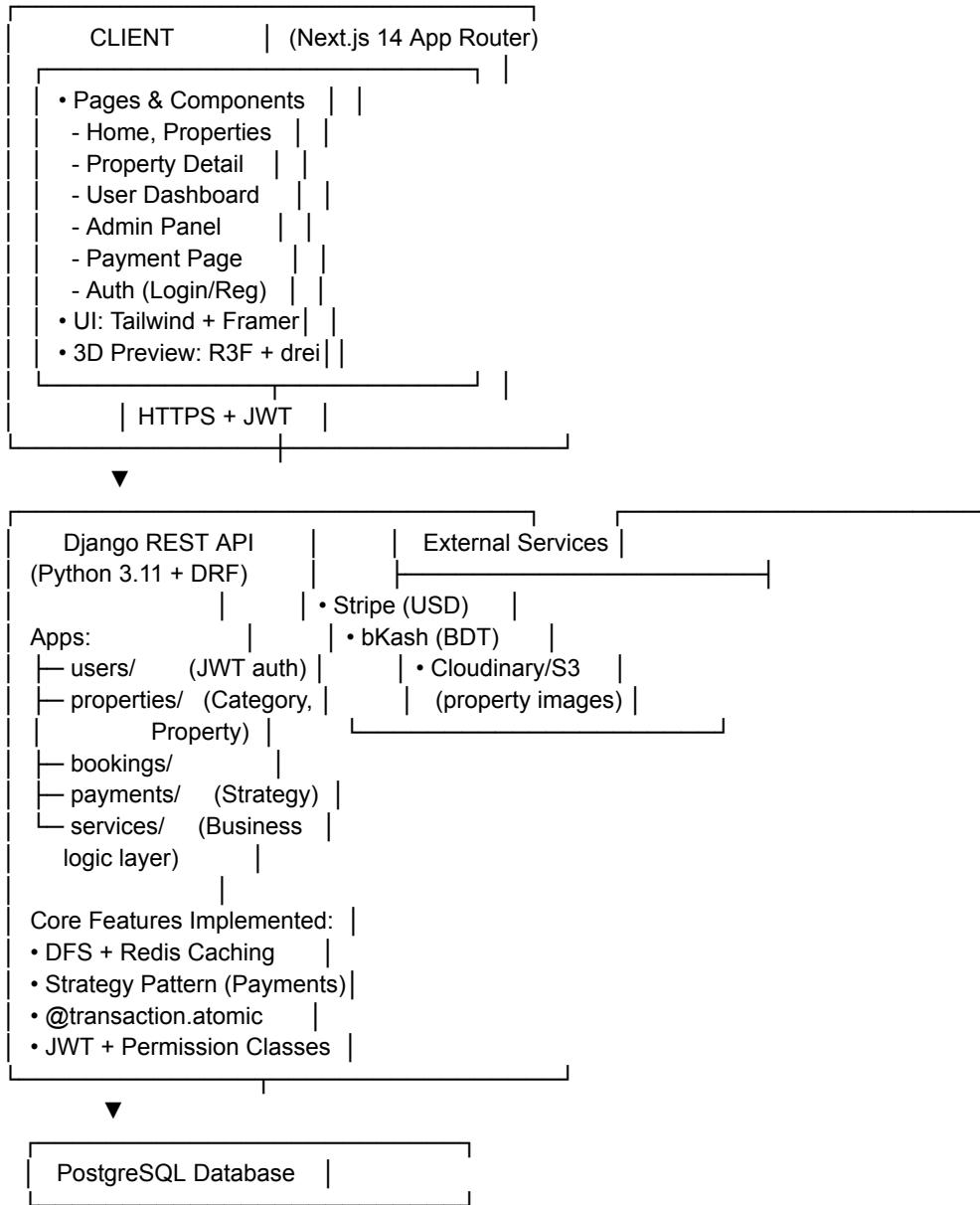
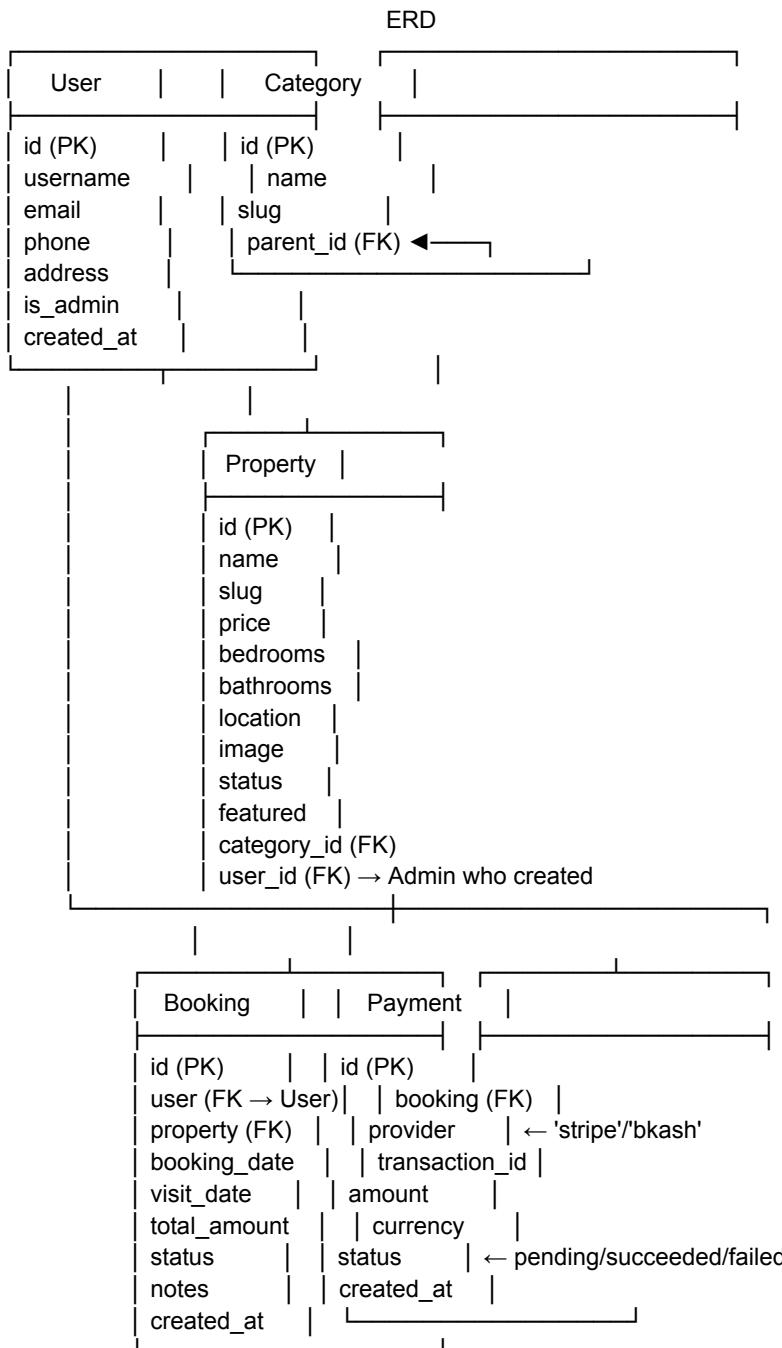


System Architecture



Deployment Flow

- Frontend → Vercel / Netlify
- Backend → Railway / Render / Heroku
- Media → Cloudinary or AWS S3
- Domain → yoursite.com (frontend) + api.yoursite.com (backend)



API Documentation – Swagger / Postman Ready (Main Endpoints)

Method	Endpoint	Auth	Description
POST	/api/users/	Public	Register
POST	/api/users/login/	Public	Login → JWT
GET	/api/users/me/	JWT	Profile
GET	/api/properties/	Public	List + filter
GET	/api/properties/{slug}/	Public	Property detail
GET	/api/properties/{slug}/recommendations/	Public	DFS-based recommendations
POST	/api/properties/	Admin	Create property
PATCH/DELETE	/api/properties/{slug}/	Admin	Update/Delete
GET	/api/bookings/	JWT	My bookings
POST	/api/bookings/	JWT	Create booking
PATCH	/api/bookings/{id}/	JWT/Admin	Cancel / Admin update status
POST	/api/payments/initiate/	JWT	Start payment (stripe/bkash)
POST	/api/payments/webhook/stripe/	Public	Stripe webhook
POST	/api/payments/webhook/bkash/	Public	bKash webhook

Stripe Payment Flow

Payment Flow Diagrams (Both Stripe & bKash)

```
User → Frontend → /api/payments/initiate/ (provider=stripe)
    ↓
Create PaymentIntent (Stripe)
    ↓
Return client_secret
    ↓
Frontend → Stripe Elements → confirmCardPayment()
    ↓
Success/Fail
    ↓
Webhook → Django → Update Payment & Booking status = paid
```

bKash Payment Flow

```
User → Frontend → /api/payments/initiate/ (provider=bkash)
    ↓
createPayment API → bKash returns paymentID + redirect URL
    ↓
Frontend redirect to bKash payment page
    ↓
User pays on bKash
    ↓
bKash redirects back → executePayment
    ↓
Webhook or polling → Update Payment & Booking status = paid
```