Team

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Introduction

- **The pharmacy system is based on receiving medicines from sales representatives of companies and then selling it to consumers in order to use the medicines in a safe and effective manner and under the permitted supervision. Remote areas can use our website or application that facilitates access to pharmacy services, search for medicines and other medical supplies, delivery to anywhere as soon as possible and all possible payment methods as paybal , fawry , visa or when the order be deleverd he can pay, and there are pharmacists throughout the day and they have experience in dealing with emergency cases such as bleeding or fracture, and not dispensing The prohibited medicines are only a paper proving your need for them from the specialist doctor.**

Project Features

- Log in.
- Patient info.
- Patient Prescription
- Minimize the time of processing a request.
- Support bulk requests.
- Make an order for medicines.
- Always make sure that all required medications are available.

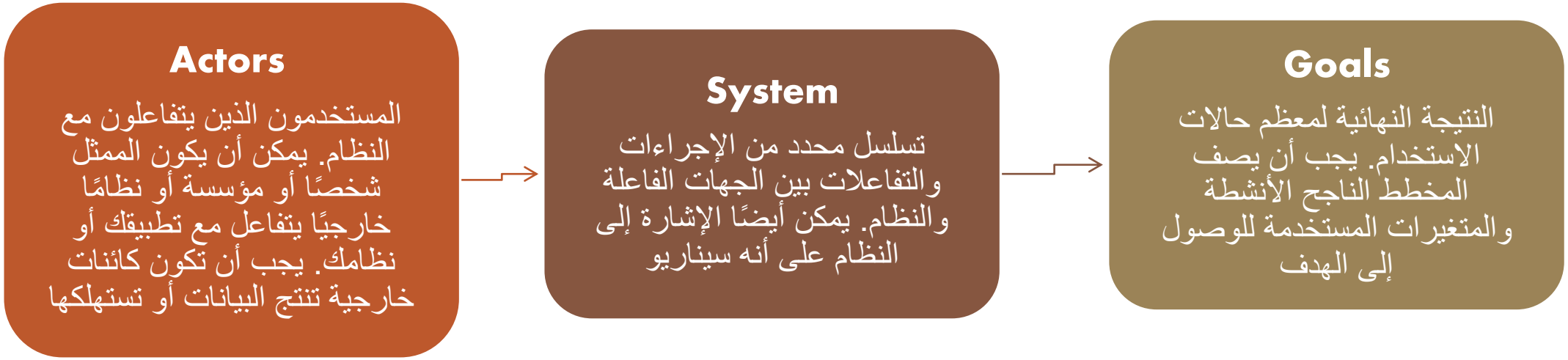
Project Features

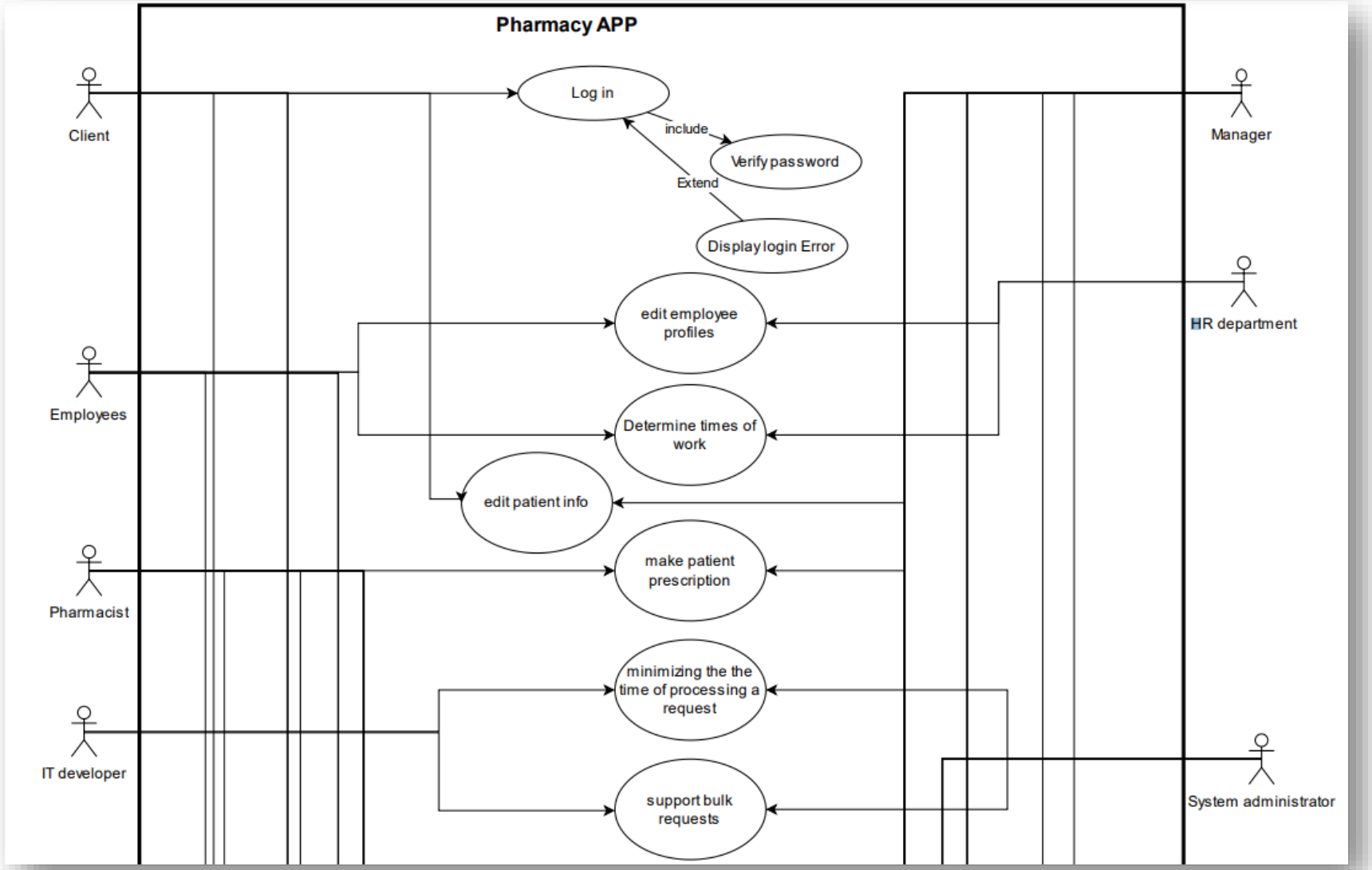
- Knowing the effective materials to look for an alternative if there is something wrong within the medicine.
- The purpose of each drug must be known.
- Sorting medicines and knowing their production date and expiration date.
- Keeping medicines in a place where the temperature is suitable.
- Divide the medicines inside the pharmacy into departments.
- Not to dispense any of the prohibited medicines without the permission of the specialist doctor.

Project Features

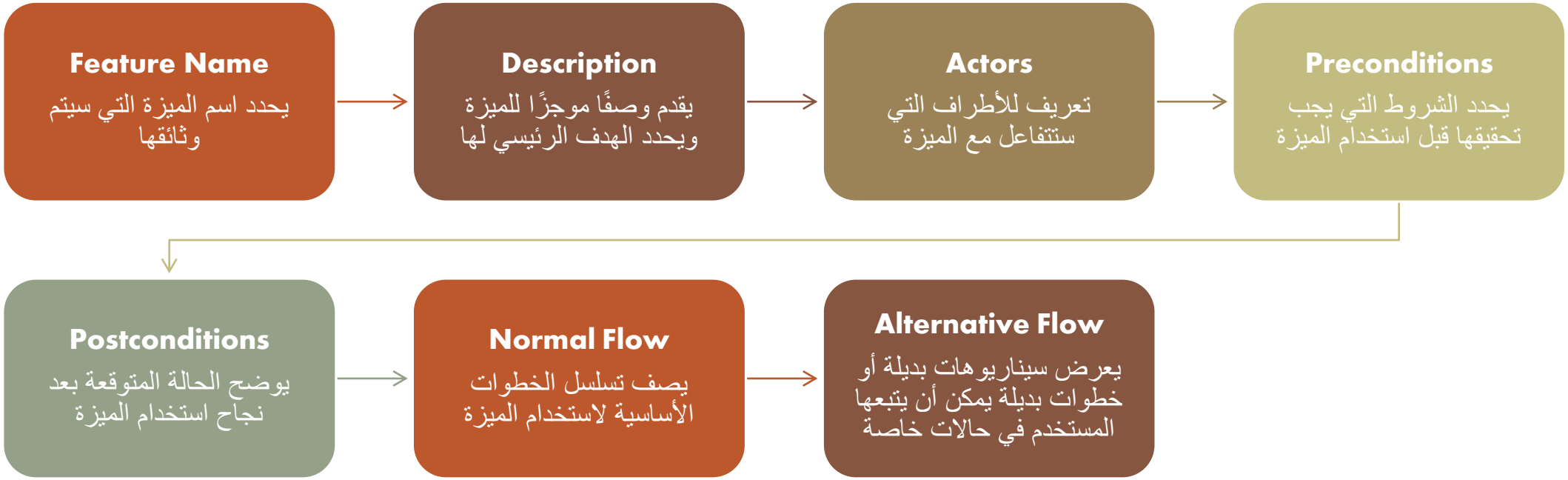
- We must make advertisements in all forms (various social media - advertisement banners in the streets and tv, etc.)
- Allow patients and clints to send feedback about the system.
- Ask patients for any suggestion that help to improve the system.
- Ease the process of delivering medicines to homes.
- Decrease the pressure from the pharmacy.
- Save time for clients.
- Tax Exemptions
- Tax Rates and RulesReceipt and invoices

Use case diagram

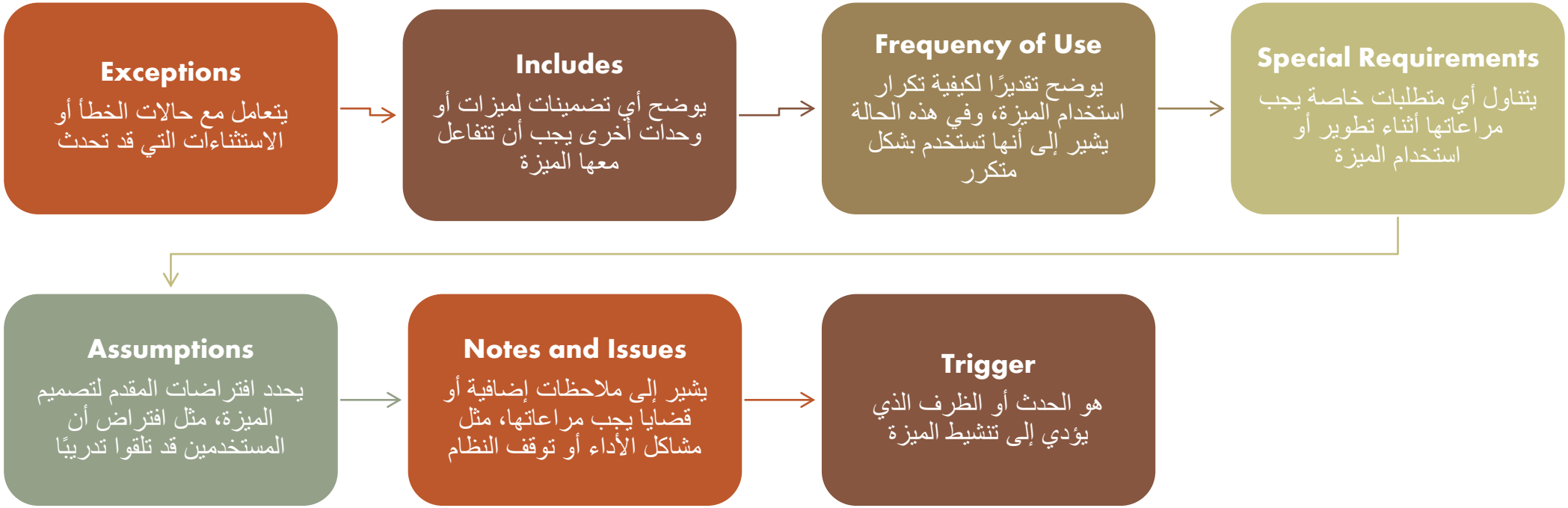



Pharmacy APP
Client
Log in
include
Verify password
Extend
Display login Error
Manager
edit employee profiles
HR department
Employees
Determine times of work
edit patient info
Pharmacist
make patient prescription
minimizing the the time of processing a request
IT developer
support bulk requests
System administrator

Template use case

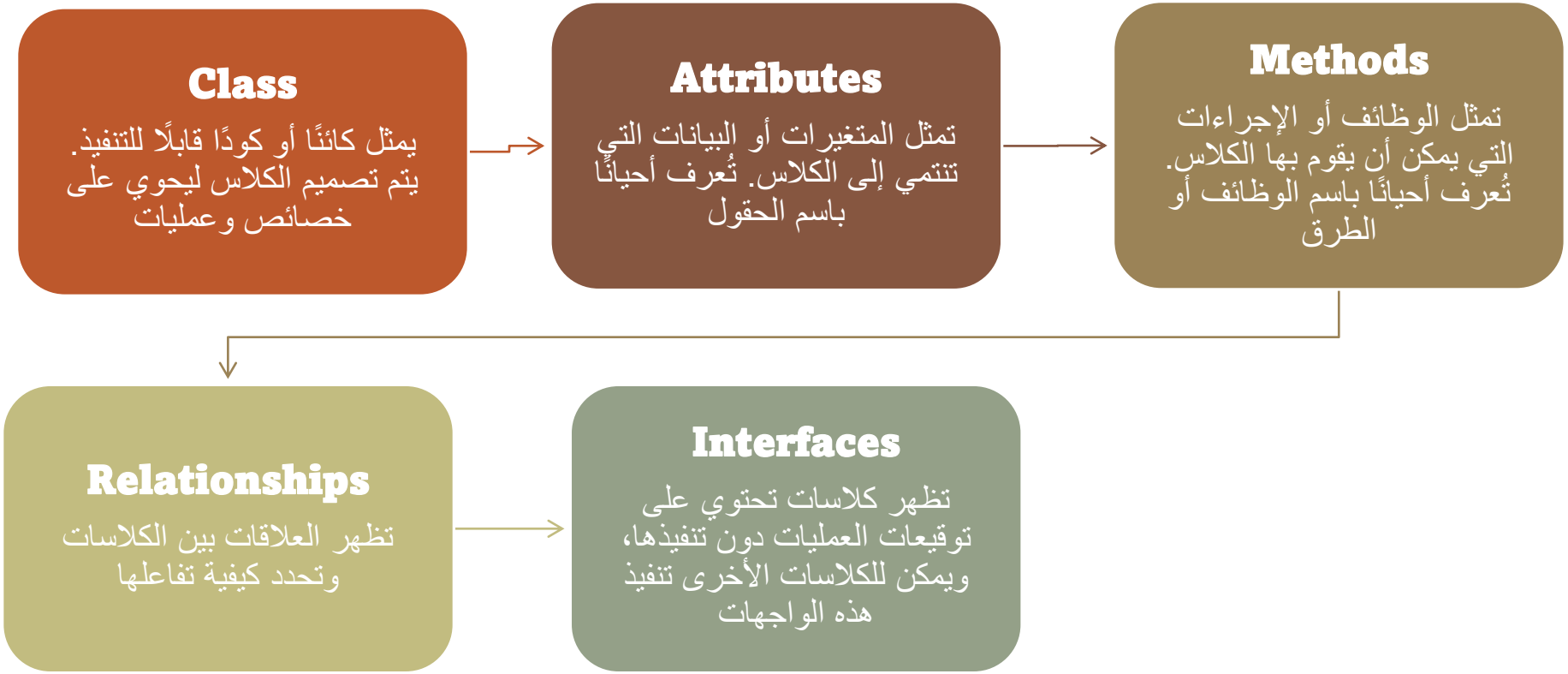


Template use case



Use Case ID:	22		
Use Case Name:	The presence of all devices that help in treating a patient as devices that measure blood pressure and sugar.		
Created By:	Amr Ashraf	**Last Updated By:**	Amr Ashraf
Date Created:	Oct 18th, 2023	**Last Revision Date:**	Oct 19th, 2023
Actors:	• Manager (secondary)		
Description:	This feature involves the integration of medical devices, such as blood pressure and blood sugar measuring devices, into the healthcare system to assist in patient treatment.		
Trigger:	The healthcare provider initiates the use of medical devices during patient care.		
Preconditions:	•The medical devices are present and connected to the healthcare system. •The healthcare provider has the necessary permissions to access and use the integrated devices.		
Post conditions:	Patient data from the integrated devices is securely recorded in the healthcare system.		
Normal Flow:	1.The healthcare provider verifies the availability of the required medical devices. 2.The medical devices are connected to the healthcare system. 3.The healthcare provider uses the devices to measure blood pressure and blood sugar. 4.The recorded data is automatically stored in the patient's electronic health record.		
Alternative Flows: [Alternative Flow 1 – Not in Network]	1.If a medical device is not available, the healthcare provider may manually enter the data or use an alternative device. 2.In case of connectivity issues, there should be a backup mechanism for data storage.		
Exceptions:	If there is a malfunction in the medical device, the system should provide an alert or allow the provider to enter data manually.		
Includes:	Not applicable		
Frequency of Use:	Used regularly during patient examinations and treatments.		
Special Requirements:	•Secure and reliable connectivity between medical devices and the healthcare system. •Compliance with medical data privacy and security regulations.		
Assumptions:	Assumes that the medical devices are calibrated and functioning properly.		
Notes and Issues:	Regular maintenance and calibration of the integrated medical devices are crucial for accurate data recording.		

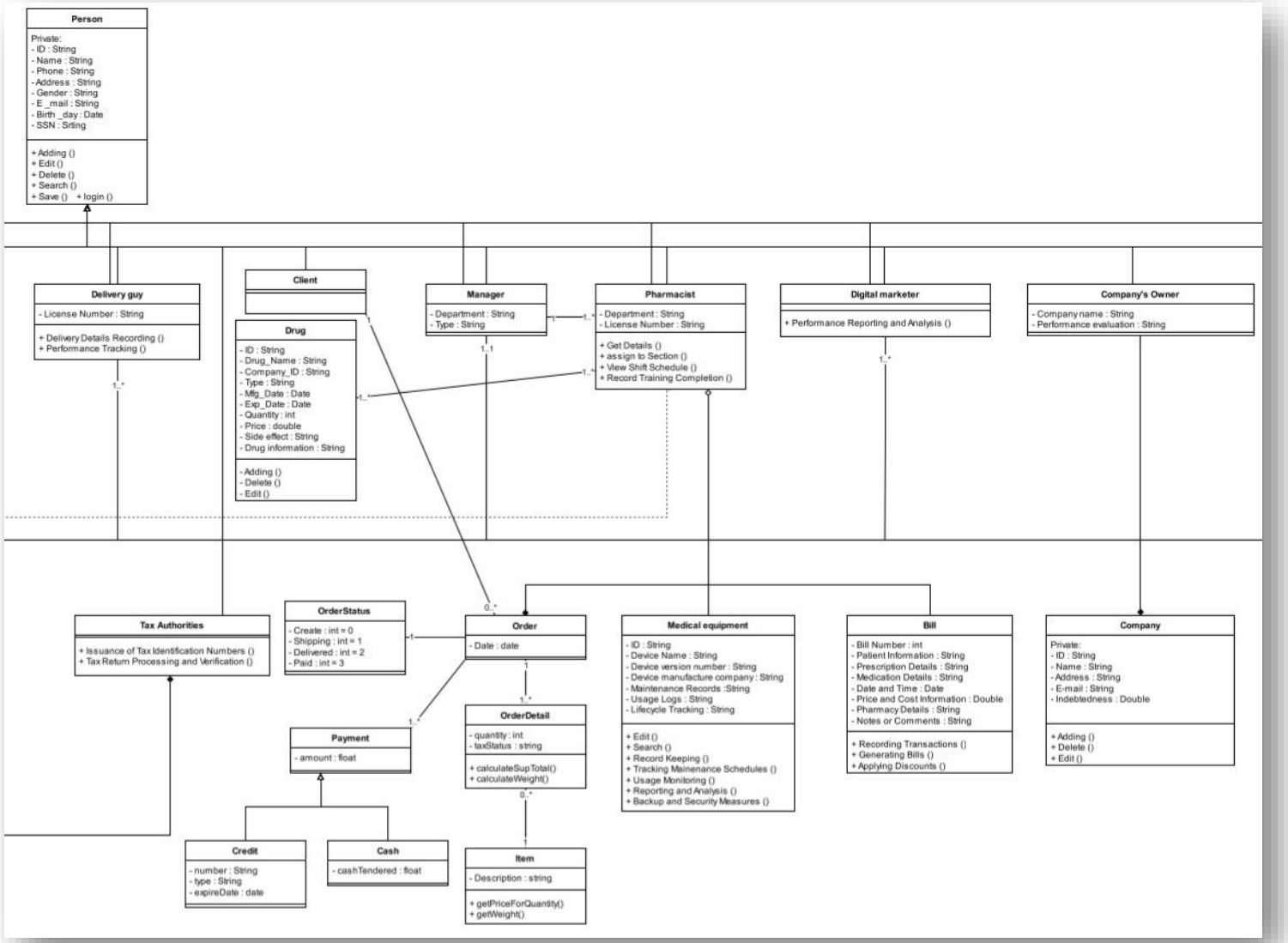
Class diagram



Class diagram : (Relationships)

- Six types of relationships

1- Inheritance
2- Realization / Implementation
3- Composition
4- Aggregation
5- Association
6- Dependencies


Person
Private:
- ID : String
- Name : String
- Phone : String
- Address : String
- Gender : String
- E_mail : String
- Birth _day : Date
- SSN : Srting
+ Adding ()
+ Edit ()
+ Delete ()
+ Search ()
+ Save () + login ()
Delivery guy
- License Number : String
+ Delivery Details Recording ()
+ Performance Tracking ()
Client
Drug
- ID : String
- Drug_Name : String
- Company_ID : String
- Type : String
- Mfg_Date : Date
- Exp_Date : Date
- Quantity : int
- Price : double
- Side effect : String
- Drug information : String
- Adding ()
- Delete ()
- Edit ()
Manager
- Department : String
- Type : String
Pharmacist
- Department : String
- License Number : String
+ Get Details ()
+ assign to Section ()
+ View Shift Schedule ()
+ Record Training Completion ()
Digital marketer
+ Performance Reporting and Analysis ()
Company's Owner
- Company name : String
- Performance evaluation : String
Tax Authorities
+ Issuance of Tax Identification Numbers ()
+ Tax Return Processing and Verification ()
OrderStatus
- Create : int = 0
- Shipping : int = 1
- Delivered : int = 2
- Paid : int = 3
Order
- Date : date
Payment
- amount : float
Credit
- number : String
- type : String
- expireDate : date
Cash
- cashTendered : float
OrderDetail
- quantity : int
- taxStatus : string
+ calculateSupTotal()
+ calculateWeight()
Item
- Description : string
+ getPriceForQuantity()
+ getWeight()
Medical equipment
- ID : String
- Device Name : String
- Device version number : String
- Device manufacture company : String
- Maintenance Records :String
- Usage Logs : String
- Lifecycle Tracking : String
+ Edit ()
+ Search ()
+ Record Keeping ()
+ Tracking Mainenance Schedules ()
+ Usage Monitoring ()
+ Reporting and Analysis ()
+ Backup and Security Measures ()
Bill
- Bill Number : int
- Patient Information : String
- Prescription Details : String
- Medication Details : String
- Date and Time : Date
- Price and Cost Information : Double
- Pharmacy Details : String
- Notes or Comments : String
+ Recording Transactions ()
+ Generating Bills ()
+ Applying Discounts ()
Company
Private:
- ID : String
- Name : String
- Address : String
- E-mail : String
- Indebtedness : Double
+ Adding ()
+ Delete ()
+ Edit ()

Sequence diagram

Actors

يمثل كائنًا معينًا في النظام، سواء كان ذلك كائن فعلي من كلاس معين أو كائن ذو وجود زمني يُظهر فترة زمنية محددة

Lifeline

خط عمودي يُظهر الفترة الزمنية التي يظل فيها الكائن نشطًا. يُستخدم لتوضيح عمر الكائن أثناء تنفيذ السيناريو

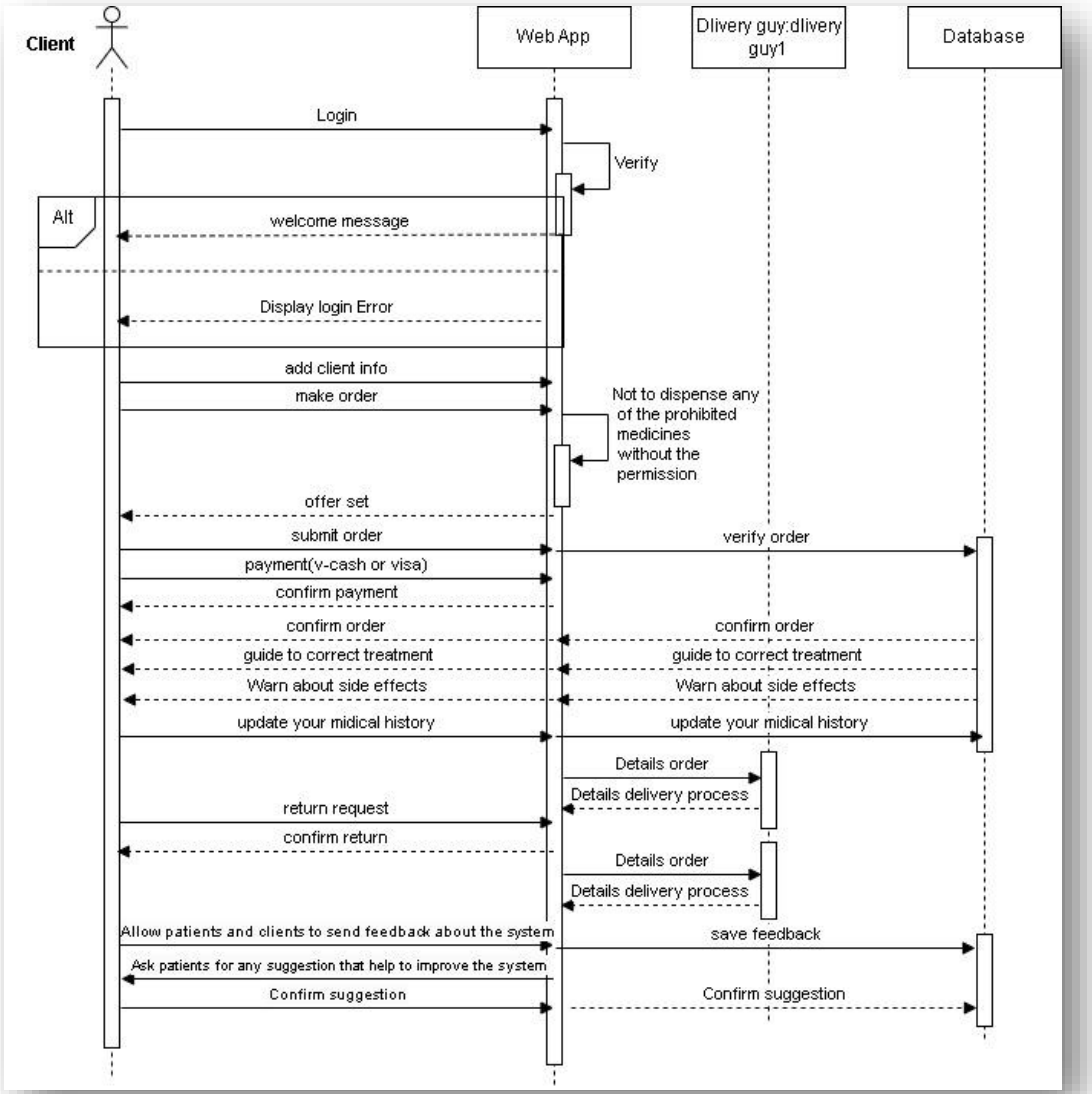
Message

تمثل التفاعل بين الكائنات. يُظهر الرسم السهم الذي يمتد من الكائن المرسل إلى الكائن المستقبل، ويُظهر نوع الرسالة ومحتواها

Sequence diagram : (Message)

- Eight types of messages

1- Synchronous messages
2- Asynchronous Messages
3- Create message
4- Delete Message
5- Self Message
6- Reply Message
7- Found Message
8- Lost Message


Client
Web App
Dlivery guy:dlivery guy1
Database
Login
Verify
Alt
welcome message
Display login Error
add client info
make order
Not to dispense any of the prohibited medicines without the permission
offer set
submit order
verify order
payment(v-cash or visa)
confirm payment
confirm order
confirm order
guide to correct treatment
guide to correct treatment
Warn about side effects
Warn about side effects
update your midical history
update your midical history
Details order
Details delivery process
return request
confirm return
Details order
Details delivery process
Allow patients and clients to send feedback about the system
save feedback
Ask patients for any suggestion that help to improve the system
Confirm suggestion
Confirm suggestion