

Use Case Name:	Access drug details using QR code	
Use case ID:	MF_04	
Use case type:	System Requirements	
Priority:	Normal	
Primary Business Actor:	Customer	
Other participating actors:	<ul style="list-style-type: none"> • Drug packaging company 	
Other interested stakeholders:	<ul style="list-style-type: none"> • Drug manufacturer • Pharmacies 	
Short description	User should be able to retrieve a drug's details by scanning the QR code on its packaging	
Pre-condition	<ul style="list-style-type: none"> • The drug's details should be stored in the drug database • The QR code should be generated and stored in the database 	
Trigger:	The user scans and follows the QR code	
Typical course of events	Actor Action	System Response
	User scans QR code	System presents the relevant URL
	User follows the URL	System presents a page with the drug's information
Alternate courses	User saves the drug into their profile after being presented with the drug's information. System responds by updating the user profile and adding that drug into their profile.	
Conclusion	User successfully retrieves drug information by scanning QR code	
Post-condition	User DB updated if the user saves the drug; unchanged otherwise.	
Business rules	Unique QR code to be printed for each drug	
Implementation constraints and specifications	<ul style="list-style-type: none"> • The drug must first be stored in the drug database • QR code must first be generated and stored in the system • User must be presented with a message if the drug has been removed from the system 	
Assumptions:	N.A.	
Open issues:	0	

Use Case Name:	Add drug to database	
Use case ID:	MF_07	
Use case type:	System Requirements	
Priority:	Normal	
Primary Business Actor:	Admin	
Other participating actors:	N.A.	
Other interested stakeholders:	N.A.	
Short description	Admin should be able to add a new drug with its details into the system's drug database	
Pre-condition	<ul style="list-style-type: none"> The drug's details are available in the specified format 	
Trigger:	The admin submits a form to add the drug to the system	
Typical course of events	Actor Action	System Response
	Admin prompts system to add drug	System presents a form to enter drug details
	Admin fills and submits the form	System validates form input
		System generates a new QR code for the drug using QR code library
		System stores the drug information in the drug database
		System displays a success msg
Alternate courses	None	
Conclusion	Admin successfully adds a new drug into the system	
Post-condition	Drug database updated with the new drug's details	
Business rules	Drug's information should be available according to set format	
Implementation constraints and specifications	<ul style="list-style-type: none"> QR code must first be generated using the QR code library before adding the drug into the database 	
Assumptions:	N.A.	
Open issues:	0	

Use Case Name:	Search for a drug	
Use case ID:	MF_05	
Use case type:	System Requirements	
Priority:	Normal	
Primary Business Actor:	Customer	
Other participating actors:	N.A.	
Other interested stakeholders:	N.A.	
Short description	User should be able to search for a drug using ingredients, manufacturer, and/or name	
Pre-condition	<ul style="list-style-type: none"> The drug's details should be stored in the drug database 	
Trigger:	The user searches for a drug using selected filters	
Typical course of events	Actor Action	System Response
	User selects the search criteria filters (manufacturer, ingredients, name)	System updates the UI with the selected criteria
	User types in search query	System presents a dropdown with suggested results
	User submits the search query	System presents a list of drugs matching the search criteria
Alternate courses	User searches for a drug that does not exist in the system. System responds by presenting a message that no drugs in the system match the criteria	
Conclusion	User successfully retrieves drug/s matching their criteria	
Post-condition	No change in the system state	
Business rules	Search tags to be associated with each drug	
Implementation constraints and specifications	<ul style="list-style-type: none"> The drug must first be stored in the drug database 	
Assumptions:	N.A.	
Open issues:	0	