Meadows Healthcare :

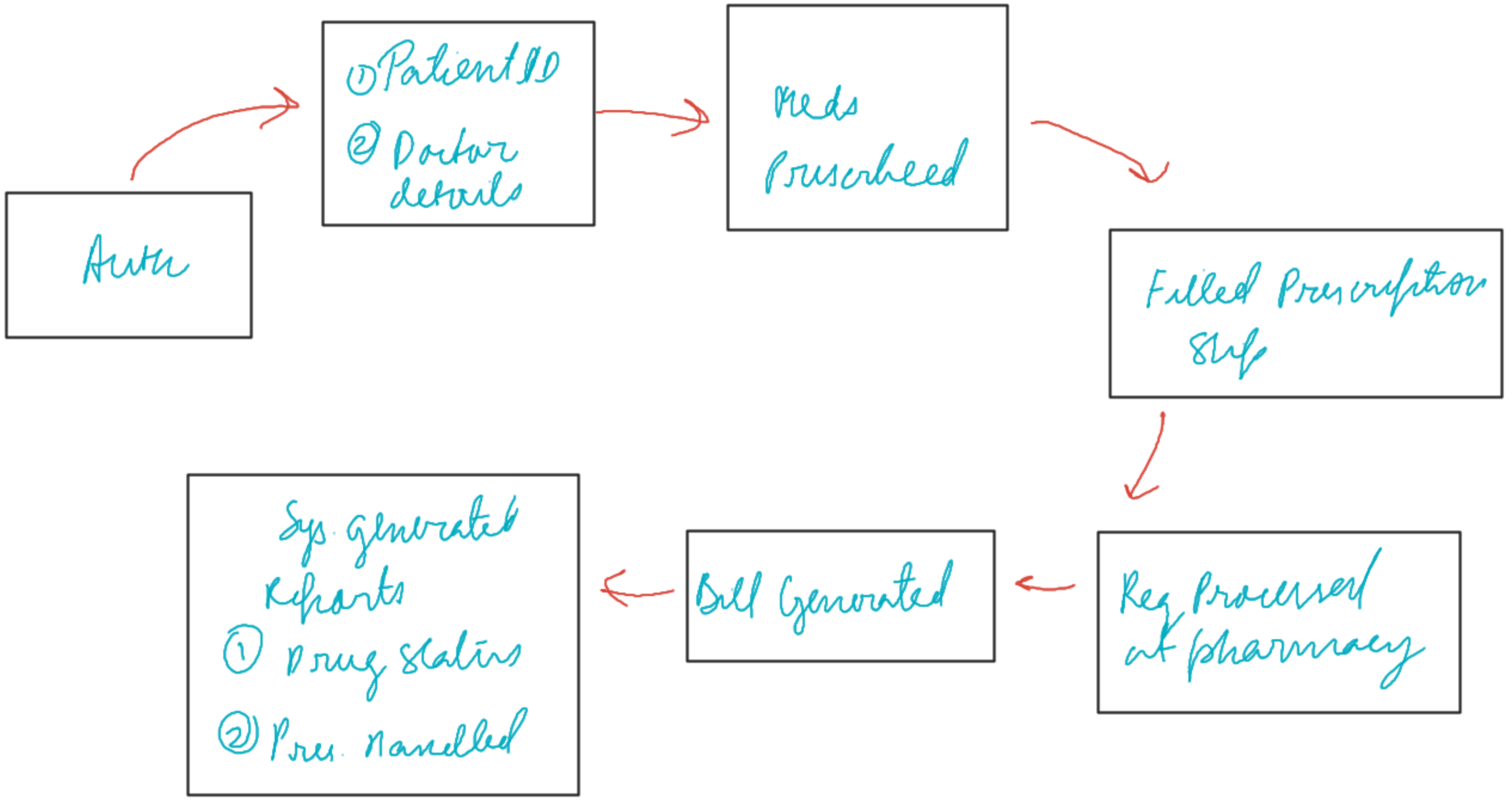
Problem statement :

The Purpose Of the Project Meadow Pharmacy System is to computerise the management of hospital to develop a software which is user-friendly, fast and simple and cost-effective.

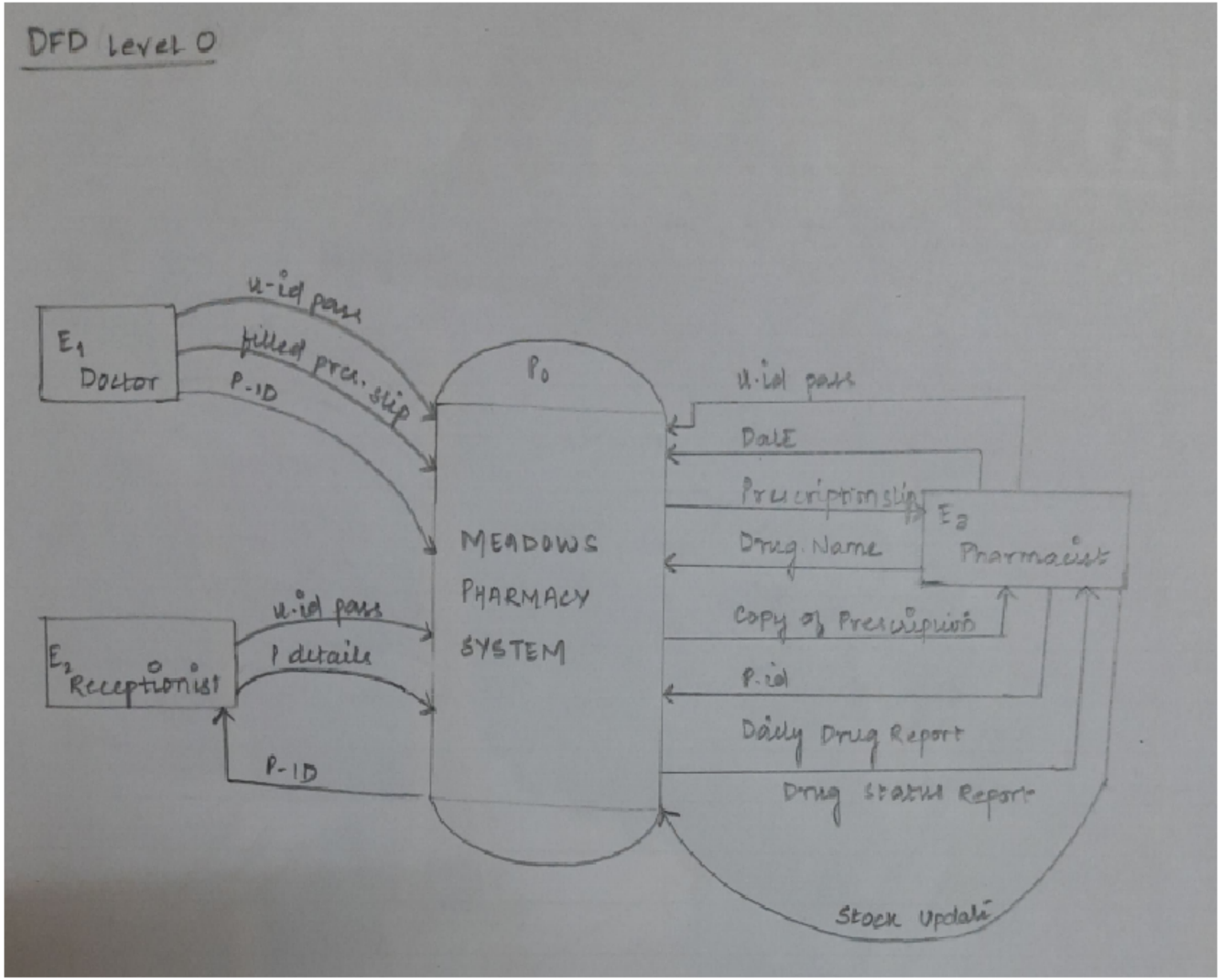
Objectives

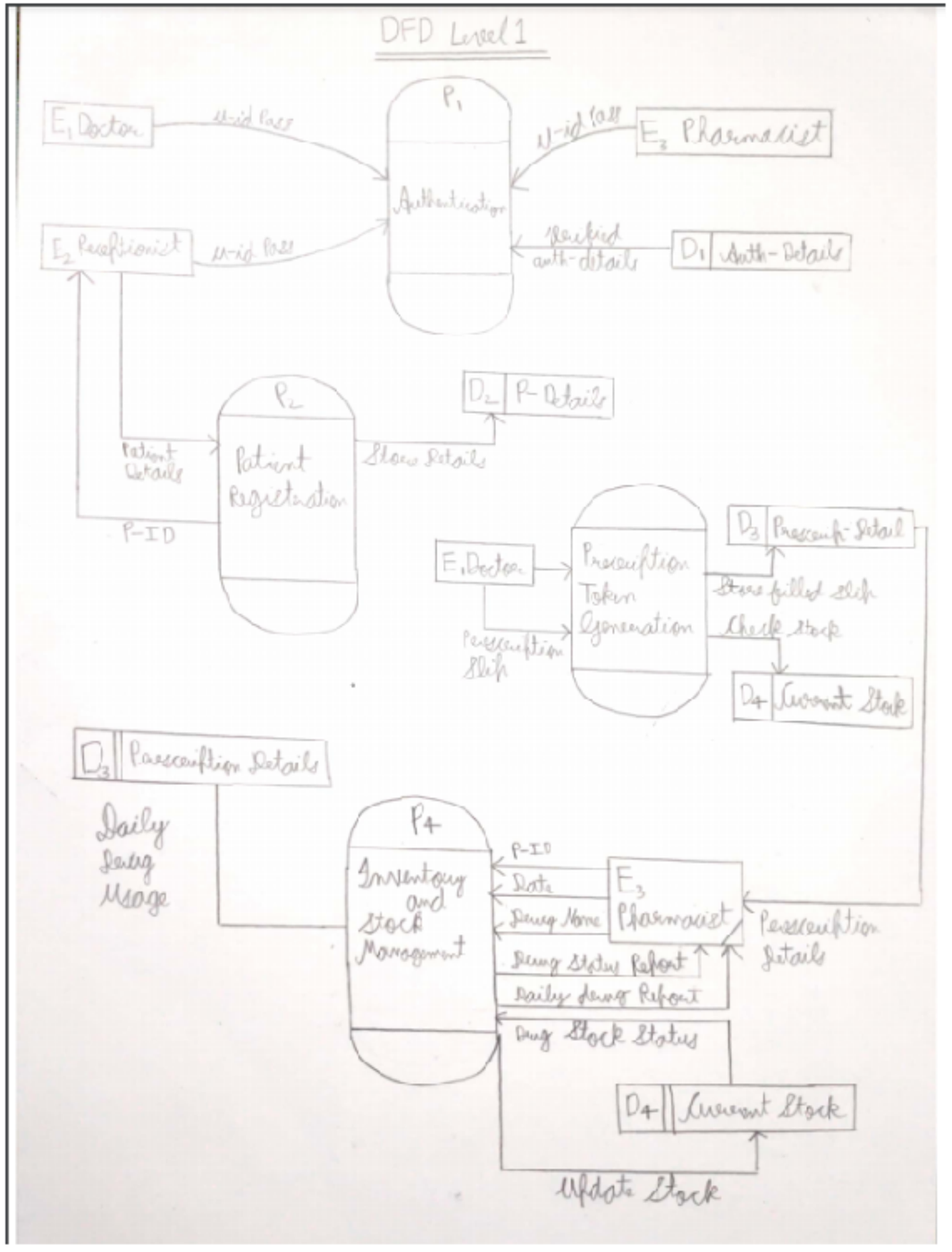
1. Record Information about patients
2. Record information about treatment
3. Keeping record of daily drug report
4. Bills generation
5. Stock management

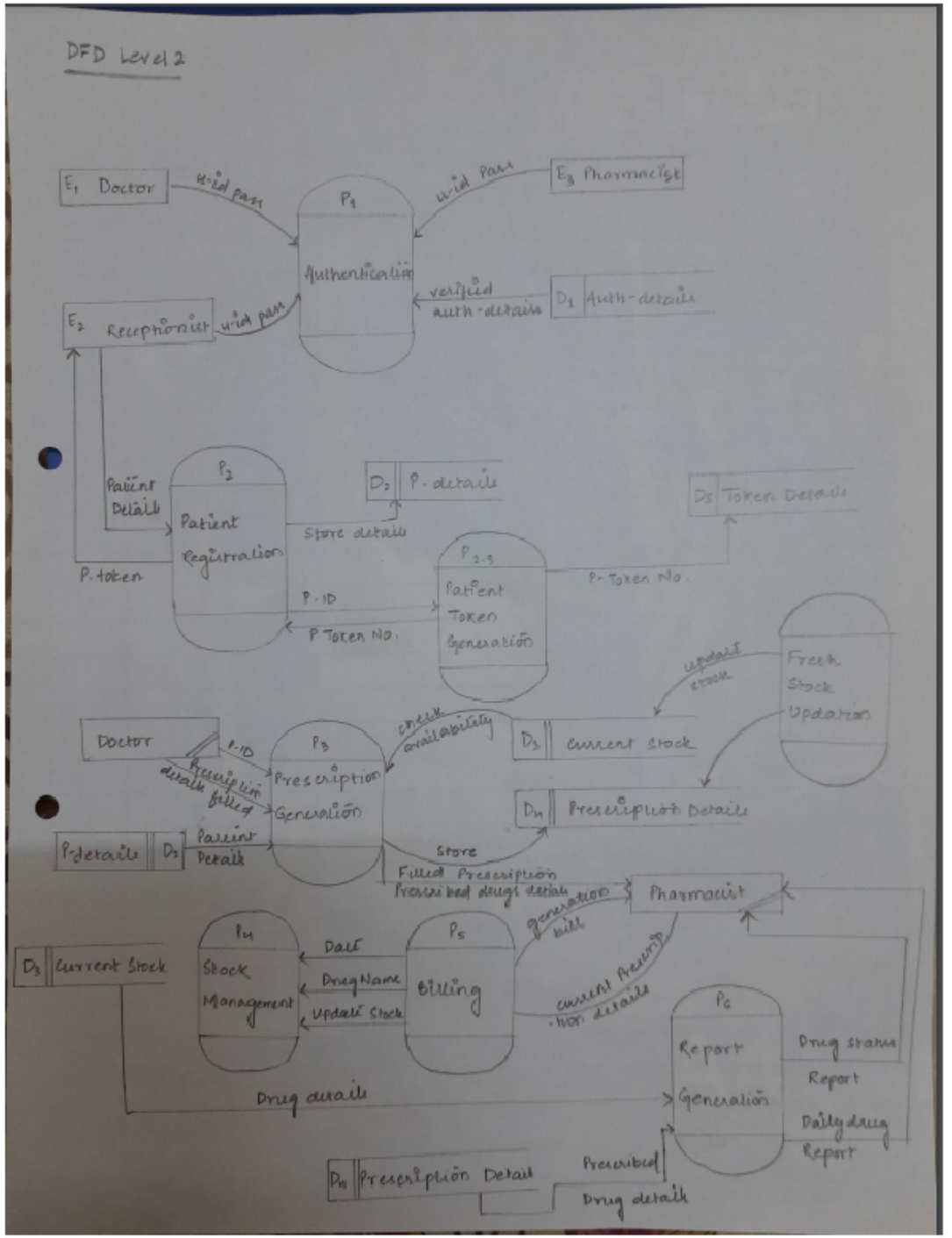
Approach :


Admin
① Patient ID
② Doctor details
Meds Prescribed
Filled Prescription Slip
Reg Processed at pharmacy
Bill Generated
Sys. generated Reports
① Drug Stats
② Pres. Handled

Diagrams


DFD Level 0
E1 Doctor
u-id pass
filled prcs. slip
P-ID
P0
MEADOWS PHARMACY SYSTEM
E2 Receptionist
u-id pass
P details
P-ID
u-id pass
Date
Prescription slip
Drug Name
Copy of Prescription
P-id
Daily Drug Report
Drug status Report
Stock Update
E3 Pharmacist


DFD Level 1
E1 Doctor
u-id pass
P1
Authentication
u-id pass
E2 Pharmacist
E2 Receptionist
u-id pass
verified auth-details
D1 Auth-Details
P2
D2 P-Details
Patient Details
Patient Registration
Store Details
P-ID
E1 Doctor
Prescription Token Generation
D3 Prescrip-Detail
Prescription Slip
Store filled slip
Check stock
D4 Current Stock
D3 Prescription Details
Daily Drug Usage
P4
Inventory and Stock Management
P-ID
Date
Drug Name
E3 Pharmacist
Prescription details
Drug Status Report
Daily drug Report
Drug Stock Status
D4 Current Stock
Update Stock


DFD Level 2
E1 Doctor
Uid pass
P1
Authentication
uid pass
E3 Pharmacist
verified auth-details
D1 Auth-details
E2 Receptionist
uid pass
Patient Details
P2
Patient Registration
D2 P-details
Store details
P-token
P-ID
P Token No.
P2.3
Patient Token Generation
P-Token No.
D5 Token Details
update stock
Fresh Stock Updation
Doctor
P-ID
Prescription details filled
P3
Prescription Generation
check availability
D3 current stock
D4 Prescription Details
P-details
D1
Patient Details
Store Filled Prescription Prescribed drugs details
Pharmacist
generation bill
P4
Stock Management
P5
Billing
Date
Drug Name
Update Stock
current Prescription details
D3 Current Stock
P6
Report Generation
Drug status Report
Daily drug Report
Drug details
D4 Prescription Detail
Prescribed Drug details