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PS D:\Company-assignments\Medoc_Backend_Assignment> node .\simulation.js
[dotenv@17.2.3] injecting env (3) from .env -- tip: ⚙ write to custom object with { processEnv: myObject }

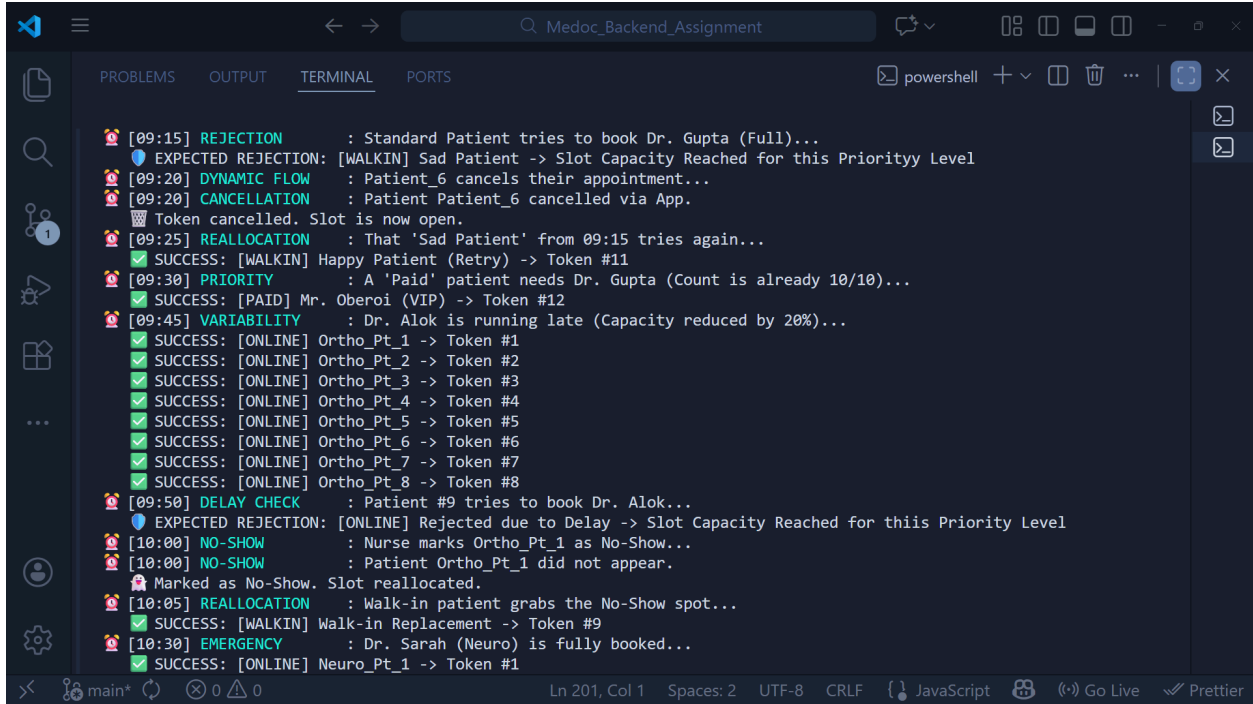
🔧 SEEDING DATABASE (Resetting Day)...
✅ Doctors Ready: Dr. Gupta (Gen), Dr. Alok (Delayed), Dr. Sarah (Neuro)

--- 🏥 OPD DAY BEGINS 🏥 ---

🕒 [08:55] CONCURRENCY : Server receives 5 simultaneous hits for Dr. Gupta...
❌ UNEXPECTED FAIL: Simran (Web) -> System busy. Please retry in a moment.
❌ UNEXPECTED FAIL: Amit (Walk-in) -> System busy. Please retry in a moment.
❌ UNEXPECTED FAIL: Priya (App) -> System busy. Please retry in a moment.
❌ UNEXPECTED FAIL: Kunal (Web) -> System busy. Please retry in a moment.
✅ SUCCESS: [ONLINE] Rahul (App) -> Token #1
📊 Current Count after concurrency: 1/10
🔄 Backfilling failed concurrent requests to reach count 5...
✅ SUCCESS: [ONLINE] Backfill_Pt_2 -> Token #2
✅ SUCCESS: [ONLINE] Backfill_Pt_3 -> Token #3
✅ SUCCESS: [ONLINE] Backfill_Pt_4 -> Token #4
✅ SUCCESS: [ONLINE] Backfill_Pt_5 -> Token #5
🕒 [09:10] HARD LIMITS : Filling Dr. Gupta to Capacity (10/10)...
✅ SUCCESS: [WALKIN] Patient_6 -> Token #6
✅ SUCCESS: [WALKIN] Patient_7 -> Token #7
✅ SUCCESS: [WALKIN] Patient_8 -> Token #8
✅ SUCCESS: [WALKIN] Patient_9 -> Token #9
✅ SUCCESS: [WALKIN] Patient_10 -> Token #10
🕒 [09:15] REJECTION : Standard Patient tries to book Dr. Gupta (Full)...
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✅ SUCCESS: [ONLINE] Ortho_Pt_8 -> Token #8
🕒 [09:50] DELAY CHECK : Patient #9 tries to book Dr. Alok...
🔵 EXPECTED REJECTION: [ONLINE] Rejected due to Delay -> Slot Capacity Reached for this Priority Level
🕒 [10:00] NO-SHOW : Nurse marks Ortho_Pt_1 as No-Show...
🕒 [10:00] NO-SHOW : Patient Ortho_Pt_1 did not appear.
🏥 Marked as No-Show. Slot reallocated.
🕒 [10:05] REALLOCATION : Walk-in patient grabs the No-Show spot...
✅ SUCCESS: [WALKIN] Walk-in Replacement -> Token #9
🕒 [10:30] EMERGENCY : Dr. Sarah (Neuro) is fully booked...
✅ SUCCESS: [ONLINE] Neuro_Pt_1 -> Token #1
✅ SUCCESS: [ONLINE] Neuro_Pt_2 -> Token #2
✅ SUCCESS: [ONLINE] Neuro_Pt_3 -> Token #3
✅ SUCCESS: [ONLINE] Neuro_Pt_4 -> Token #4
✅ SUCCESS: [ONLINE] Neuro_Pt_5 -> Token #5
✅ SUCCESS: [ONLINE] Neuro_Pt_6 -> Token #6
✅ SUCCESS: [ONLINE] Neuro_Pt_7 -> Token #7
✅ SUCCESS: [ONLINE] Neuro_Pt_8 -> Token #8
✅ SUCCESS: [ONLINE] Neuro_Pt_9 -> Token #9
✅ SUCCESS: [ONLINE] Neuro_Pt_10 -> Token #10
✅ SUCCESS: [PAID] Neuro_Pt_11 -> Token #11
✅ SUCCESS: [PAID] Neuro_Pt_12 -> Token #12
🕒 [10:45] CRITICAL : 🚑 MAJOR ACCIDENT: 3 Emergency cases arrive!
✅ SUCCESS: [EMERGENCY] Trauma Case A -> Token #13
✅ SUCCESS: [EMERGENCY] Trauma Case B -> Token #14
✅ SUCCESS: [EMERGENCY] Trauma Case C -> Token #15

✅ SIMULATION COMPLETE. All scenarios validated.
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[09:15] REJECTION      : Standard Patient tries to book Dr. Gupta (Full)...
[09:20] DYNAMIC FLOW   : Patient_6 cancels their appointment...
[09:20] CANCELLATION   : Patient Patient_6 cancelled via App.
Token cancelled. Slot is now open.
[09:25] REALLOCATION    : That 'Sad Patient' from 09:15 tries again...
[09:30] PRIORITY       : A 'Paid' patient needs Dr. Gupta (Count is already 10/10)...
[09:45] VARIABILITY    : Dr. Alok is running late (Capacity reduced by 20%)...
[10:00] NO-SHOW        : Nurse marks Ortho_Pt_1 as No-Show...
[10:05] REALLOCATION    : Walk-in patient grabs the No-Show spot...
[10:30] EMERGENCY      : Dr. Sarah (Neuro) is fully booked...

[09:15] EXPECTED REJECTION: [WALKIN] Sad Patient -> Slot Capacity Reached for this Priority Level
[09:20] SUCCESS: [WALKIN] Happy Patient (Retry) -> Token #11
[09:30] SUCCESS: [PAID] Mr. Oberoi (VIP) -> Token #12
[09:45] SUCCESS: [ONLINE] Ortho_Pt_1 -> Token #1
[09:45] SUCCESS: [ONLINE] Ortho_Pt_2 -> Token #2
[09:45] SUCCESS: [ONLINE] Ortho_Pt_3 -> Token #3
[09:45] SUCCESS: [ONLINE] Ortho_Pt_4 -> Token #4
[09:45] SUCCESS: [ONLINE] Ortho_Pt_5 -> Token #5
[09:45] SUCCESS: [ONLINE] Ortho_Pt_6 -> Token #6
[09:45] SUCCESS: [ONLINE] Ortho_Pt_7 -> Token #7
[09:45] SUCCESS: [ONLINE] Ortho_Pt_8 -> Token #8
[09:50] EXPECTED REJECTION: [ONLINE] Rejected due to Delay -> Slot Capacity Reached for this Priority Level
[10:00] SUCCESS: [WALKIN] Walk-in Replacement -> Token #9
[10:30] SUCCESS: [ONLINE] Neuro_Pt_1 -> Token #1

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