UNIVERSITY OF ASIA PACIFIC

Project

Online Medicine System

Course Code: CSE322

Course Title: Software Engineering

Name	ID	Section
Mohammed Imtiaz	16201122	B-2
Ashikur Rahman	16201127	B-2

Submitted to :

Md Masud Ahmed

Lecturer, UAP.

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Introduction

This project is used mainly for medical stores to maintain the details of the medical store such as stock and account. This medical shop management system is so designed as to ease the workload of medical shop professionals. The main feature includes inventory and stock control, accounting, client management

Requirement Analysis

Features of this system

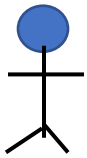
- Easy to found product
- Delivery of at any place.
- Fast delivery and easy payment system
- Collection of rare Medicine.
- Cash on delivery.

2.1 Use Case Diagram

A UML use case diagram is the primary form of system/software requirements for a new software program under developed. Use cases specify the expected behavior (what), and not the exact method of making it happen (how). Use cases once specified can be denoted both textual and visual representation (such as UML). A key concept of use case modeling is that it helps us design a system from end user's perspective. It is an effective technique for communicating system behavior in the user's terms by specifying all externally visible system behavior.

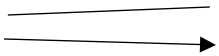
How to Define UML Use case Diagram?

1. **Actor**



2. **Use case**

3. **Relation**



4. **System Boundary**

   Others…

Online Medicine System

UML Use Case

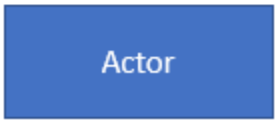
Actor

1.Admin

2.Customer

3. Delivery Person

4.Bank



Use case

1.View product

2. Registration

3. Login

4. Stack Medicine

5. Verification

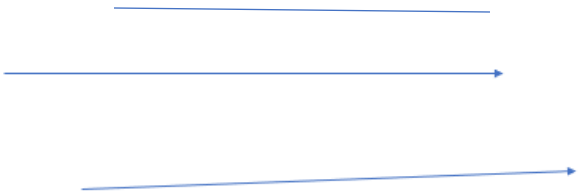
6. Order

7. Delivery

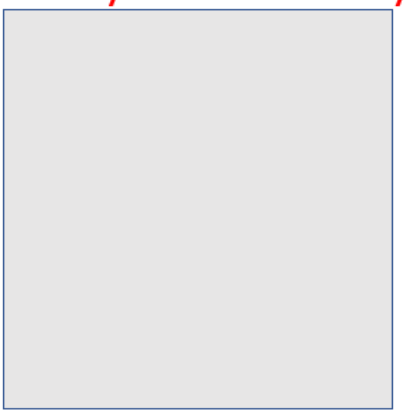
8. Payment

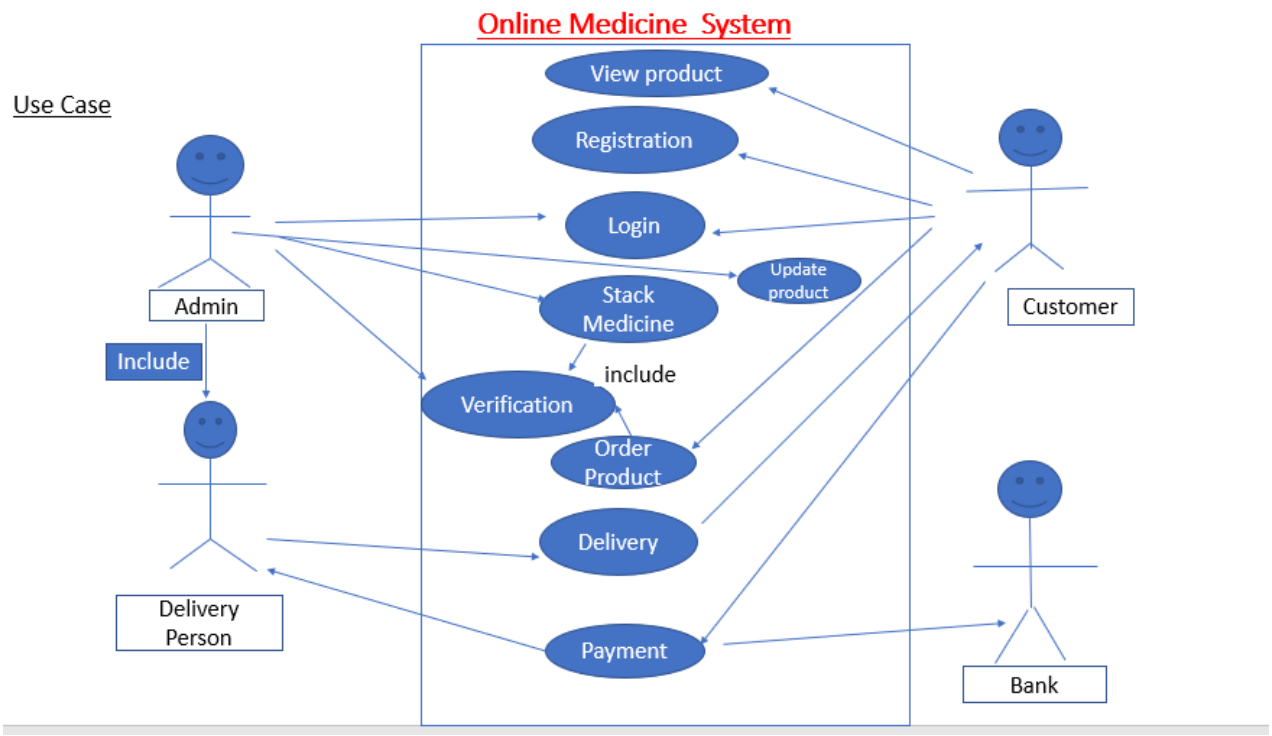
9. Update Product

Relation



System Boundary





Use Case Narrative

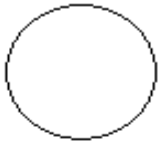
Main use case	Sub use Case	Actor	Description
Manage Account	Registration	Customer , Admin	Customer will apply for registration and admin will approve that
	Login	Customer	Customer will login to their id
	Verification	Admin	

Main Use Case	Sub use case	Actor	Description
Browse Catalog	View product	Customer	Customer can View their needed product
	Recommendation product	Customer	Customer can also see the recommendation product of our online shop
	Order Product	Customer	Selected items can be ordered by the customer.

Main use case	Sub use case	Actor	description
Manage catalog	payment	Admin	Admin can check payment update .
	Delivery	Admin ,delivery person	Delivers the product, and may also receive payment.
	Payment	Customer, delivery person, and bank	Payment can be done by digital payment or cash on delivery.
	Update Product	Admin	Add, remove product

2.2 Data Flow Diagram

Data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DFDs that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually "say" things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO. That's why DFDs remain so popular after all these years. While they work well for data flow software and systems, they are less applicable nowadays to visualizing interactive, real-time or database-oriented software or systems.

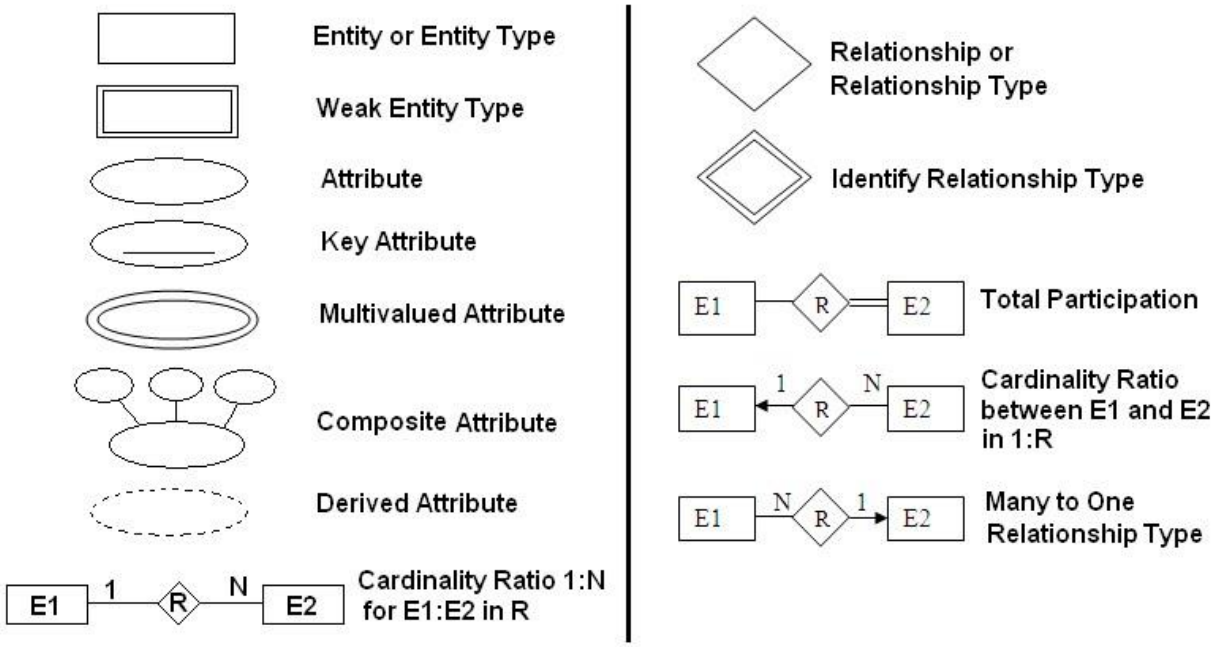
Symbol	Meaning
 Process	**Single process: A circle is used to represent the entire system.**
	**Data flow: An arrow is used to represent the flow of data between the process and external entities.**
 External entity	**External entity: A square or rectangle represents any person or organisation that sends data to or receives data from the system.**
 Data store	**Data store: An open rectangle represents the location where data is stored. It could be a filing cabinet, hard disk.**

Design

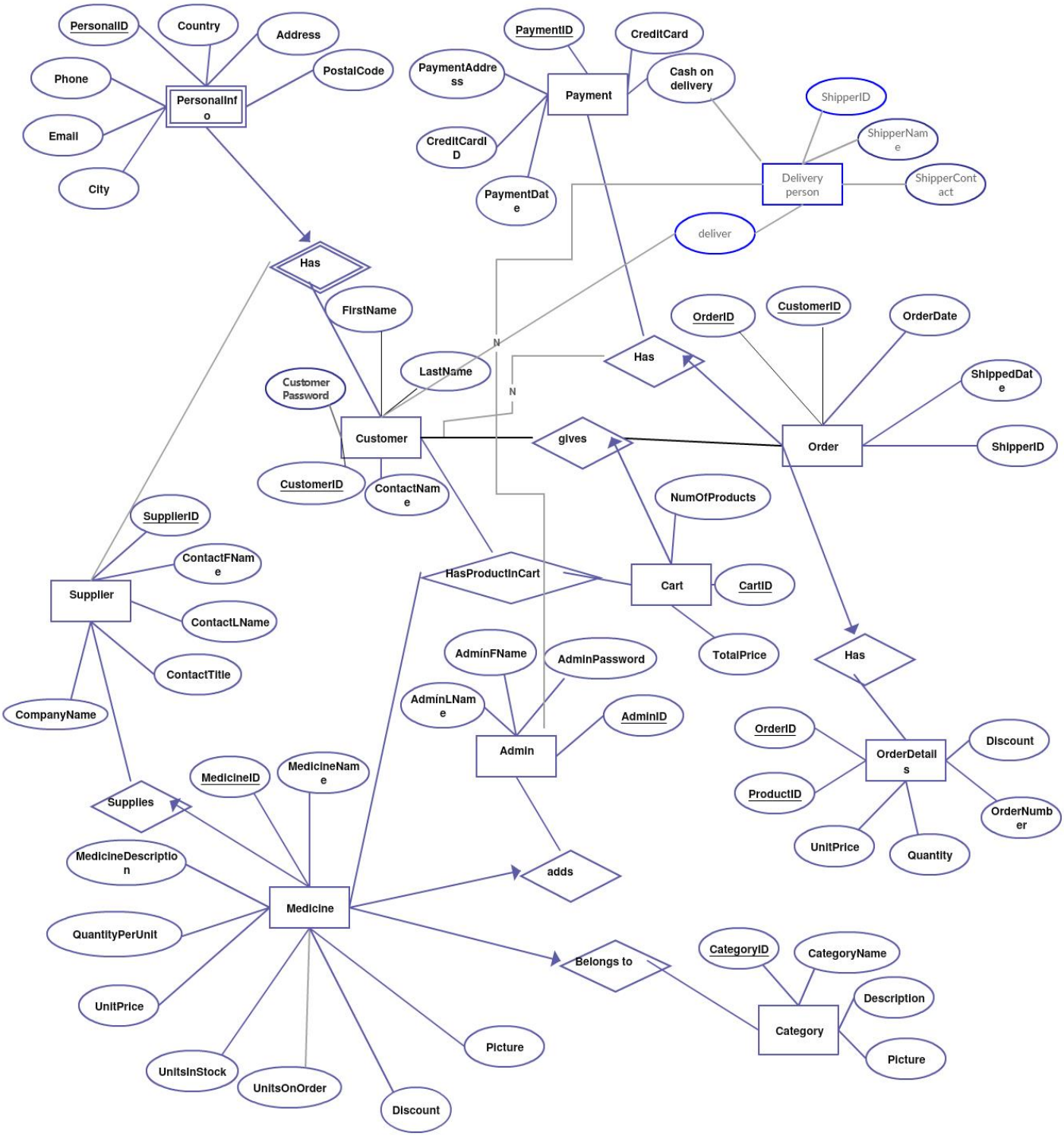
3.1.ERD Diagram

An Entity Relationship (ER) Diagram is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system. ER Diagrams are most often used to design or debug relational databases in the fields of software engineering, business information systems, education and research. Also known as ERDs or ER Models, they use a defined set of symbols such as rectangles, diamonds, ovals and connecting lines to depict the interconnectedness of entities, relationships and their attributes. They mirror grammatical structure, with entities as nouns and relationships as verbs.

Entity relationship Diagram (ERD) Symbols



Online Medicine System -ERD Diagram



Coding

Here we have used php, Html, CSS, Notepad++.

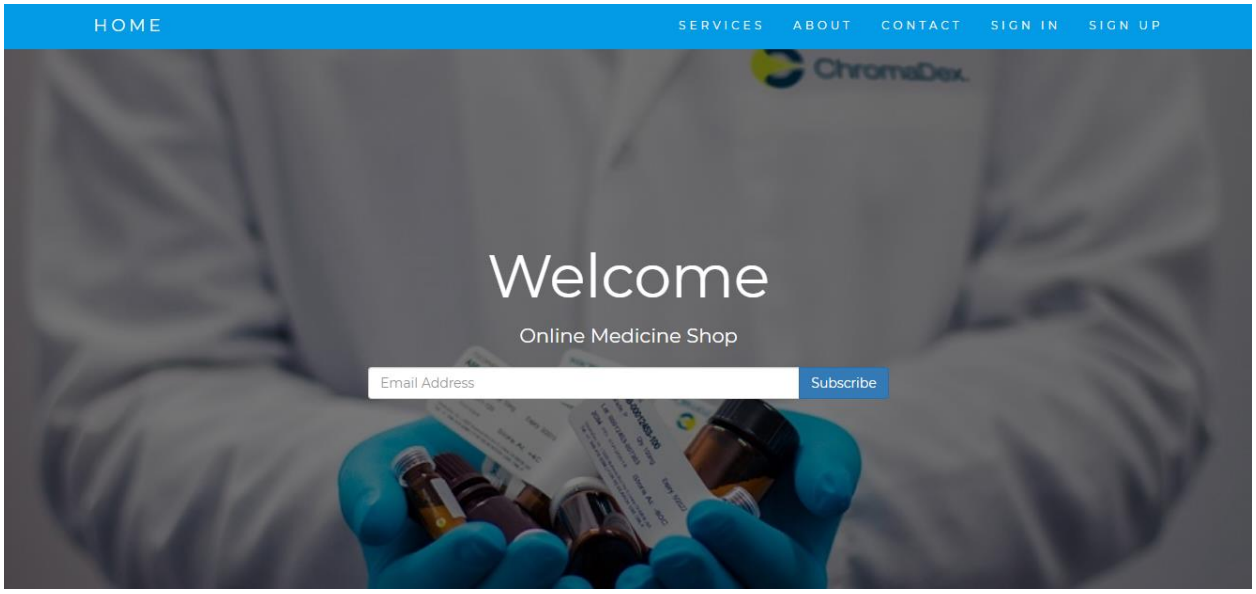
Testing

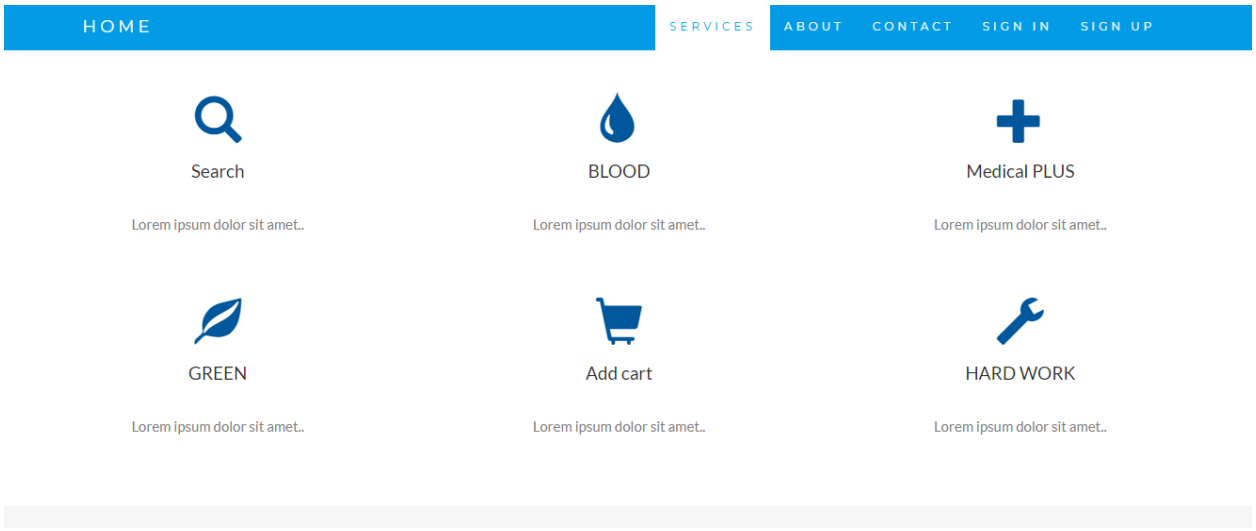
There are three types of testing mainly used in software engineering.

- Black box testing
- White box
- Grey box

As a developer we have to go through white box testing. Here we need to do the unit testing and integration testing to check all the small units and sub units works or not.

Demo





Conclusion

This is main thing for conclude identified the shop and current location for our maps, with the help of the internet connection. Using geo-located way to purchase and selected medical domain and the type of medicine lists [like Syrup, tablets, ointments] in this, as which is possible to same to buying medical cosmetic products [like, Powders, Soap, creams, etc. That may be or may not be purchase or else while purchase; this is easy way to do. Greatest solution for purchase medicine is to android application oriented.