

Informatics Institute of Technology
Department of Computing
Object Oriented Programming
Test Plan

Module : 5COSC019C Object Oriented Programming Module

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Test Cases

	Test Case	Expected Result	Actual Result	Pass/Fail
1	Adding a new product to the system. Case 01	Displaying that the product was added successfully to the system. And checking if the product list is less than 50. The message displaying: "The product added successfully"	Displaying that the product was added successfully to the system. And checking if the product list is less than 50. The message displaying: "The product added successfully"	Pass
2	Delete a product that is added to the system. Case 02	Deleting a product that is already added to the system. And displaying a message with the details of the deleted product. Also, the total number of products has left in the system.	Deleting a product that is already added to the system. And displaying a message with the details of the deleted product. Also, the total number of products has left in the system.	Pass
3	Printing the list of the products that is in the system. Case 03	Printing the added product's list on the screen. Printing whether the product is electronic or clothing. The product list is printing in alphabetical order according to the product's product ID.	Printing the added product's list on the screen. Printing whether the product is electronic or clothing. The product list is printing in alphabetical order according to the product's product ID.	Pass
4	Save the list of products in a file that have been added to the system. Case 04	When the application starts it is reading the details of the file and continuing the system to use.	When the application starts it is reading the details of the file and continuing the system to use.	Pass

Discussion

1. Test case 01:

The system will add the product to the system successfully. The system asks from the user to enter the weather the product is a electronic one or clothing one. And it will ask to enter the product's Id number, product's name, number of items that is adding and the product's price. Other than that system will ask to enter warranty period in months and the brand if the product is an electronic one. If the product is a clothing one the system will ask to enter the colour and the size. When the product is adding to the system the system will check if the product list is fill with 50 products. Then if the product list has space to add product to the system, then it will add the product and displaying a message "Product added successfully". If the list of products is filled with 50 products, then system will warn the "The product list is reached the maximum product level".

2. Test case 02:

In this case the system will ask to enter the product's Id number which that you want to remove. After the system will delete the product and displaying a message with the details of deleted product and displaying how many products are left in the system. "The product is deleted successfully".

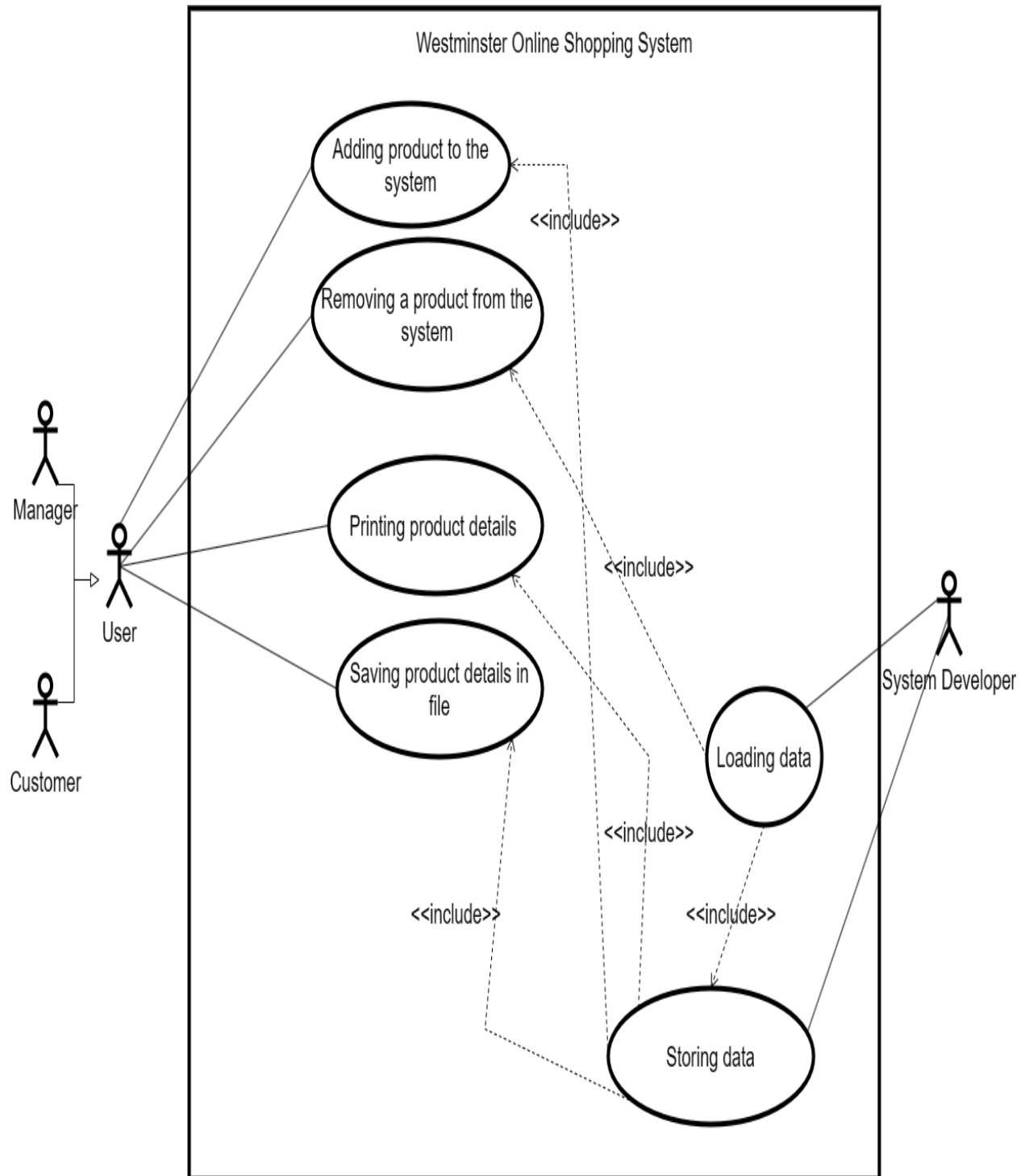
3. Test case 03:

According to this test case system will print all the products that is in the product list. And also, the system will show the details of each product and displaying the product type. The system will be showing all the products in the product list as the order of the alphabetics.

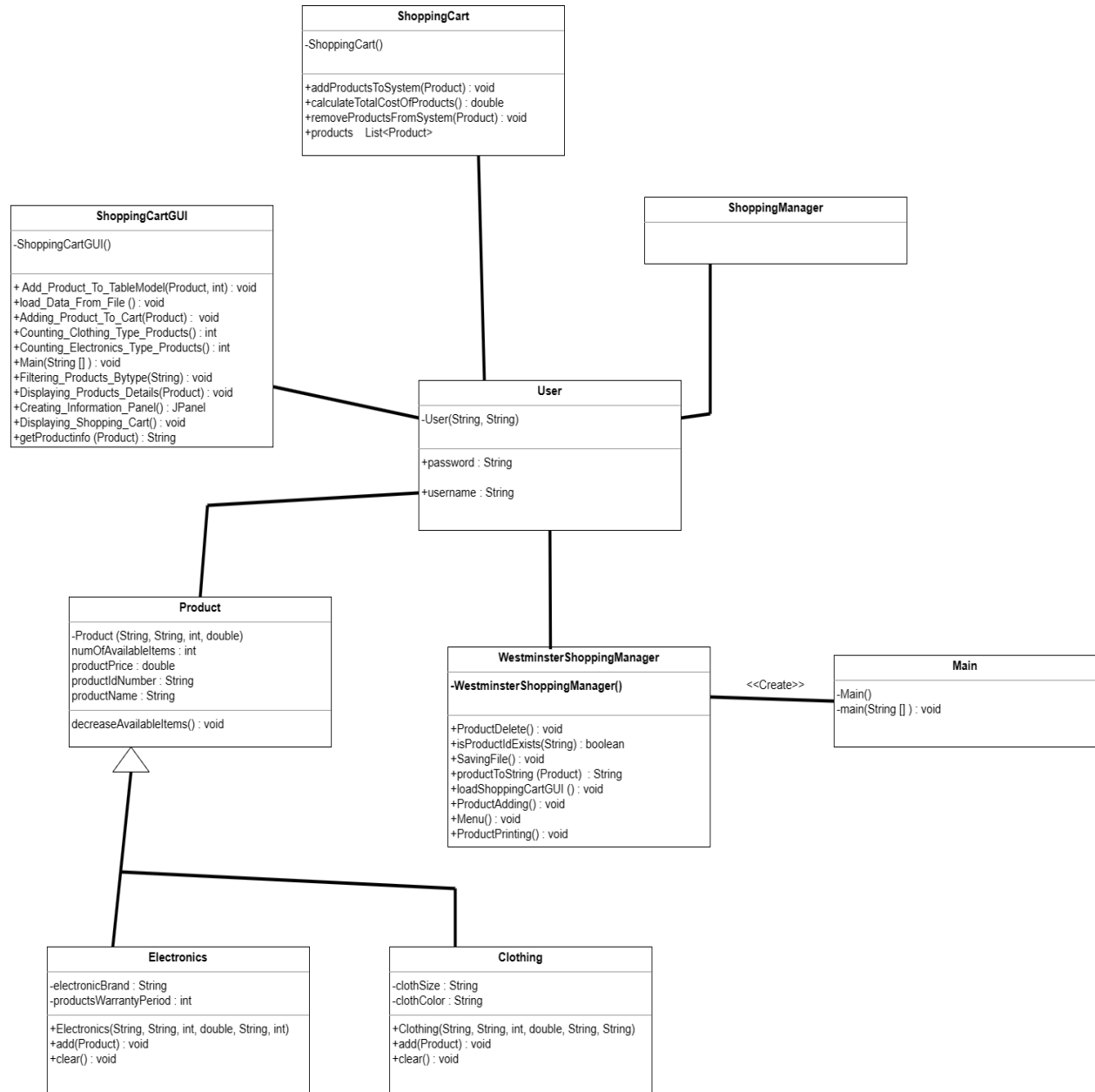
4. Test case 04:

In this test case the system will save the products in a system with all the product's details. When the system is restarting again the program will read back all the information in the saved text file and continue to use the system again.

Use Case Diagram for the system



Class Diagram for the system



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