

Farmacy

Find your medicine

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Assigned to:

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Date:

Department:

Submitted by:

Location:

Title:

E-Mail:

Reasons For Request:

- ☐ Correction of System Issues
- ☐ System Enhancement
- ☒ New System

Description of Request:

The project is all about finding the nearest pharmacy that has your medicines in stock. Will be a working application on mobile phones as well as a web application. It will be executed in about 2 years. Main target of this project is to help people in emergency and in general to find their medicines.

For Information Technology Department:

- ☒ Approved
- ☐ Modified — see attached notes
- ☐ Rejected — see attached notes

Date:	Department:
Requested by:	Location:
Contact:	E-Mail:

Problem Statement:

It's hard to find a pharmacy near you and has your needed medicine in stock.

The Proposed Solution:

The main purpose of project is to help people to find the medicine they need in the fastest time, helping medical field to grow in Egypt and saving time for our users.

The main target is Egypt, the first release will be in Kafr El Shiekh city then will spread to other city then cover all cities of the country

The product is a web application that help people to find their medicine at the nearest place to them, its interface should be simple so that any one use it easily. We can say that it's a GPS for medicine in Egypt.

Search Engine to fulfill the user needs: find the medicine.
Log in page for the pharmacy's owners who want to add their products in the database of the site

Goals:

- Make finding medicines easier.
- Help people in critical situations.
- Help medical field to grow in Egypt as the pharmacies will sell more.

Sponsored by:	Assigned to:
Date:	Start date:

Feasibility study

- **Technical feasibility:**

- Host.
- Framework like Django in Python.
- Front-end technologies like (HTML, CSS, JS).
- SQL Server.
- PCs.

- **Economic feasibility (Budgeted):**

- *We need only money for:*
 - Database (20K).
 - Finding reliable host (15K).
 - Paying for developer and designers (30K).

- **Operational feasibility:**

- Business men.
- Government.
- Big companies and TV shows.
- Volunteers.
- Analyst.

- **Schedule feasibility:**

- For the first 2 weeks:
 - Assigning team members.
 - Distribute tasks.
 - Setting budget and maintain agreements on it.
 - Outlining main ideas.
- From week 3 to week 4:
 - Choosing the technology stack.
 - Building the database.
- From week 5 to week 8:
 - Implementation of the website.
- From week 9 to week 10:
 - Testing of the website functionalities.
- From week 10 to week 15:
 - Website advertisement.
- From week 15 to week 20:
 - Website launch.

Interview Questions

Open Questions

- **What are the features that you want in the website?**

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It's a search engine to fulfill the user needs: find the medicine, log in page for the pharmacy's owners who want to add their products in the database of the site.

- **What are the types of the membership?**

There are two types of membership:

1. The users, who uses the website as a search engine to find their medicine in the nearest pharmacy to them.
2. The pharmacies's owners, who uses the website to add medicines to their profile on the website as well as update their amount of medicines in stock they have.

Closed Questions

- **Does timeline rapidly change?**

Yes.

- **What is the data you ask for from the pharmacies?**

- The pharmacy's ID, to confirm that it's a real pharmacy.
- The pharmacy's precise location on the map.
- The medicine database.
- The stock amount of each medicine.

- **What is the required information that you have to know about every pharmacy?**

The pharmacy's ID, to confirm that it's a real pharmacy.

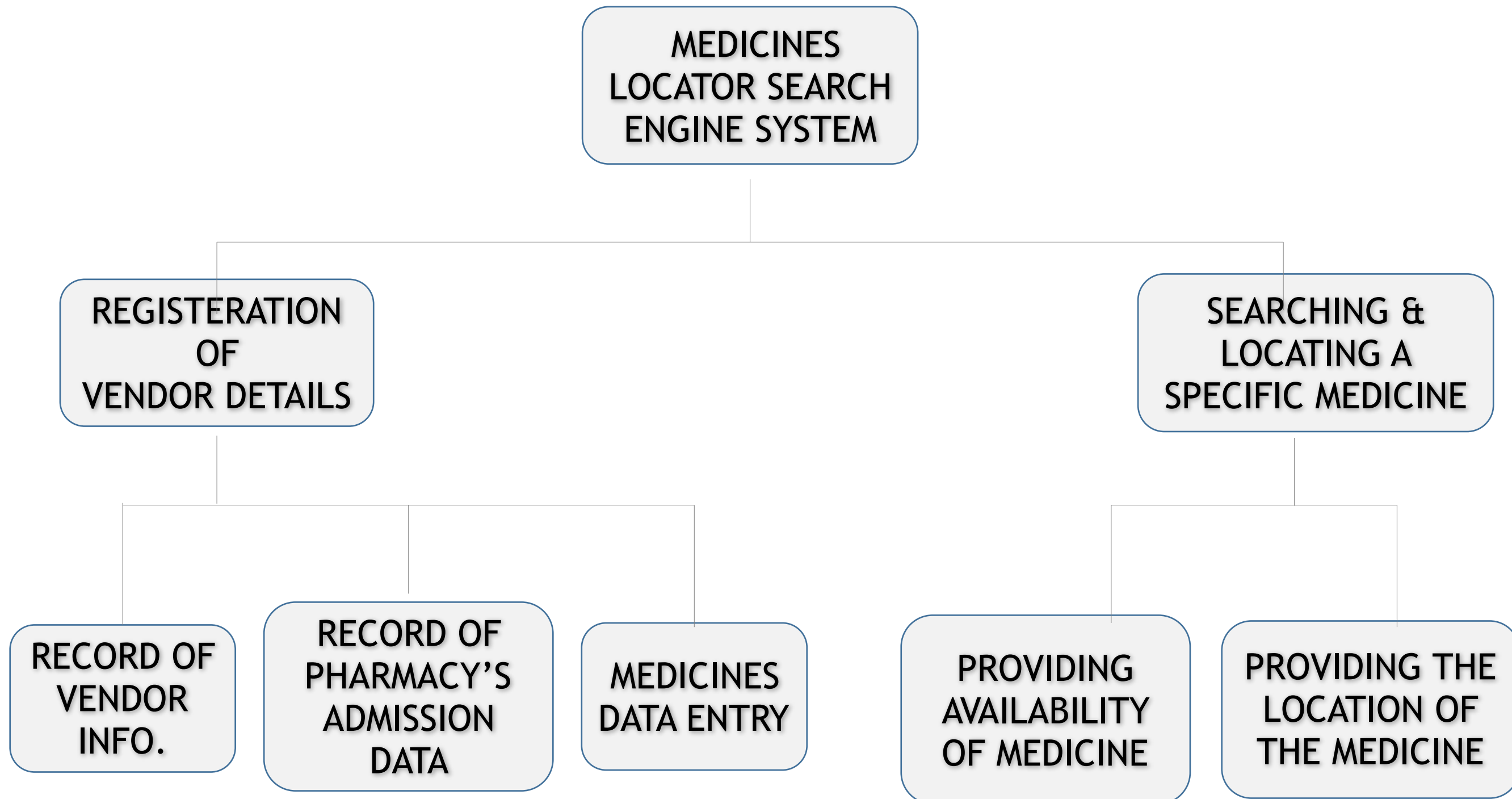
- **Do you want a back-up for the website weekly?**

Yes.

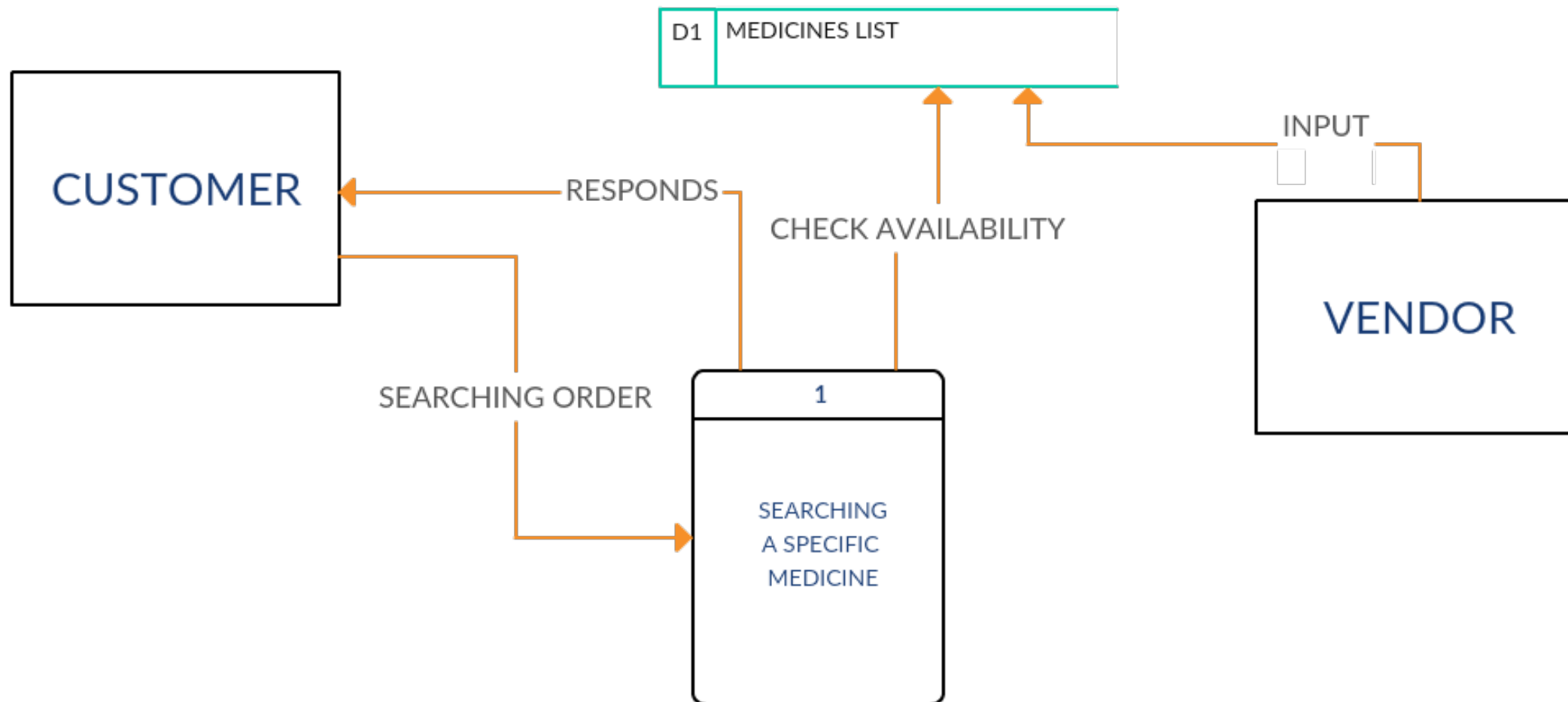
- **Does your website maintain FAQ?**

Yes.

FUNCTIONAL DECOMPOSITION DIAGRAM



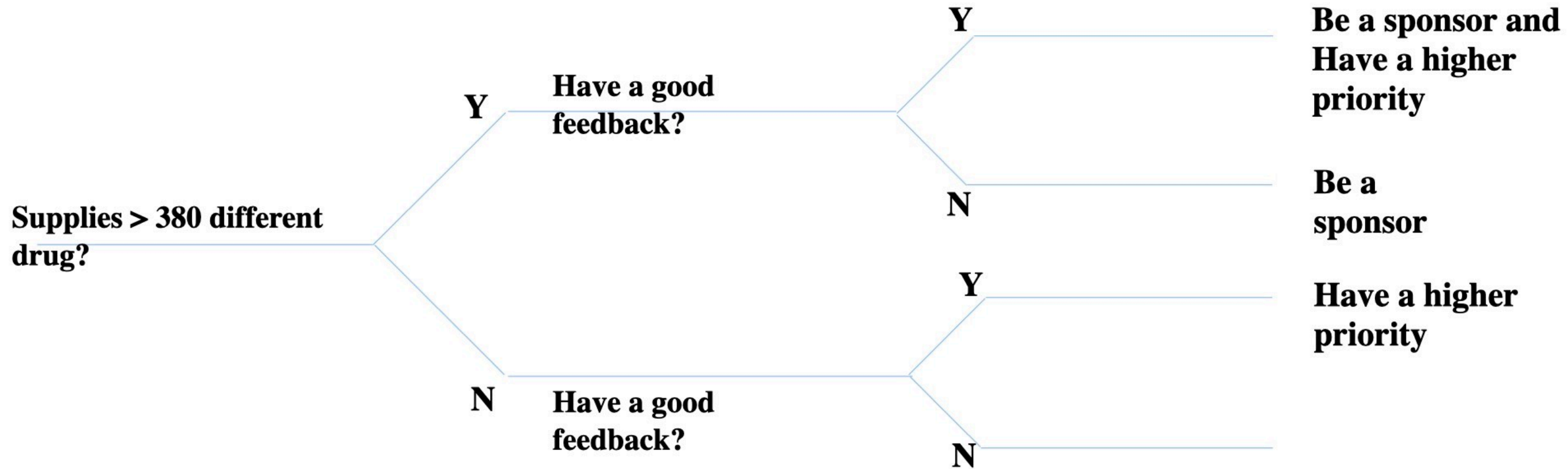
DATA FLOW DIAGRAM (DFD)



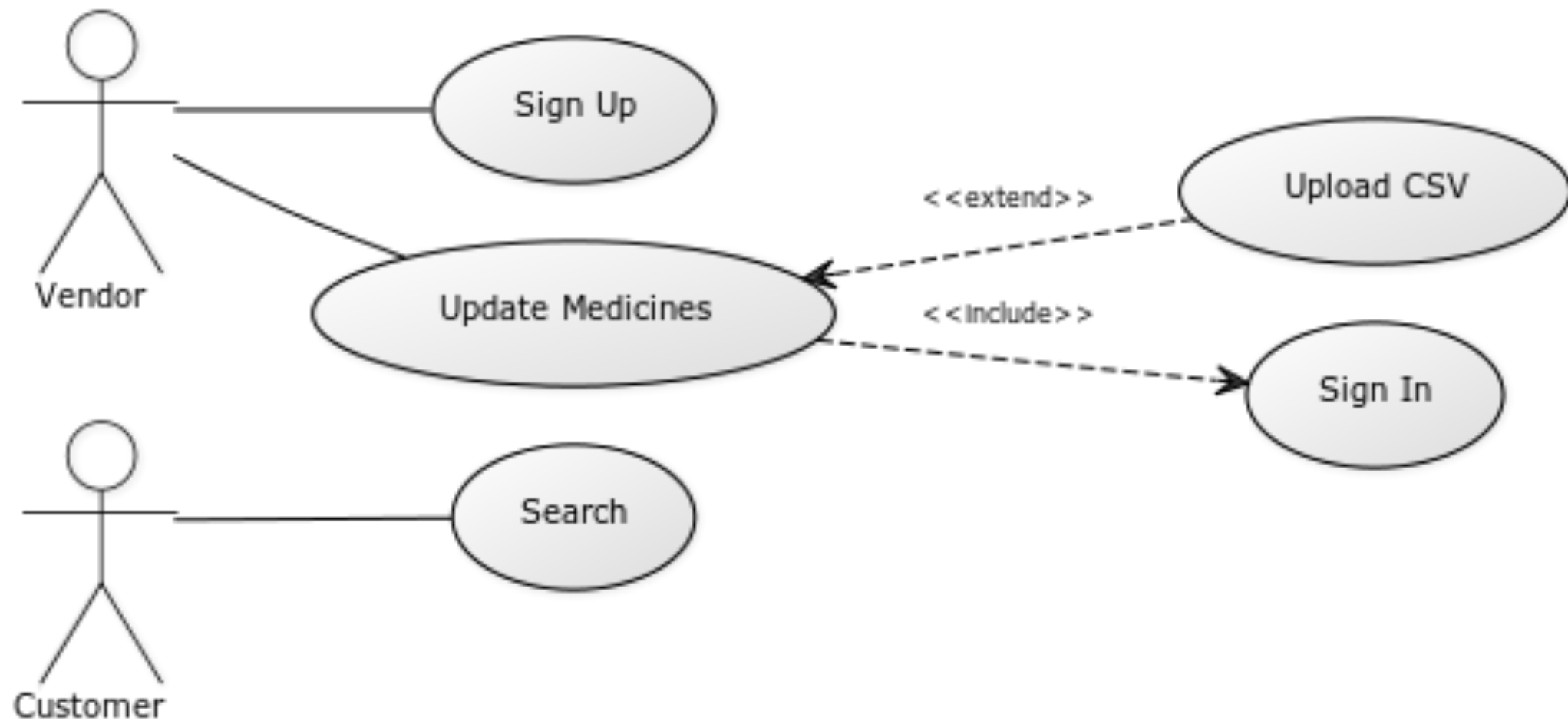
Decision Table

	1	2	3	4
Supply with more than 380 different drug	Y	Y	N	N
Pharmacy with good feedback	Y	N	Y	N
Be a limited sponsor	X	X		
Higher priority in result page	X		X	

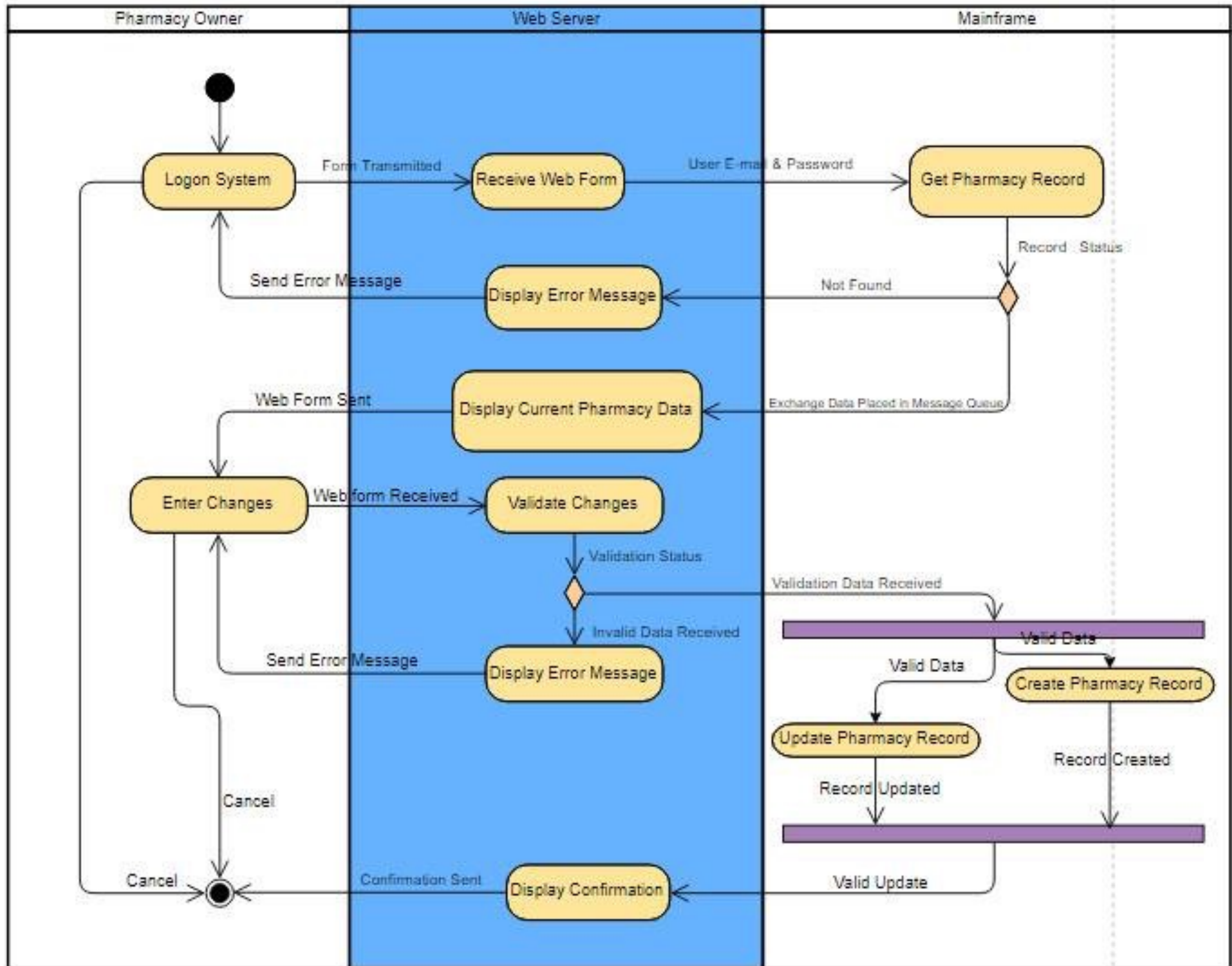
DECISION TREE



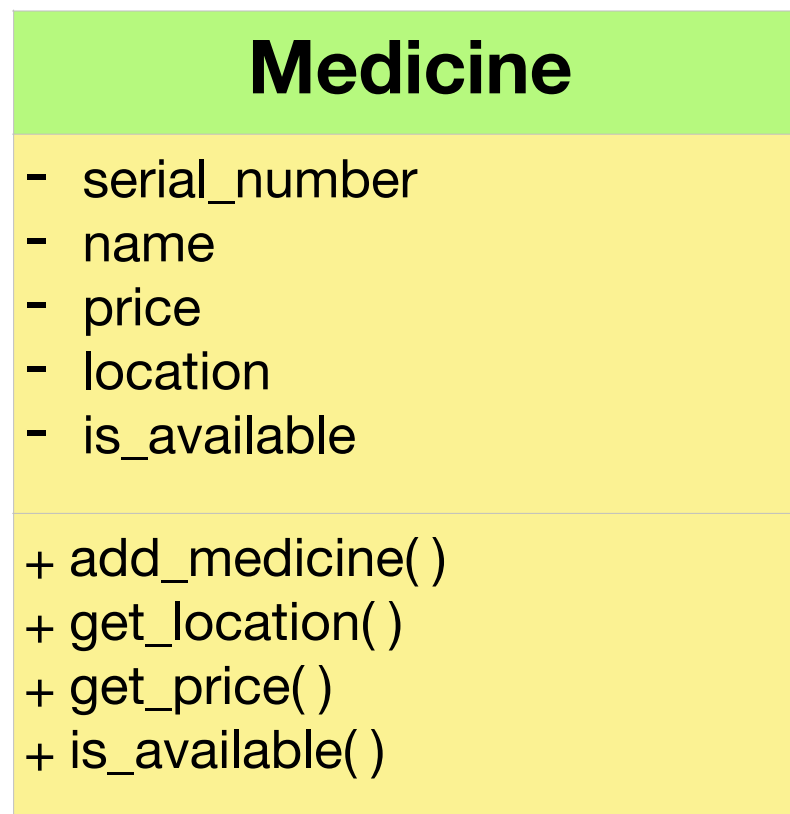
USECASE DIAGRAM



ACTIVITY DIAGRAM

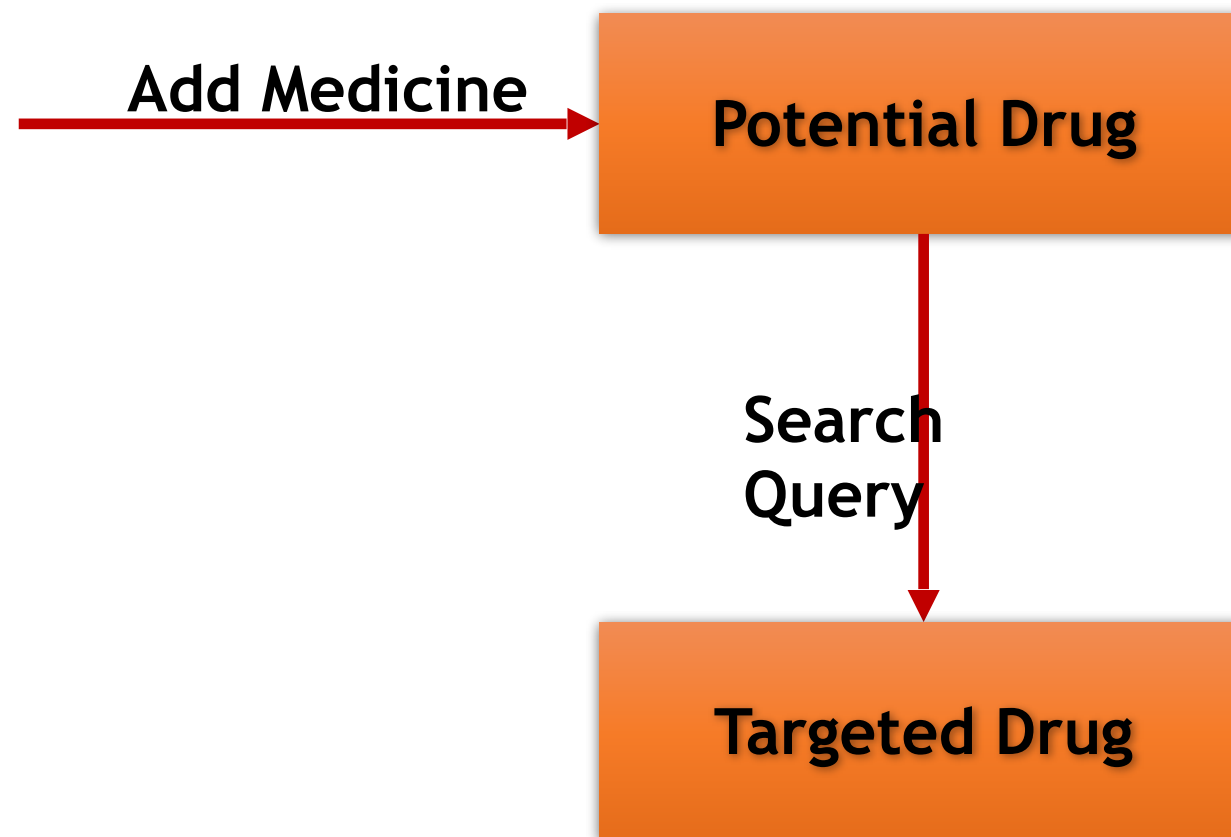


Class Diagram



State Chart

State:	Potential Drug
Event:	Add Medicine
Method:	add_medicine()
Attributes Changed:	Serial No. Name Location Availability
User interface:	Add Medicine Web Form
State:	Targeted Drug
Event:	Search query
Method:	search()
Attributes Changed:	
User interface:	Search Engine Home
Page	



Entity Relationship Diagram (ERD):

