20i0925 Use Case Assignment R

Software Requirement Engineering (National University of Computer and Emerging Sciences)

National University of Computer and Emerging Sciences

Software Requirement Engineering

"Use Case Specification Assignment"

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Section:	R
Subject:	Software Requirement Engineering
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Submitted to:	Ms. Shafaq Riaz

Section	Content
Designation	UC-12-37
Name	Login/Signup
Description	The system will allow staff members, managers and the owner to sign-up or log-in to their respective accounts
Authors	Rehan Bashir
Priority	Importance for system success: high Technological risk: low
Criticality	High
Source	Harry Mike
Responsible	Rehan Bashir
Trigger event	• The user clicks on the login/signup button • The user tries to access something that requires authorization
Actors	Administration, Employee, Supermarket Server
Pre-Condition	The management system is turned on
Post-condition	The user has navigated to someplace other than the login/sign up page
Result	Legitimate access to authorized services
Main scenario	1. The system asks user for login credentials (Username and Password). 2. If the user is not currently signed up, then they can sign up. 3. The system searches data matching the username and password that have been input. 4. Navigate to the screen the user was previously on in event of successful login
Alternative scenario	2a. Registration of the user 2a1. Ask the user for details about them 2a2. The system adds the details and password to the server
Exception scenarios	The system does not recognize the input username and password in the server.
Qualities	QR.03 (The services should be available all the time)

	QR.10 (The system should be reliable)
Section	**Content**
Designation	UC-12-47
Name	Automatic Message for the items low in stock
Description	The system generates an automated message for the items low in stock and sends it to the registered account of administration.
Author	Rehan Bashir
Priority	Importance for system success: high Technological risk: medium
Criticality	High
Source	Robert Schmidt
Responsible	Rehan Bashir
Trigger event	The system notices an item low in stock
Actors	Administration, Supermarket Server
Pre-Condition	The stock for item(s) is low and the management system is on
Post-condition	The system goes back to monitoring other items
Result	A message is generated and displayed
Main scenario	1. The system recognizes that an item is low on stock (by the logs from inventory) 2. If any item is low on stock, the system generates a message about the specific item 3. The message is then sent to all the users with the correct authorization (Administration)
Alternative scenario	
Exception scenarios	The system does not recognize the item that is low on stock, it notifies the user about it
Qualities	QR.03 (The services should be available all the time) QR.10 (The system should be reliable)
Section	**Content**
Designation	UC-12-56
Name	Suggest Discounts

Description	The system will suggest discounts to the owner for the items which were not very popular and for those items whose expiry dates are near.
Author	Importance for system success: medium Technological risk: low
Criticality	Medium
Source	John Cena
Responsible	Rehan Bashir
Trigger event	Item(s) is/are getting close to expiry or are not that popular
Actors	Administration, Supermarket Server
Pre-Condition	The system is on and there are some items which are near expiration or are unpopular
Post-condition	Prices are updated for item(s)
Result	A message displaying that the discount has been added for item(s)
Main scenario	1. The user is notified about a batch of items that is unpopular or is about to have its expiry near 2. The user then sets the discount for the item 3. The server is then updated with a new price for that item
Alternative scenario	2a. The system suggests a discount to the user
Exception scenarios	The system alerts the user when an amount of discount is entered which is more than half of the original price e.g 90% *as it would not benefit the business
Qualities	QR.08 (The system should update immediately everywhere)
Section	**Content**
Designation	UC-12-41
Name	Modifying Inventory
Description	The system will allow the user to modify any ambiguous information of any item
Author	Importance for system success: high

	Technological risk: medium
Criticality	Medium
Source	James Micheal
Responsible	Rehan Bashir
Trigger event	The user wishes to change the details of item(s) in an inventory
Actors	Administration, Supermarket Server
Pre-Condition	The management system is on and running
Post-condition	The system has been updated with new information
Result	The system alerts user of what information has been changed.
Main scenario	1. The logged in user goes over to the section where they have access to different features 2. The screen would display a list of items that the user can alter 3. The system will give spaces for things that can be changed 4. Upon pressing update, the server is updated with modified information.
Alternative scenario	
Exception scenarios	The system alerts the user when a quantity for an item is beyond a set limit e.g 999
Qualities	QR.10 (The system should be reliable) QR.08 (The system should update immediately everywhere)

Section	**Content**
Designation	UC-12-44
Name	Automatic Report Generator for the Day
Description	The system generates an automated report daily of how the sales went and sends it to the owner on his respective account.
Author	Importance for system success: high Technological risk: low
Criticality	High-Medium

Source	Conner John
Responsible	Rehan Bashir
Trigger event	The working day is about to end i.e the time is 11 PM
Actors	Administration, Supermarket Server
Pre-Condition	The system is on and the internal clock is at 11 PM
Post-condition	A report has been generated
Result	A report is available on the screen of the user
Main scenario	1. The system recognizes that it is the end of the day through its internal clock 2. The system compiles the data that it has collected throughout the day 3. The system then learns trends and generates a report accordingly
Alternative scenario	
Exception scenarios	The system cannot generate totally accurate information. Any tampering on data would reflect in the report
Qualities	QR.11 (Should be reliable with data that is being collected)