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COMP 3700

Project 2

1. Use Cases

1.1 Common Use Case

A. Load and update existing product successfully to the system

B. Actors: Owner, manager, employee

C. Goals: Load and Update product to the system

D. Preconditions: System in the main screen

E. Summary: Load and update product in system

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Configure product”   Display Main Screen | 1. Display “Configure Product” Screen   “Configure Product” screen |
| 1. Input product ID then click “Load” button   “Load Product” screen | 1. Text is loaded   “Load Product” screen |
| 1. Edit wanted fields to be updated and click update screen   “Update Product” | 1. Display “Update Product Succesfully” screen |
| 1. Click “OK” | 1. Display Main screen |

1.2 Use Case Exception

A. Update product failure to the system

B. Actors: Owner, manager, employee

C. Goals: Failure to add new product to the system

D. Preconditions: System in the main screen

E. Summary: Failure to update product in system

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Configure product”   Display Main Screen | 1. Display “Configure Product” Screen   “Configure Product” screen |
| 1. Input nonexisting productID then click “Load” button   “Load Product” screen | 1. Hide “Load Product” screen and display ERROR MESSAGE pertaining to specific error   “Display error message” screen |
| 1. Click on “Ok” button | 1. Display “Configure Product” screen, fix errors, and attempt to Load and Update product again. |
| 1. If success, Display “Main Screen”   Display Main Screen | |

Use Case:

2.1 Successfully Update customer to the system

A. Load and Update customer to the system

B. Actors: Owner, manager, employee

C. Goals: Update new customer to the system

D. Preconditions: System in the main screen

E. Summary: Load and Update customer in system

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Configure Customer”   Display Main Screen | 1. Display “Configure Customer” Screen   Configure Customer screen |
| 1. Input customer ID then click “Load” button   “Load Customer” screen | 1. Load Customer and display given information   “Load Customer” screen |
| 1. Edit certain fields and click “Update” button | 1. Display “Update Successfully Screen” |
| 1. Click “OK” button | 1. Display Main Screen |

Use Case:

2.2 Failure to Load and Update customer to system Exception

A. Load nonexistent customer to the system exception

B. Actors: Owner, manager, employee

C. Goals: Add new customer to the system

D. Preconditions: System in the main screen and user inputs incorrect information

E. Summary: Failure to load and update customer in system

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Configure Customer”   Display Main Screen | 1. Display “Configure Customer” Screen   “Configure Customer” screen |
| 1. Input INCORRECT customerID then click “Load” button   “Load Customer” screen | 1. Hide “Add Customer” screen and display ERROR MESSAGE pertaining to specific error   “Display error message” screen |
| 1. Click on “Ok” button | 1. Display “Configure Customer” screen, fix errors, and attempt to load and then update customer again |
| 1. If success, Display “Main Screen”   Display Main Screen | |

Use Case: Update purchase to system

3.1 Successfully load and update purchase to system

A. Update purchase from customer to the system

B. Actors: Owner, manager, employee

C. Goals: Update purchase to the system

D. Preconditions: System in the main screen

E. Summary: Load and update purchase in system

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Add purchase”   Display Main Screen | 1. Display “Configure Purchase” Screen   Configure Purchase screen |
| 1. Input purchase ID then click “Load” button   “Configure Purchase” screen | 1. Display purchase information after load button has been clicked |
| Edit parameters to be updated and click update button | 1. Hide “Configure Purchase” screen and display “Configure Purchase”   “Updated Purchase Successfully” screen |
| 1. Click on “Ok” button | 1. If success, Display “Main Screen”   Display Main Screen |

3.2 Failure to add purchase to the system

A. Failure to load and update purchase from customer to the system

B. Actors: Owner, manager, employee

C. Goals: Record purchase to the system

D. Preconditions: System in the main screen and user inputs invalid information

E. Summary: Failure to load and update purchase in system

G. Steps:

|  |  |
| --- | --- |
| Actor | System |
| 1. Choose command “Configure purchase”   Display Main Screen | 1. Display “Configure Purchase” Screen   Configure Purchase screen |
| 1. Input INVALID purchase id then click “load” button   “load” screen | 1. Hide “Configure Purchase” screen and display ERROR MESSAGE pertaining to specific error   “Display error message” screen |
| 1. Click on “Ok” button | 1. Display “Configure Purchase” screen, fix errors, and attempt to load customer again, if success edit and update from previous use case |
| 1. If add product success use case is achieved, display “Main Screen”   Display Main Screen | |

Database Idea:

