Hospital Management System Data

patients.csv

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patient_id,first_name,last_name,gender,date_of_birth,blood_group,address,phone_number,email,insurance_provider,insurance_id,emergency_contact_name,emergency_contact_phone
P001,John,Smith,Male,1980-05-15,A+,123 Main St,555-123-4567,john.smith@email.com,BlueCross,BC12345,Mary Smith,555-123-7890
P002,Emily,Johnson,Female,1992-08-22,O-,456 Oak Ave,555-234-5678,emily.j@email.com,Aetna,AE56789,Robert Johnson,555-234-8901
P003,Michael,Williams,Male,1975-12-03,B+,789 Pine Blvd,555-345-6789,mwilliams@email.com,UnitedHealth,UH34567,Sarah Williams,555-345-9012
P004,Jessica,Brown,Female,1988-04-17,AB-,101 Cedar St,555-456-7890,jbrown@email.com,Cigna,CI78901,Thomas Brown,555-456-0123
P005,David,Jones,Male,1965-09-30,O+,202 Maple Dr,555-567-8901,djones@email.com,Humana,HU23456,Linda Jones,555-567-1234
P006,Lisa,Garcia,Female,1990-01-25,A-,303 Birch Ln,555-678-9012,lgarcia@email.com,Kaiser,KP87654,Carlos Garcia,555-678-2345
P007,Robert,Miller,Male,1972-07-12,B-,404 Elm St,555-789-0123,rmiller@email.com,Medicare,MC98765,Patricia Miller,555-789-3456
P008,Jennifer,Davis,Female,1985-03-08,AB+,505 Walnut Ave,555-890-1234,jdavis@email.com,Medicaid,MD12398,Steven Davis,555-890-4567
P009,William,Rodriguez,Male,1968-11-20,A+,606 Spruce Ct,555-901-2345,wrodriguez@email.com,BlueCross,BC45678,Maria Rodriguez,555-901-5678
P010,Elizabeth,Martinez,Female,1995-06-14,O-,707 Fir Path,555-012-3456,emartinez@email.com,Aetna,AE89012,Juan Martinez,555-012-6789
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doctors.csv

```
doctor_id,first_name,last_name,gender,specialization,department_id,qualification,experience_years,phone_number,email,joining_date,consultation_fee
D001,James,Wilson,Male,Cardiologist,DEPT001,MD Cardiology,15,555-111-2222,jwilson@hospital.com,2010-03-12,200
D002,Sarah,Anderson,Female,Neurologist,DEPT002,MD Neurology,10,555-222-3333,sanderson@hospital.com,2014-07-05,180
D003,Robert,Thomas,Male,Orthopedic,DEPT003,MS Orthopedics,12,555-333-4444,rthomas@hospital.com,2012-01-20,150
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D004,Patricia,Jackson,Female,Pediatrician,DEPT004,MD Pediatrics,8,555-444-5555,pjackson@hospital.com,2016-11-15,120

D005,Michael,White,Male,Dermatologist,DEPT005,MD Dermatology,14,555-555-6666,mwhite@hospital.com,2011-05-22,160

D006,Linda,Harris,Female,Gynecologist,DEPT006,MD Gynecology,11,555-666-7777,lharris@hospital.com,2013-09-30,170

D007,Richard,Clark,Male,Ophthalmologist,DEPT007,MS Ophthalmology,9,555-777-8888,rclark@hospital.com,2015-04-17,140

D008,Susan,Lewis,Female,Psychiatrist,DEPT008,MD Psychiatry,13,555-888-9999,slewis@hospital.com,2012-08-08,190

D009,David,Walker,Male,Urologist,DEPT009,MS Urology,7,555-999-0000,dwalker@hospital.com,2017-02-25,130

D010,Karen,Hall,Female,Endocrinologist,DEPT010,MD Endocrinology,16,555-000-1111,khall@hospital.com,2009-10-03,210

departments.csv

department_id,department_name,hod_doctor_id,location,phone_number,email

DEPT001,Cardiology,D001,Building A - Floor 2,555-100-1000,cardiology@hospital.com

DEPT002,Neurology,D002,Building A - Floor 3,555-100-2000,neurology@hospital.com

DEPT003,Orthopedics,D003,Building B - Floor 1,555-100-3000,orthopedics@hospital.com

DEPT004,Pediatrics,D004,Building B - Floor 2,555-100-4000,pediatrics@hospital.com

DEPT005,Dermatology,D005,Building C - Floor 1,555-100-5000,dermatology@hospital.com

DEPT006,Gynecology,D006,Building C - Floor 2,555-100-6000,gynecology@hospital.com

DEPT007,Ophthalmology,D007,Building D - Floor 1,555-100-7000,ophthalmology@hospital.com

DEPT008,Psychiatry,D008,Building D - Floor 2,555-100-8000,psychiatry@hospital.com

DEPT009,Urology,D009,Building E - Floor 1,555-100-9000,urology@hospital.com

DEPT010,Endocrinology,D010,Building E - Floor 2,555-100-0000,endocrinology@hospital.com

appointments.csv

appointment_id,patient_id,doctor_id,appointment_date,appointment_time,status,reason,notes

APP001,P001,D001,2025-05-05,09:00:00,Confirmed,Chest pain,Regular checkup

APP002,P002,D002,2025-05-05,10:30:00,Confirmed,Migraines,Follow-up appointment

APP003,P003,D003,2025-05-05,14:00:00,Confirmed,Knee injury,Post-surgery follow-up

APP004,P004,D004,2025-05-06,11:00:00,Confirmed,Fever,Pediatric consultation

APP005,P005,D005,2025-05-06,13:30:00,Confirmed,Skin rash,Initial consultation

APP006,P006,D006,2025-05-07,09:30:00,Scheduled,Prenatal checkup,Regular monitoring

APP007,P007,D007,2025-05-07,15:00:00,Scheduled,Vision problems,Vision test

APP008,P008,D008,2025-05-08,10:00:00,Scheduled,Anxiety,Therapy session

APP009,P009,D001,2025-05-08,16:30:00,Scheduled,Heart palpitations,ECG required

APP010,P010,D004,2025-05-09,09:30:00,Scheduled,Vaccination,Routine vaccination

APP011,P001,D001,2025-05-12,11:30:00,Pending,Test results review,Follow-up on tests

APP012,P003,D010,2025-05-12,14:30:00,Pending,Diabetes checkup,Blood sugar monitoring

medications.csv

medication_id,medication_name,category,manufacturer,unit_price,stock_quantity,reorder_level,expiry_date

MED001,Amoxicillin,Antibiotic,Pfizer,8.50,500,100,2026-12-31

MED002,Lisinopril,Antihypertensive,Merck,12.75,300,75,2027-06-30

MED003,Atorvastatin,Statin,AstraZeneca,15.99,400,100,2027-10-31

MED004,Albuterol,Bronchodilator,GlaxoSmithKline,20.50,250,50,2026-09-30

MED005,Metformin,Antidiabetic,Novartis,10.25,600,150,2027-03-31

MED006,Loratadine,Antihistamine,Johnson & Johnson,9.99,350,75,2026-11-30

MED007,Ibuprofen,NSAID,Bayer,6.75,800,200,2026-08-31

MED008,Sertraline,Antidepressant,Pfizer,18.50,200,50,2027-05-31

MED009,Levothyroxine,Thyroid,Merck,14.25,350,75,2027-07-31

MED010,Omeprazole,PPI,AstraZeneca,11.99,450,100,2026-10-31

prescriptions.csv

prescription_id,patient_id,doctor_id,prescription_date,medication_id,dosage,frequency,duration_days,notes

PRESC001,P001,D001,2025-05-01,MED002,10mg,Once daily,30,Take after breakfast

PRESC002,P001,D001,2025-05-01,MED003,20mg,Once daily,30,Take at bedtime

PRESC003,P002,D002,2025-05-02,MED008,50mg,Once daily,60,Take after dinner

PRESC004,P003,D003,2025-05-02,MED007,400mg,Three times daily,10,Take after meals

PRESC005,P004,D004,2025-05-03,MED001,250mg,Twice daily,7,Take with food

PRESC006,P005,D005,2025-05-03,MED006,10mg,Once daily,15,Take as needed

PRESC007,P007,D007,2025-04-28,MED004,2 puffs,Four times daily,30,As needed for breathing

PRESC008,P008,D008,2025-04-29,MED008,25mg,Once daily,90,Monitor for side effects

PRESC009,P009,D001,2025-04-30,MED002,5mg,Once daily,30,Monitor blood pressure

PRESC010,P010,D004,2025-05-03,MED001,125mg,Twice daily,5,Pediatric dose

rooms.csv

room_id,room_type,department_id,floor,capacity,status,rate_per_day,amenities

RM001,General Ward,DEPT001,2,4,Occupied,300,Shared bathroom

RM002,General Ward,DEPT001,2,4,Available,300,Shared bathroom

RM003,Semi-Private,DEPT002,3,2,Occupied,500,TV, Shared bathroom

RM004,Semi-Private,DEPT002,3,2,Available,500,TV, Shared bathroom

RM005,Private,DEPT003,1,1,Occupied,1000,TV, Private bathroom, Sofa bed

RM006,Private,DEPT003,1,1,Available,1000,TV, Private bathroom, Sofa bed

RM007,ICU,DEPT001,2,1,Occupied,2000,Advanced monitoring equipment

RM008,ICU,DEPT001,2,1,Available,2000,Advanced monitoring equipment

RM009,Operating Theater,DEPT003,1,1,Available,5000,Surgical equipment

RM010,Emergency Room,DEPT004,0,1,Available,1500,Emergency equipment

admissions.csv

admission_id,patient_id,doctor_id,room_id,admission_date,discharge_date,diagnosis,treatment,admission_notes

ADM001,P001,D001,RM001,2025-04-20,2025-04-25,Acute myocardial infarction,Angioplasty,Patient stable after procedure

ADM002,P003,D003,RM005,2025-04-22,2025-04-30,Fractured femur,Surgical fixation,Physical therapy needed

ADM003,P007,D001,RM007,2025-04-30,NULL,Congestive heart failure,Medication and monitoring,Critical condition being stabilized

ADM004,P005,D010,RM003,2025-05-01,NULL,Diabetic ketoacidosis,Insulin therapy,Blood sugar levels being monitored

ADM005,P009,D001,RM001,2025-05-02,NULL,Unstable angina,Medication and monitoring,Scheduled for angiogram

ADM006,P008,D008,RM006,2025-04-15,2025-04-22,Severe depression,Therapy and medication,Recommended outpatient follow-up

ADM007,P002,D002,RM008,2025-05-03,NULL,Stroke,Thrombolytic therapy,Under intensive monitoring

staff.csv

staff_id,first_name,last_name,gender,role,department_id,phone_number,email,joining_date,salary

S001,Helen,Parker,Female,Nurse,DEPT001,555-211-2222,hparker@hospital.com,2012-06-15,60000

S002,George,Adams,Male,Nurse,DEPT002,555-212-2222,gadams@hospital.com,2013-08-20,62000

S003,Margaret,Scott,Female,Nurse,DEPT003,555-213-2222,mscott@hospital.com,2014-03-10,61000

S004,Frank,Baker,Male,Technician,DEPT007,555-214-2222,fbaker@hospital.com,2015-11-05,55000

S005,Diana,Green,Female,Receptionist,DEPT001,555-215-2222,dgreen@hospital.com,2016-01-15,45000

S006,Edward,Young,Male,Pharmacist,DEPT001,555-216-2222,eyoung@hospital.com,2011-09-22,70000

S007,Carol,Allen,Female,Lab Technician,DEPT001,555-217-2222,callen@hospital.com,2017-04-30,58000

S008,Brian,King,Male,Radiologist,DEPT001,555-218-2222,bking@hospital.com,2014-07-12,75000

S009,Alice,Wright,Female,Administrator,DEPT001,555-219-2222,awright@hospital.com,2010-02-28,65000

S010,Mark,Lopez,Male,IT Specialist,DEPT001,555-220-2222,mlopez@hospital.com,2018-10-15,68000

lab_tests.csv

test_id,patient_id,doctor_id,test_name,test_date,test_result,result_date,technician_id,notes

TEST001,P001,D001,Complete Blood Count,2025-04-25,Normal,2025-04-26,S007,No abnormalities detected

TEST002,P001,D001,Lipid Profile,2025-04-25,Abnormal,2025-04-26,S007,High LDL cholesterol

TEST003,P003,D003,X-Ray Knee,2025-04-23,Abnormal,2025-04-23,S008,Confirmed fracture

TEST004,P005,D010,Blood Glucose,2025-05-01,Abnormal,2025-05-01,S007,High blood sugar levels

TEST005,P007,D001,Echocardiogram,2025-04-30,Abnormal,2025-05-01,S008,Reduced ejection fraction

TEST006,P002,D002,MRI Brain,2025-05-03,Abnormal,2025-05-03,S008,Evidence of ischemic stroke

TEST007,P009,D001,ECG,2025-05-02,Abnormal,2025-05-02,S004,ST-segment depression

TEST008,P004,D004,Complete Blood Count,2025-05-03,Normal,2025-05-04,S007,Mild anemia

TEST009,P006,D006,Ultrasound,2025-05-01,Normal,2025-05-01,S008,Healthy fetal development

TEST010,P008,D008,Psychiatric Evaluation,2025-04-20,Abnormal,2025-04-20,NULL,Severe depression symptoms

billing.csv

bill_id,patient_id,admission_id,bill_date,doctor_charges,room_charges,medicine_charges,test_charges,other_charges,total_amount,payment_status,payment_method,insurance_claim_amount

BILL001,P001,ADM001,2025-04-25,1000,1500,800,500,200,4000,Paid,Credit Card,3000

BILL002,P003,ADM002,2025-04-30,1500,8000,1200,600,300,11600,Paid,Insurance,10000

BILL003,P007,ADM003,2025-05-04,2000,10000,1500,800,400,14700,Pending,NULL,12000

BILL004,P005,ADM004,2025-05-04,1200,1500,900,500,200,4300,Pending,NULL,3500

BILL005,P009,ADM005,2025-05-04,1000,900,700,600,150,3350,Pending,NULL,2800

BILL006,P008,ADM006,2025-04-22,1800,7000,1100,400,300,10600,Paid,Insurance,9000

BILL007,P002,NULL,2025-05-02,400,0,200,1200,100,1900,Paid,Cash,0

BILL008,P004,NULL,2025-05-03,300,0,150,500,50,1000,Paid,Debit Card,800

BILL009,P006,NULL,2025-05-01,500,0,0,700,100,1300,Paid,Insurance,1000

BILL010,P010,NULL,2025-05-03,250,0,100,0,50,400,Paid,Cash,0

insurance_claims.csv

claim_id,bill_id,patient_id,insurance_provider,policy_number,claim_date,claim_amount,approved_amount,status,processed_date,notes

CLM001,BILL001,P001,BlueCross,BC12345,2025-04-26,3000,2800,Approved,2025-05-01,Partial approval

CLM002,BILL002,P003,UnitedHealth,UH34567,2025-05-01,10000,10000,Approved,2025-05-03,Full approval

CLM003,BILL003,P007,Medicare,MC98765,2025-05-04,12000,NULL,Processing,NULL,Under review

CLM004,BILL004,P005,Humana,HU23456,2025-05-04,3500,NULL,Submitted,NULL,Awaiting acknowledgment

CLM005,BILL005,P009,BlueCross,BC45678,2025-05-04,2800,NULL,Submitted,NULL,Awaiting acknowledgment

CLM006,BILL006,P008,Medicaid,MD12398,2025-04-23,9000,8500,Approved,2025-04-30,Partial approval

CLM007,BILL009,P006,Kaiser,KP87654,2025-05-02,1000,1000,Approved,2025-05-04,Full approval

CLM008,BILL008,P004,Cigna,CI78901,2025-05-03,800,750,Approved,2025-05-04,Partial approval

inventory.csv

inventory_id,item_name,category,quantity,unit_price,supplier,purchase_date,expiry_date

INV001,Surgical Gloves,Medical Supplies,2000,0.50,MedSupply Inc.,2025-04-01,2027-04-01

INV002,Syringes,Medical Supplies,1500,0.25,MedSupply Inc.,2025-04-01,2028-04-01

INV003,Bandages,Medical Supplies,3000,0.15,Johnson & Johnson,2025-04-10,2029-04-10

INV004,Surgical Masks,Medical Supplies,5000,0.20,3M Healthcare,2025-04-15,2027-04-15

INV005,IV Solution,Medicines,500,5.00,Baxter Medical,2025-04-20,2026-10-20

INV006,Surgical Sutures,Medical Supplies,1000,2.50,Ethicon,2025-04-25,2028-04-25

INV007,Sterilization Kits,Equipment,200,15.00,Steris Corp,2025-03-15,2027-03-15

INV008,Blood Pressure Monitors,Equipment,50,75.00,Omron Healthcare,2025-03-01,NULL

INV009,Wheelchairs,Equipment,20,250.00,Drive Medical,2025-02-15,NULL

INV010,Hospital Beds,Furniture,15,1200.00,Hill-Rom,2025-01-20,NULL