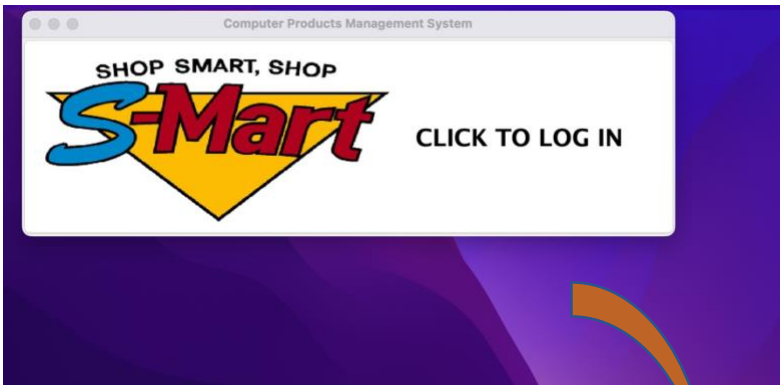
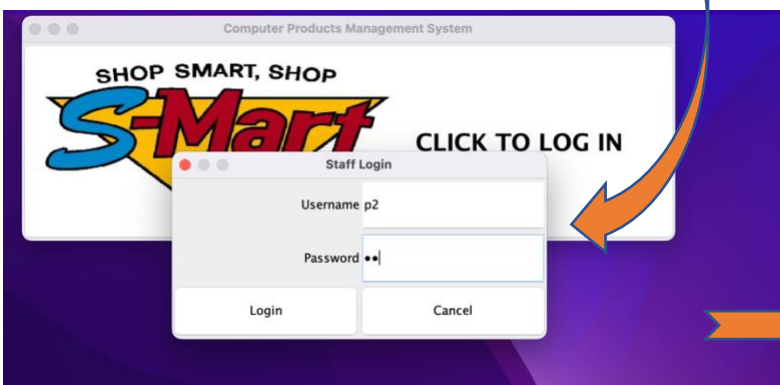


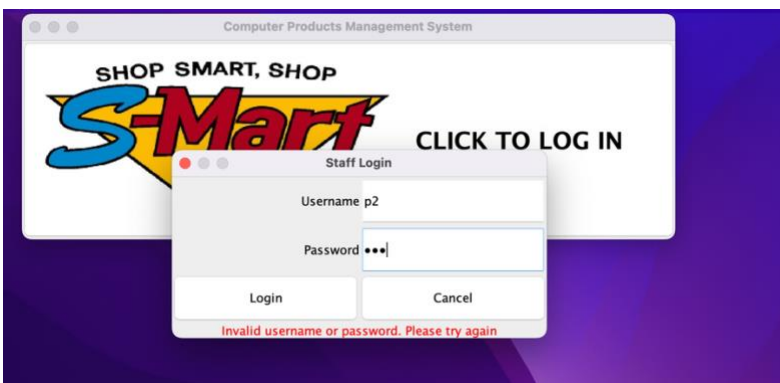
OOP Assignment 3 Storyboard



Click 'login' icon button



Log in as salesperson if valid username and password entered



Access is denied if incorrect username or password used.

Computer Products Management System

Browse Products


Selected Product Details

Computer Category: All

Computer Type:

Category	Type	ID	Brand	CPU Family	Price (\$)
Desktop PC	Gaming	DTPCG1	GGPC	Intel Core i5	2199.0
Desktop PC	Gaming	DTPCG2	DELL	Intel Core i9	8449.0
Desktop PC	Gaming	DTPCG3	ASUS	AMD Ryzen 7	2799.0
Desktop PC	Home & Study	DTPCHS1	PB	AMD Ryzen 7	1263.0
Desktop PC	Home & Study	DTPCHS2	PB	Intel Core i5	1598.0
Desktop PC	Home & Study	DTPCHS3	PB	AMD Ryzen 7	1099.0
Desktop PC	Business	DTPCB1	PB	Intel Core i7	1498.0
Desktop PC	Business	DTPCB2	HP	Intel Core i5	1555.0
Desktop PC	Business	DTPCB3	LENOVO	AMD Ryzen 5	1242.0
Desktop PC	Business	DTPCB4	HP	Intel Core i3	1006.0
Desktop PC	Compact	DTPCC1	APPLE	Apple	1158.0
Desktop PC	Compact	DTPCC2	APPLE	Apple	1498.0
Desktop PC	Compact	DTPCC3	HP	Intel Core i5	1555.0
Desktop PC	Compact	DTPCC4	LENOVO	AMD Ryzen 5	1242.0
Laptop	Business	LTB1	HP	Intel Core i5	1647.0
Laptop	Business	LTB2	APPLE	Apple	4299.0
Laptop	Business	LTB3	LENOVO	AMD Ryzen 5	1787.0
Laptop	Business	LTB4	ASUS	Intel Core i7	1552.0
Laptop	Home & Study	LTHS1	APPLE	Apple	1728.0
Laptop	Home & Study	LTHS2	LENOVO	Intel Core i5	954.0
Laptop	Home & Study	LTHS3	MICROSOFT	Intel Core i5	1189.0
Laptop	Thin & Light	LTSL1	APPLE	Apple	1728.0
Laptop	Thin & Light	LTSL2	APPLE	Apple	2499.0
Laptop	Gaming	LTG1	ASUS	Intel Core i5	1840.0
Laptop	Gaming	LTG2	HP	AMD Ryzen 5	1307.0

SHOP SMART, SHOP



CLICK TO LOG OUT

List of all computers

Computer Products Management System

Browse Products


Selected Product Details

Computer Category: Desktop PC

Computer Type: All

Category	Type	ID	Brand	CPU Family	Price (\$)
Desktop PC	Gaming	DTPCG1	GGPC	Intel Core i5	2199.0
Desktop PC	Gaming	DTPCG2	DELL	Intel Core i9	8449.0
Desktop PC	Gaming	DTPCG3	ASUS	AMD Ryzen 7	2799.0
Desktop PC	Home & Study	DTPCHS1	PB	AMD Ryzen 7	1263.0
Desktop PC	Home & Study	DTPCHS2	PB	Intel Core i5	1598.0
Desktop PC	Home & Study	DTPCHS3	PB	AMD Ryzen 7	1099.0
Desktop PC	Business	DTPCB1	PB	Intel Core i7	1498.0
Desktop PC	Business	DTPCB2	HP	Intel Core i5	1555.0
Desktop PC	Business	DTPCB3	LENOVO	AMD Ryzen 5	1242.0
Desktop PC	Business	DTPCB4	HP	Intel Core i3	1006.0
Desktop PC	Compact	DTPCC1	APPLE	Apple	1158.0
Desktop PC	Compact	DTPCC2	APPLE	Apple	1498.0
Desktop PC	Compact	DTPCC3	HP	Intel Core i5	1555.0
Desktop PC	Compact	DTPCC4	LENOVO	AMD Ryzen 5	1242.0

SHOP SMART, SHOP



CLICK TO LOG OUT

Can select and display computers from any category

Computer Products Management System

Browse Products Selected Product Details

Computer Category: Laptop

Computer Type: Home & Study

Category	Type	ID	Brand	CPU Family	Price (\$)
Laptop	Home & Study	LTHS1	APPLE	Apple	1728.0
Laptop	Home & Study	LTHS2	LENOVO	Intel Core i5	954.0
Laptop	Home & Study	LTHS3	MICROSOFT	Intel Core i5	1189.0

SHOP SMART, SHOP
S-Mart CLICK TO LOG OUT

Can select and display computers from any category and the relevant sub-type

Can select a row to check the details of a particular computer

Computer Products Management System

Browse Products Selected Product Details

Model ID: LTHS1

Category: Laptop

Type: Home & Study

Brand: APPLE

CPU Family: Apple

Memory Size: 8

SSD Capacity: 256

Screen Size: 13.3

Price: 1728.0

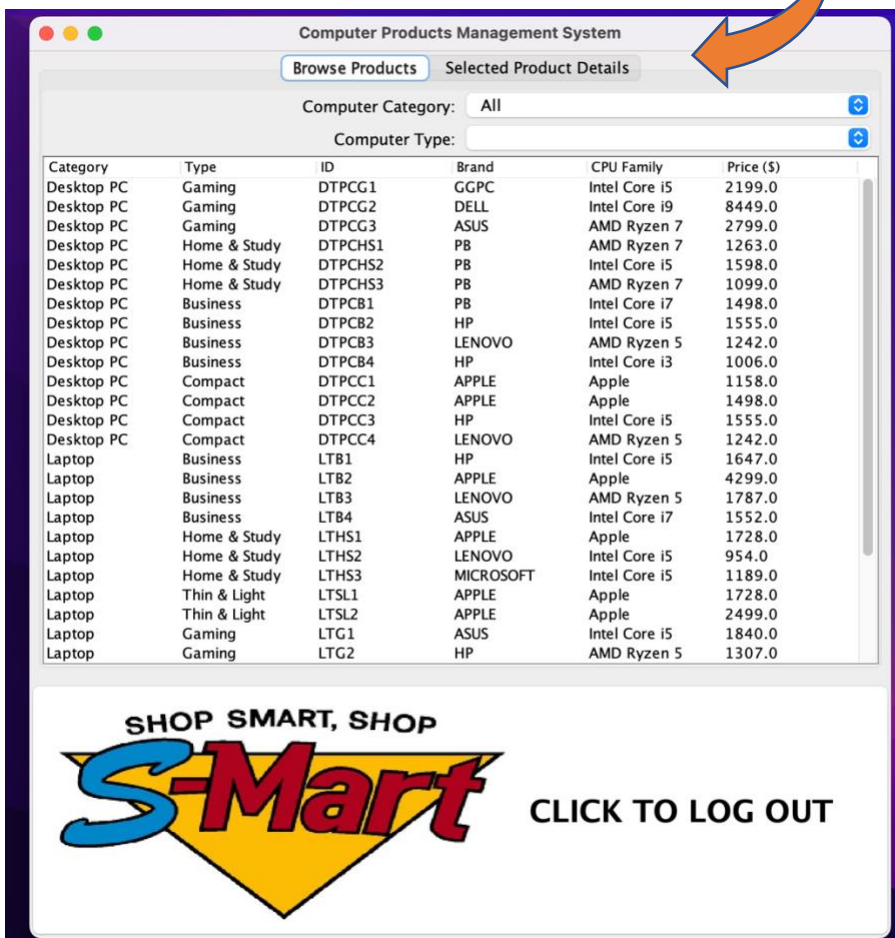
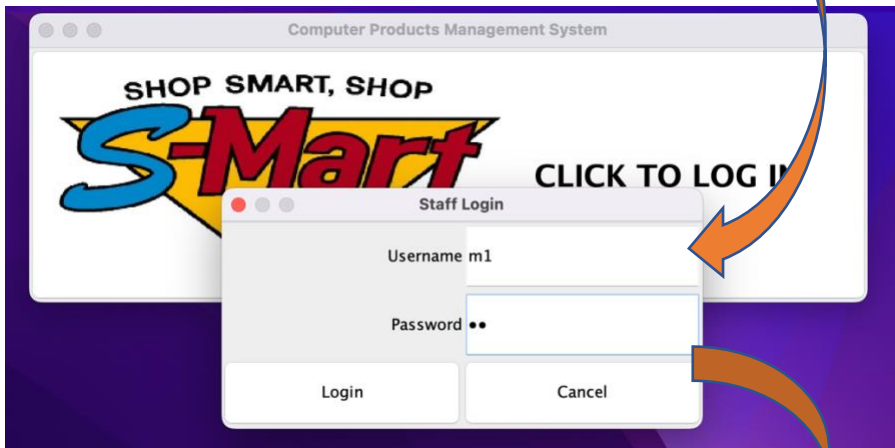
Add Update

Delete Clear

SHOP SMART, SHOP
S-Mart CLICK TO LOG OUT

Note that all editing functions are disabled for a salesperson

Clicking the 'logout' icon button will return user to the pre-login screen



Logging in as a manager will enable both the 'Browse' and 'Selected Product Details' tabs

Computer Products Management System

Browse Products Selected Product Details

Computer Category: Tablet

Computer Type: All

Category	Type	ID	Brand	CPU Family	Price (\$)
Tablet	Android	TBAD1	LENOVO	Snapdragon	214.0
Tablet	Android	TBAD2	LENOVO	Mediatek	578.0
Tablet	Apple	TBAP1	APPLE	Apple	819.0
Tablet	Apple	TBAP2	APPLE	Apple	878.0
Tablet	Apple	TBAP3	APPLE	Apple	2499.0
Tablet	Windows	TBWD1	MICROSOFT	Intel Pentium	694.0
Tablet	Windows	TBWD2	MICROSOFT	Intel Core i5	1798.0

SHOP SMART, SHOP
S-Mart CLICK TO LOG OUT

A manager can use all the search functions that a salesperson can

Computer Products Management System

Browse Products Selected Product Details

Model ID: TBAD1

Category: Tablet

Type: Android

Brand: LENOVO

CPU Family: Snapdragon

Memory Size:

SSD Capacity:

Screen Size: 10.0

Price: 214.0

Add Update

Delete Clear

SHOP SMART, SHOP
S-Mart CLICK TO LOG OUT

Logging in as a manager will enable all the text fields and the buttons on the 'Selected Product Details' tab. Depending on the category, different text fields will be cleared and disabled.

Computer Products Management System

Browse Products Selected Product Details

Model ID: TBAD1_NEW_MODEL_1

Category: Tablet

Type: Android

Brand: LENOVO_NEW_1

CPU Family: Snapdragon_NEW_1

Memory Size:

SSD Capacity:

Screen Size: This needs to be a number

Price: This needs to be a number

Add Update

Delete Clear

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

A manager can click 'Add' to add a new computer product. Numerical text fields require numerical input. A warning will appear if text is entered. A similar warning will appear if the "Model ID" is not unique.

Computer Products Management System

Browse Products Selected Product Details

Model ID: TBAD1_NEW_MODEL_1

Category: Tablet

Type: Android

Brand: LENOVO_NEW_1

CPU Family: Snapdragon_NEW_1

Memory Size:

SSD Capacity:

Screen Size: 15

Price: 999.99

Add Update

Delete Clear

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

Message

The record for the product was successfully added.

OK

A pop-up window confirms successful addition of new product

Computer Products Management System

Browse Products Selected Product Details

Computer Category: Tablet

Computer Type: All

Category	Type	ID	Brand	CPU Family	Price (\$)
Tablet	Android	TBAD1	LENOVO	Snapdragon	214.0
Tablet	Android	TBAD2	LENOVO	Mediatek	578.0
Tablet	Apple	TBAP1	APPLE	Apple	819.0
Tablet	Apple	TBAP2	APPLE	Apple	878.0
Tablet	Apple	TBAP3	APPLE	Apple	2499.0
Tablet	Windows	TBWD1	MICROSOFT	Intel Pentium	694.0
Tablet	Windows	TBWD2	MICROSOFT	Intel Core i5	1798.0
Tablet	Android	TBAD1_NEW_MO...	LENOVO_NEW_1	Snapdragon_NE...	999.99

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

The newly added computer's details are reflected in the list

Computer Products Management System

Browse Products Selected Product Details

Model ID: Must be an existing model ID

Category: Tablet

Type: Apple

Brand: LENOVO_NEW_1_1

CPU Family: Snapdragon_NEW_1_1

Memory Size:

SSD Capacity:

Screen Size: 21

Price: 2500

Add Update

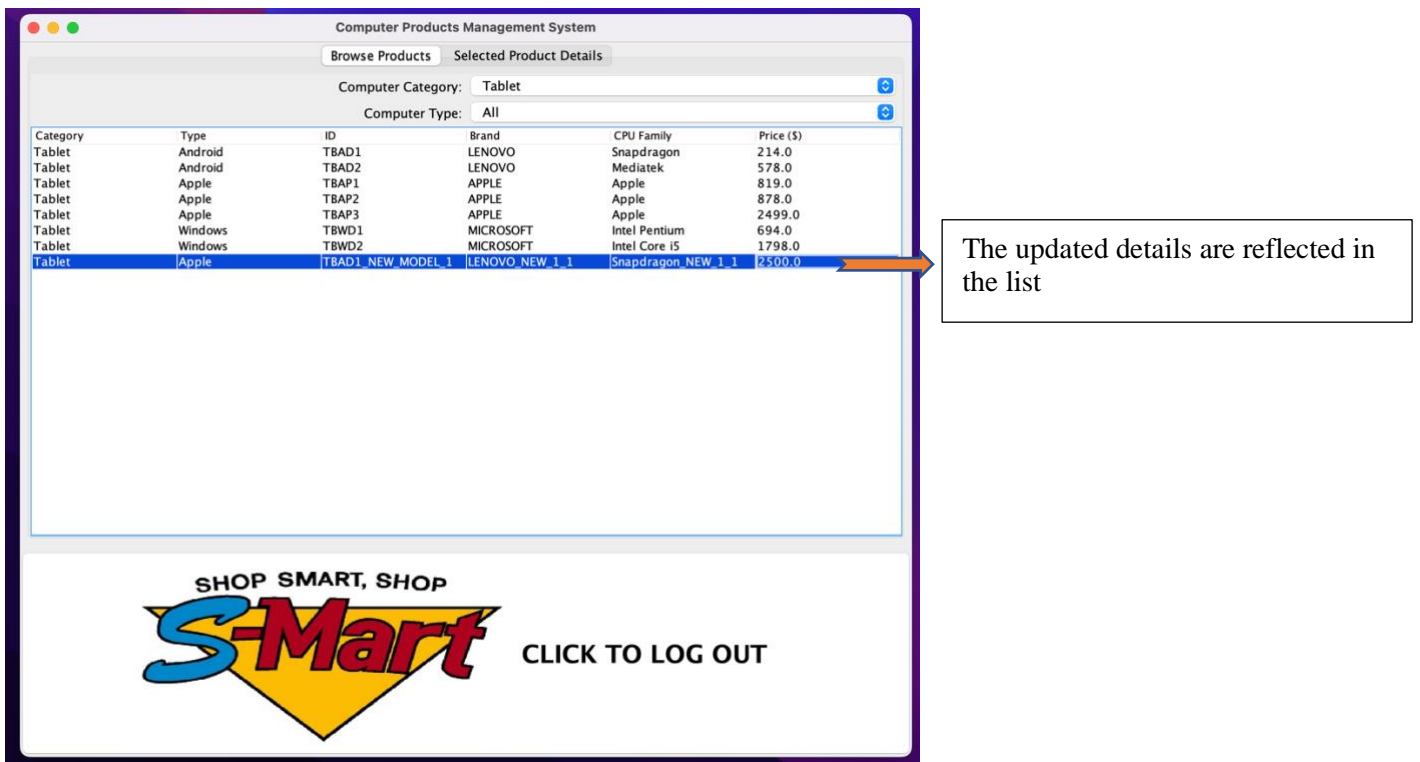
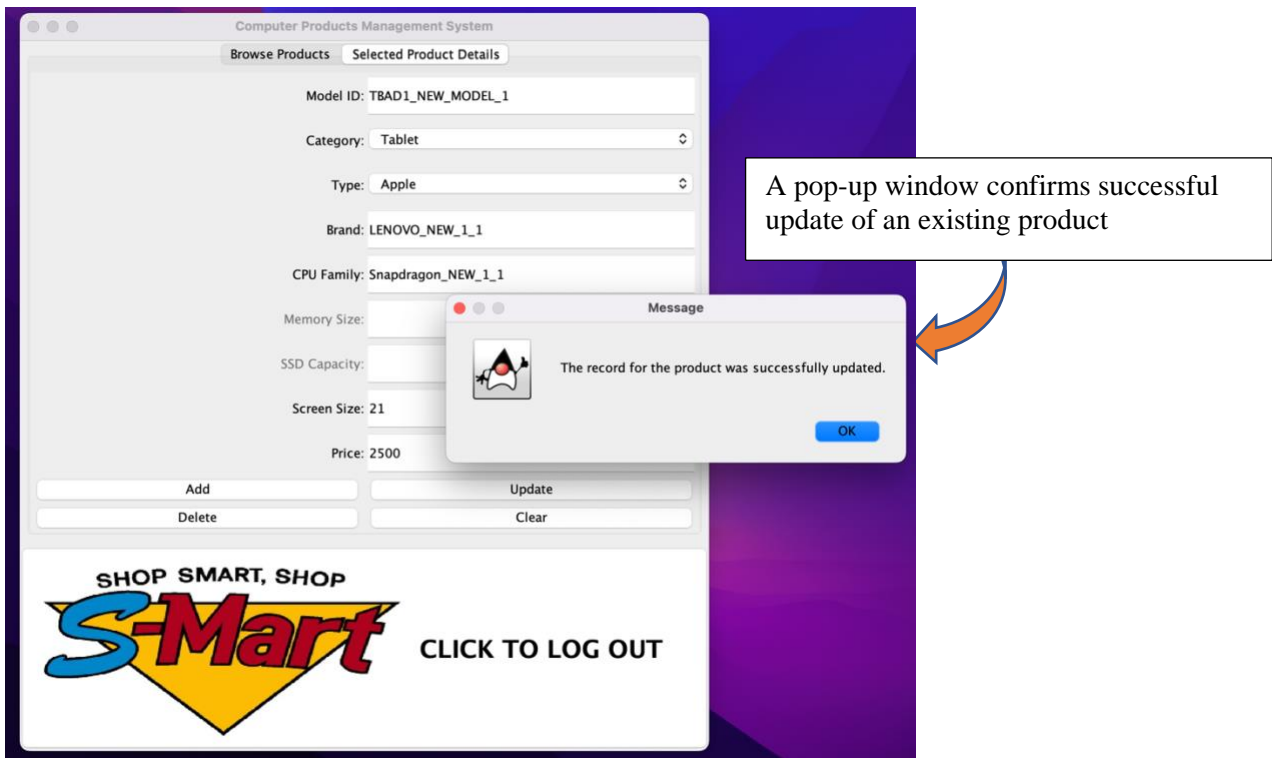
Delete Clear

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

A manager can click 'Update' to update a computer's details. Any data can be modified except 'Model ID'



Computer Products Management System

Browse Products Selected Product Details

Model ID: TBAD1_NEW_MODEL_1

Category: Tablet

Type: Apple

Brand: LENOVO_NEW_1_1

CPU Family: Snapdragon_NEW_1_1

Memory Size:

SSD Capacity:

Screen Size: 21.0

Price: 2500.0

Add Update

Delete Clear

SHOP SMART, SHOP
S-Mart CLICK TO LOG OUT

A manager can click 'Delete' to delete a product from the system

Computer Products Management System

Browse Products Selected Product Details

Model ID:

Category: Tablet

Type: Apple

Brand:

CPU Family:

Memory Size:

SSD Capacity:

Screen Size:

Price:

Add Update

Delete Clear

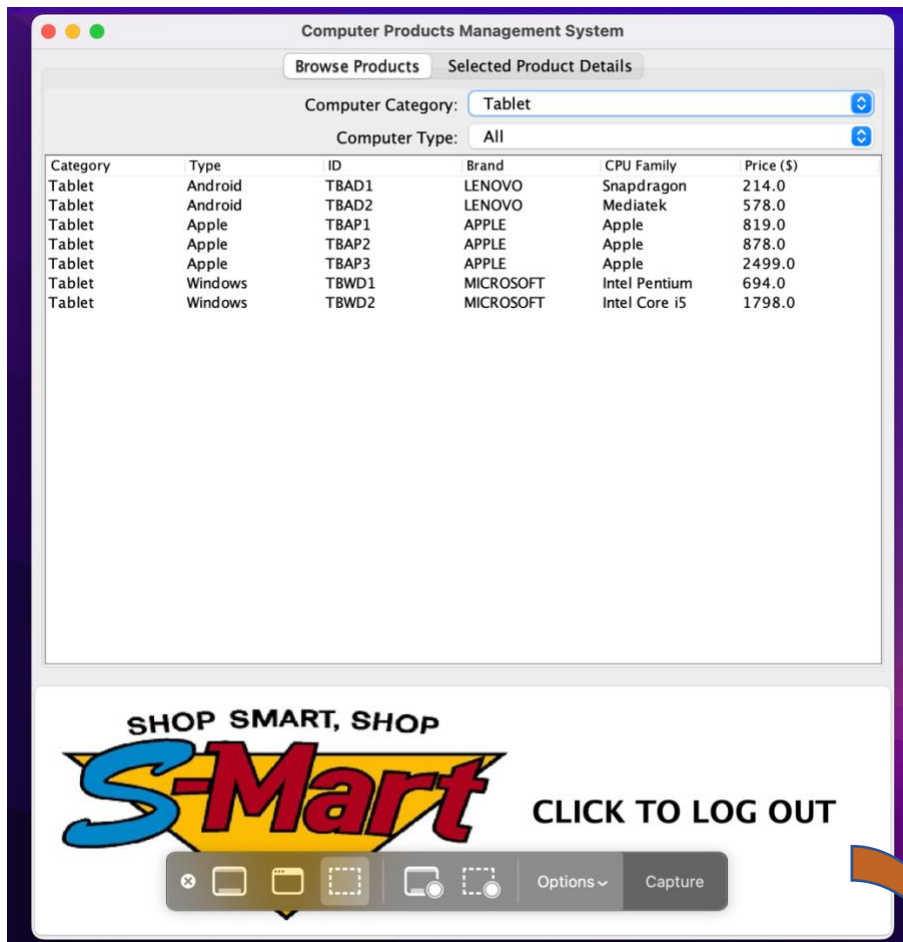
SHOP SMART, SHOP
S-Mart CLICK TO LOG OUT

Message

The record for the product was successfully deleted.

OK

Clicking 'Clear' will clear all text fields' values, too. However, this does not change or delete any data in the list or system.



The list also reflects deletions

Whoops. Not sure how the screen capture captured its own menu!
That is definitely NOT in the program!

Clicking 'Logout' returns the user to the pre-login screen



The following pages include further evidence of 'adding' and 'updating' functionality for when changes in category occur:

Computer Products Management System

Browse Products Selected Product Details

Model ID:

Category:

Type:

Brand:

CPU Family:

Memory Size:

SSD Capacity:

Screen Size:

Price:

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

A product that was originally a laptop can be changed to a tablet and then added to the system. Irrelevant fields will be cleared automatically.

Computer Products Management System

Browse Products Selected Product Details

Model ID:

Category:

Type:

Brand:

CPU Family:

Memory Size:

SSD Capacity:

Screen Size:

Price:

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

Message

The record for the product was successfully added.

OK

Computer Products Management System

Browse Products Selected Product Details

Model ID: NOW_A_TABLET

Category: Tablet

Type: Windows

Brand: NOW_A_TABLET

CPU Family: i5_NOW_A_TABLET

Memory Size:

SSD Capacity:

Screen Size: 9.0

Price: 499.99

Add Update

Delete Clear

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT

Similarly, a product that was a tablet can be updated to become a desktop. Irrelevant fields will be cleared automatically, while the user will be notified of newly relevant fields that require data.

Computer Products Management System

Browse Products Selected Product Details

Model ID: NOW_A_TABLET

Category: Desktop PC

Type: Home & Study

Brand: NOW_A_TABLET

CPU Family: i5_NOW_A_TABLET

Memory Size: This needs to be a number

SSD Capacity: This needs to be a number

Screen Size:

Price: 499.99

Add Update

Delete Clear

SHOP SMART, SHOP

S-Mart

CLICK TO LOG OUT