ده **Flow Diagram رسمي – V1** مطابق للـ Business Rules اللي ثبتناها.
مكتوب بشكل منظم يقدر يتحول مباشرة لـ BPMN / Mermaid / Lucid / Draw.io) Diagram).

1️⃣ High-Level System Flow 🧭

Tenant Browses Property
↓
Select Dates
↓
(Check Availability (Derived
↓
? Available
No → Show Unavailable ──┐
Yes ──┘
↓
(Pay 50 EGP (Verification Hold
↓
Create Booking → status = requested
↓
Notify Landlord

2️⃣ Booking Lifecycle – Main Flow 🏠

requested
(Landlord Approves) ↓
approved
↓
? Payment Method
Cash on Delivery ──┐
↓ │
confirmed │
│
Electronic Payment ──┘
↓
payment_pending
(Tenant uploads receipt) ↓
payment_uploaded
(Landlord/Admin verifies) ↓
confirmed
(Check-in date) ↓
active

(End date auto) ↓
completed

Rejection Flow 3️⃣❌

requested
(Landlord Rejects) ↓
rejected
↓
Return 50 EGP as Account Credit
↓
Property remains available

(Expiry Flow (No Payment 4️⃣⏳

approved
(Electronic Payment Required) ↓
payment_pending
(No payment within deadline) ↓
expired
↓
Property becomes available
↓
EGP not refundable 50

Cancellation Flow (Before Check-in 5️⃣🔁 (Only

Tenant Cancels

requested
↓
cancelled
↓
Return 50 EGP as credit

approved / confirmed
(Before check-in) ↓
cancelled
↓
Apply cancellation policy

After Check-in

active
↓
NO CANCELLATION ALLOWED
(Legal responsibility outside platform)

Commission Collection Flow 6️⃣ 💰

confirmed
(Landlord confirms check-in) ↓
active
↓
Trigger Commission Event
↓
:Collect
(from Tenant (first month only 10% -
(from Landlord (first month only 10% -
↓
Record revenue

Landlord No-Show Scenario 7️⃣ 🚫

confirmed
(Tenant reports no delivery) ↓
(cancelled (reason: landlord_no_show
↓
Refund Tenant
↓
Deduct penalty from Landlord
↓
Decrease Landlord rating

Availability Calculation Flow 8️⃣ 📅

:When tenant selects dates

Check Bookings Table
(WHERE status IN (confirmed, active
AND date overlaps
↓
Check property_unavailability
↓
If none found → Available
Else → Not Available

Property Status Flow 9️⃣ 🔒
((Administrative Only

draft
↓
approved
↓
(blocked (admin only
↓
archived

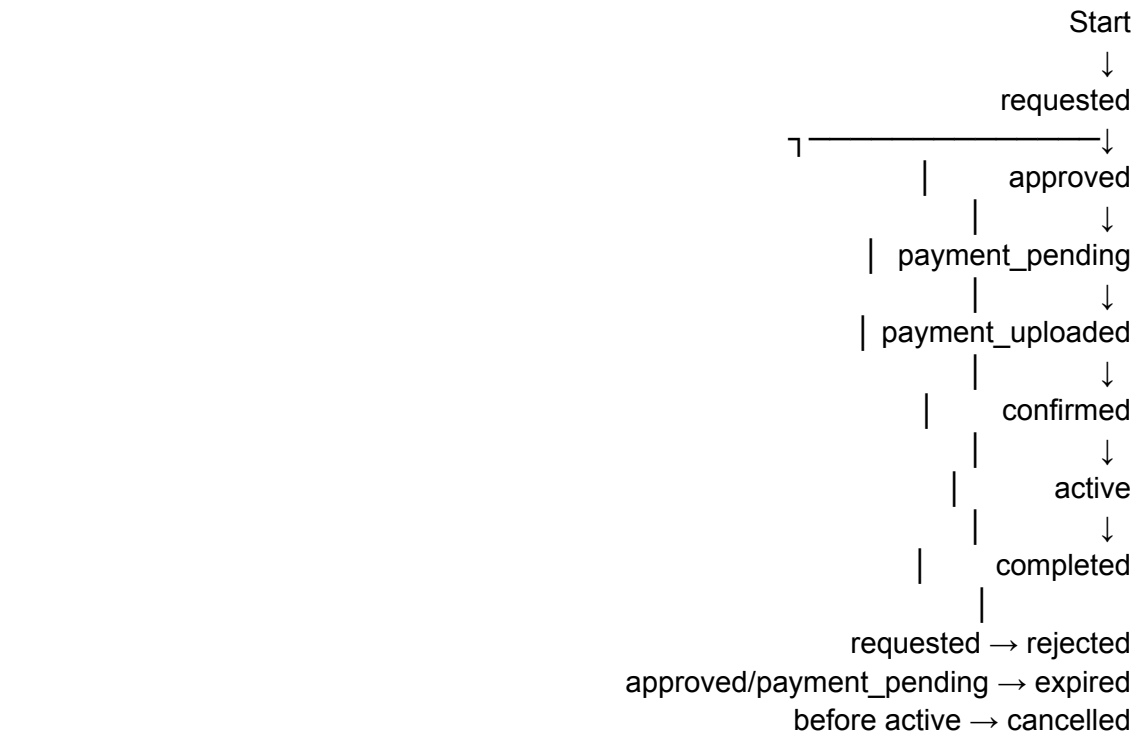
.Property never enters booked/rented states ⚠️

Decision Logic Summary Table 🔟 🧠

To	From	Actor	Event
requested	—	Tenant	Create Booking
approved	requested	Landlord	Approve
rejected	requested	Landlord	Reject

Upload Receipt	Tenant	payment_pending	payment_uploaded
Verify Payment	Landlord/Admin	payment_uploaded	confirmed
Check-in	Landlord	confirmed	active
Auto End	System	active	completed
No Payment	System	payment_pending	expired
Cancel	Tenant	before active	cancelled

🎯 Full Visual Flow (Compact Version)



🔥 النتيجة

الآن عندك:

✅ Booking Flow واضح
✅ Cancellation واضح
✅ Commission Event واضح

✅ Availability غير مخزنة
✅ لا يوجد تضارب حالات
✅ كل Actor له صلاحيات محددة