MED +

Author (s): Abdullah, Rhea, Varvara, Yonathan **Date:** May 5, 2023

Version: 3.0

USE CASE NAME:	Search Item	**USE CASE TYPE**
USE CASE ID:	001	**Business Requirements:** ☐
PRIORITY:		
PRIMARY BUSINESS ACTOR:	User	
OTHER PARTICIPATING ACTORS:	• Pharmacy Database • Google API	
OTHER INTERESTED STAKEHOLDERS:		
SHORT DESCRIPTION:	This use case allows users to search for the medical products near the person	
PRE-CONDITION:		
TRIGGER:	User triggered	

TYPICAL COURSE OF EVENTS:	**Actor Acti**The user should be logged in**on**	**System Response**
	Step 1:	**Step 2**:
	The user provides an item to be searched	The system calls Google API to get the user's current location
	Step 3:	**Step 4:**
	The Google API updates user location.	The system calls the Google API to get the Pharmacies closest to the user's location
	Step 5:	**Step 6:**
	The Google API returns the list of Pharmacies within 5km radius of the user	The system makes a database query call to check if the pharmacies returned by the Maps API exist in the system's database
	Step 7:	**Step 8:**
	The Pharmacy database returns the intersection of the list of pharmacies returned by the Maps API and the pharmacy database sorted with increasing order of distance from the user's location	The system makes a database query call to check if the items exist in the pharmacies list of pharmacies created by the previous query
	Step 9:	**Step 10:**
	The pharmacy database returns pharmacies where the item searched by the user exist	The system displays the sorted list pharmacies returned by the database call on step 9

ALTERNATE COURSES:	For Step 3 if the user location is not accessible the system uses the recent location of the user while using the search functionality
	For Step 7 if the intersection list returned by the database query empty the system displays a message that tells the user "no pharmacy is found nearby"
	For step 9 if the item searched by the user does not exist in the pharmacies then the system returns "item does not exist"

CONCLUSION:	The search returns the pharmacies who are selling the item the user is looking for
POST-CONDITION:	NaN
BUSINESS RULES:	
IMPLEMENTATION CONSTRAINTS AND SPECIFICATIONS:	NaN
ASSUMPTIONS:	
OPEN ISSUES:	