Use Case: Registration				
ID: UC1				
Actors:				
1. Manufacturer				
2. Retailer	2. Retailer			
3. Transporter				
4. Dispatcher				
5. Retailer				
Preconditions:				
Actor needs to download Multichain a	nd install a node on their system			
Flow of Events:				
User	System			
1. The use case starts when user				
selects the option of Register				
	2. System generates unique			
	address for the user			
3. The user manually asks the				
admin to grant permission to				
connect using the address				
Ü				
	4. System generates unique			
	address for the user			
	5. If the admin grants the			
	permission, System registers			
	user as a node on the network			
Postconditions:				
* The node must be kept up and running.				

Alternate Flow:

Use Case: Login	
ID: UC2	
Actors:	
 Manufactur 	er
Retailer	
Transporter	
4. Dispatcher	

Preconditions:

5. Retailer

Actor needs to be registered on the Multichain.

User has to open the application.

Flow of Events:

Flow of Events.		
	User	System
1.	The use starts when the user chooses the Login Option	System displays the login screen
	The user enters the credentials User is logged in the system	4. System validates the credentials
	3,000	System displays a menu based on the user type.

Postconditions:

Alternate Flow:

- 3. User enters incorrect username and password.
 - Error message is shown to the user.
 - Use Case resumes at step 2.

Use Case: RegisterProduct		
ID: UC3		
Actors:		
 Manufacturer 		
Preconditions:		
Actor needs to download Multichain ar	nd install a node on their system.	
User has to open and login in the application	cation.	
Flow of Events:		
User	System	
 The use case starts when user selects the option of Register Product The user enters the product details and click on Register Product Button. 	System displays the Register Product Screen.	
Postconditions:	 The system generates a transaction and informs the User that product is being generated. 	
Alternate Flow:		

	Use Case: Ve	rify_Quality
ID: UC	4	
Actors	:	_
1.	Manufacturer	
2.	Retailer	
3.	Transporter	
4.	Dispatcher	
5.	Retailer	
6.	Customer	
	ditions:	
Ac	tor needs to open in the application.	
Flow o	f Events:	
	User	System
1.	The use case starts when user selects the option of Track	
	Product	
		2. System displays a page asking
		the user to enter the product ID.
3.	The user enters the product ID	
٥.	and clicks on Track Product	
	button.	
	24000111	
		4. System generates the
		information about the product.
_	The user determines to accept or	
٥.	The aser determines to accept of	

Postconditions:

product.

Alternate Flow:

- 3. -User Enters invalid product ID.
 - The system displays an error to the User.
 - Use Case resumes at step 3.

reject the product based on information generated about the

Use Case: Update_Status

ID: UC5

Actors:

1. Transporter

Preconditions:

Actor needs to download Multichain and install a node on their system. User needs to open and login into the application.

Flow of Events:

	User		System
1.	The use case starts when user selects the option of Update Status		
		2.	System displays the page of Update Status
3.	The user enters the product ID and enters the product information.		
		4.	System saves the product information on the blockchain.

Postconditions:

Alternate Flow:

- 3. -User Enters invalid product ID.
 - The system displays an error to the User.
 - Use Case resumes at step 3.