Course Project Use Case Analysis

Davis Shelfer and Magdalena Castronova

COMP 3700

1. **As a user (cashier or manager), I want to log into the system.**

User	System
1. Types in username and password and presses "Login."	2. Presents options on a home screen to either checkout or manage profile, unless the user is a manager; then, there are three more options – manage products, manage employees, or print business report.

Store Management System

Username: [   ]

Password: [   ]

[Login]   [Exit]

Store Management System

[Checkout]   [Manage Profile]

[Manage Products]

[Manage Employees]

[Print Business Report]

[Exit]

2. As a user, I want to change my login password.

User	System
1. Logs into the system.	2. Presents options on a home screen to either checkout or manage profile, unless the user is a manager; then, there are three more options – manage products, manage employees, or print business report.

Store Management System

Username: [   ]

Password: [   ]

Login   Exit

Store Management System

Checkout   Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

User	System
3. Chooses "Manage profile."	4. Presents options on a menu to update password or photo.

Store Management System

Checkout   Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

Store Management System

Update Password

Update Photo

Exit

5. Chooses "Update Password."

Store Management System

Update Password

Update Photo

Exit

6. Prompts the user to type in the old password and the new password.

Store Management System

Retype Old Password:

Enter New Password:

Confirm New Password:

Apply   Exit

7. User types in the old password and the new password.

Store Management System

Retype Old Password:
****

Enter New Password:
****

Confirm New Password:
****

Apply   Exit

8. The new password is saved in the database for that user profile.

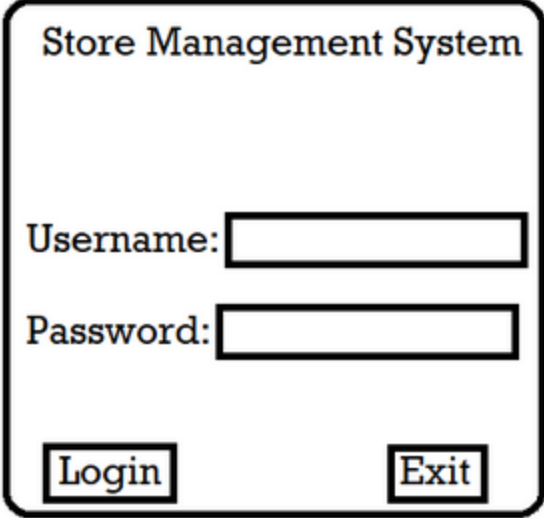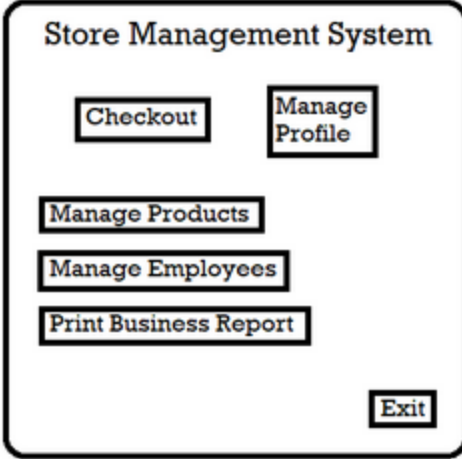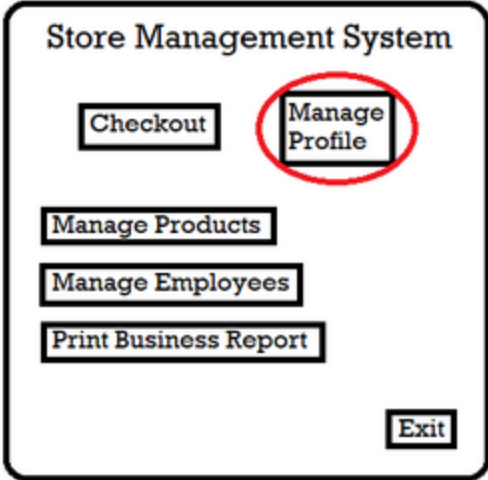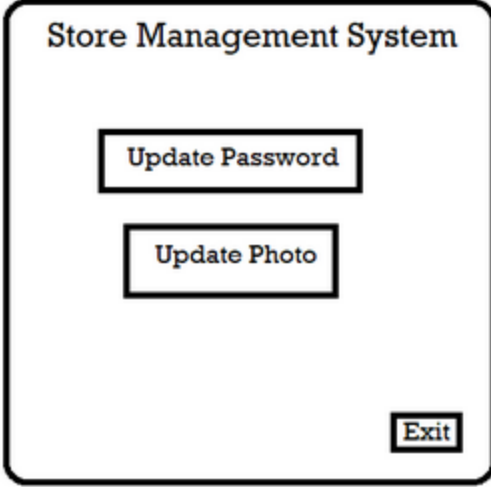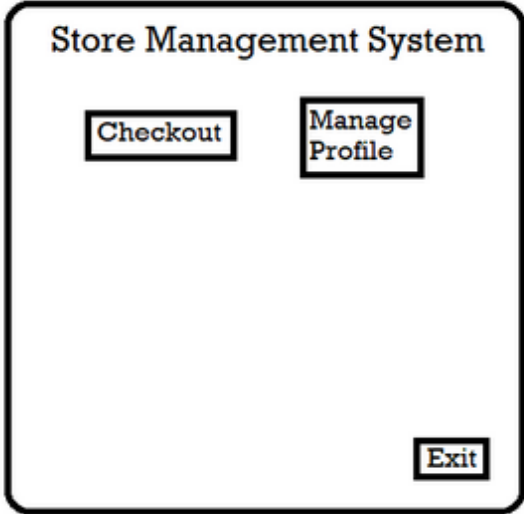**Store Management System**

Checkout   Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

3. As a user, I want to change my display/profile photo.

User	System
1. Logs into the system. **Store Management System** Username: [_____] Password: [_____] [Login] [Exit]	2. Presents options on a home screen to either checkout or manage profile, unless the user is a manager; then, there are three more options – manage products, manage employees, or print business report. **Store Management System** [Checkout] [Manage Profile] [Manage Products] [Manage Employees] [Print Business Report] [Exit]
3. Chooses "Manage profile." **Store Management System** [Checkout] (◯[Manage Profile]◯) [Manage Products] [Manage Employees] [Print Business Report] [Exit]	4. Presents options on a menu to update password or photo. **Store Management System** [Update Password] [Update Photo] [Exit]

5. Chooses "Update Photo."

Store Management System

Update Password

(Update Photo)

Exit

6. Prompts the user to provide a new profile picture.

Store Management System

Choose a new photo:

Browse

Apply   Exit

7. User provides a new profile picture.

Store Management System

Choose a new photo:

Browse

(Apply)   Exit

8. The new profile picture is saved in the database for that user profile.

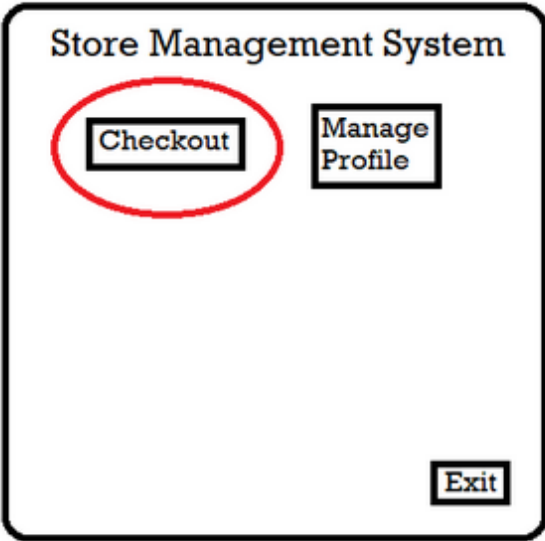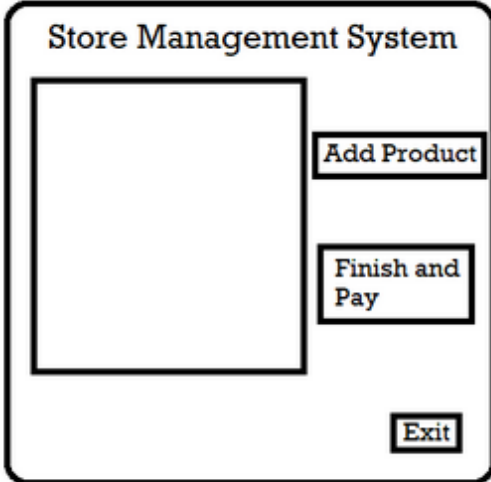**Store Management System**

Checkout   Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

4. As a cashier, I want to check out an order.

User	System
1. Logs into the system.	2. Presents options on a home screen to either checkout or manage profile.

Store Management System

Username: [   ]

Password: [   ]

Login   Exit

Store Management System

Checkout   Manage Profile

Exit

User	System
3. Chooses "Checkout."	4. A screen with a table and two buttons to either add a product or save the order appear.

Store Management System

Checkout   Manage Profile

Exit

Store Management System

Add Product

Finish and Pay

Exit

5. Chooses to "Add product."

Store Management System

Add Product

Finish and Pay

Exit

6. The user is prompted to enter the product ID.

Store Management System

Product ID:

Continue

Exit

7. Enters the product ID.

Store Management System

Product ID:

0451

Continue

Exit

8. The user is prompted to enter the quantity.

Store Management System

Quantity:

Continue

Exit

9. Enters the quantity of the product.

Store Management System

Quantity:

42

Continue

Exit

10. The product ID, name, price, quantity, and cost shows up in the table, and the quantity in the database is changed.

Store Management System

#0451   Pan   42 $1,391.24

Add Product

Finish and Pay

Exit

11. Steps 5 through 9 are repeated until all products being purchased are entered.	12. Steps 6 through 10 are repeated until all products being purchased are entered.

13. Chooses "Finish and Pay."

Store Management System

#0451   Pan   42 $1,391.24

Add Product

Finish and Pay

Exit

14. The user is prompted for the customer's name.

Store Management System

Customer Name:

Continue

Exit

15. Enters the customer's name.

Store Management System

Customer Name:

Joe Bobson

Continue

Exit

16. The user is prompted for the payment method.

Store Management System

Payment Method:

○ Credit
○ Debit
○ Cash
○ Check
○ EBT

Save Order   Exit

17. Enters the payment method.

Store Management System

Payment Method:

● Credit
○ Debit
○ Cash
○ Check
○ EBT

Save Order   Exit

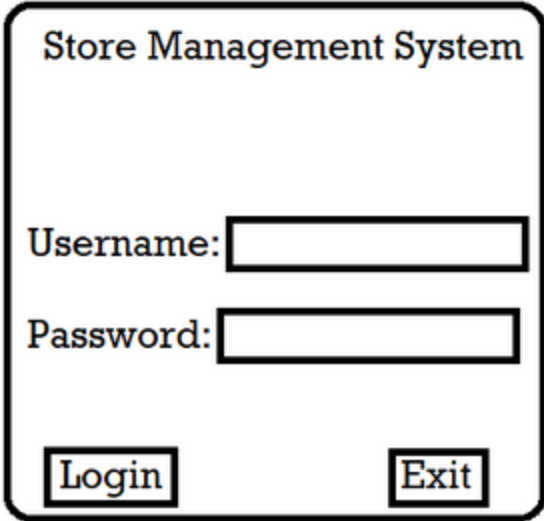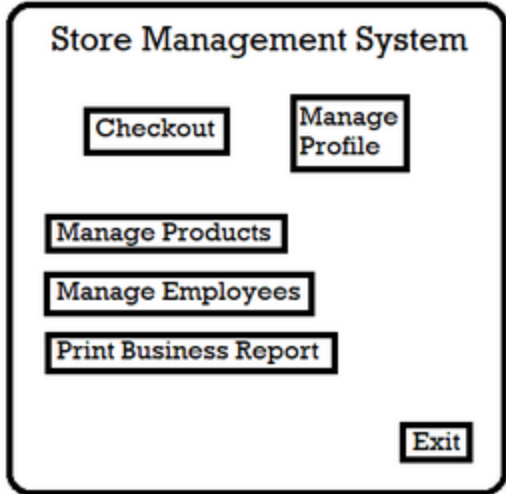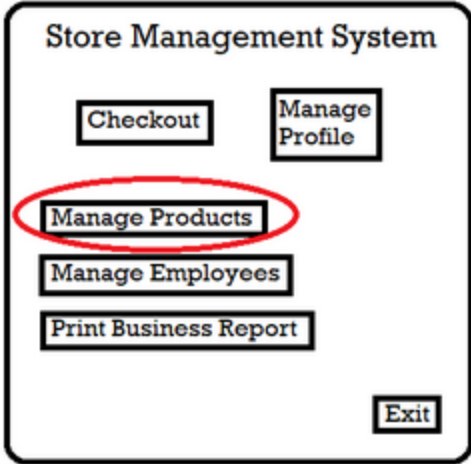18. The order is saved to the database.

Store Management System

Checkout   Manage Profile

Exit

5. As a manager, I want to add a new product to the system's database.

User	System
1. Logs into the system. **Store Management System** Username: [ ] Password: [ ] Login Exit	2. Presents options on a home screen to either checkout, manage profile, manage employees, manage products, or print business report. **Store Management System** Checkout Manage Profile Manage Products Manage Employees Print Business Report Exit
3. Chooses "Manage Products" **Store Management System** Checkout Manage Profile (Manage Products) Manage Employees Print Business Report Exit	4. A screen with product ID, product name, quantity, price, provider, and provider number will appear along with two buttons. **Store Management System** Product ID: [ ] Product Name: [ ] Quantity: [ ] Price: [ ] Provider Name: [ ] Provider Phone: [ ] Load Product Save Product

5. Enters all product information and chooses "Save product."

Store Management System

Product ID: 0451
Product Name: Pan
Quantity: 3,529
Price: $13.99
Provider Name: Johnson Metals
Provider Phone: (713) 555-0900

Load Product   Save Product

6. The product is saved to the database.

Store Management System

Checkout   Manage Profile

Manage Products
Manage Employees
Print Business Report

Exit

6. **As a manager, I want to update a current product in the system's database.**

User	System
1. Logs into the system. Store Management System Username: [ ] Password: [ ] Login Exit	2. Presents options on a home screen to either checkout, manage profile, manage employees, manage products, or print business report. Store Management System Checkout Manage Profile Manage Products Manage Employees Print Business Report Exit

3. Chooses "Manage products."

Store Management System

| Checkout | Manage Profile |

Manage Products

Manage Employees

Print Business Report

Exit

---

4. A screen with product ID, product name, quantity, price, provider, and provider number will appear along with two buttons.

Store Management System

Product ID:

Product Name:

Quantity:

Price:

Provider Name:

Provider Phone:

| Load Product | Save Product |

---

5. Enters the product ID and chooses "Load Product."

Store Management System

Product ID: 0451

Product Name:

Quantity:

Price:

Provider Name:

Provider Phone:

| **Load Product** | Save Product |

---

6. The rest of the information is filled in.

Store Management System

Product ID: 0451

Product Name: Pan

Quantity: 3,529

Price: $13.99

Provider Name: Johnson Metals

Provider Phone: (713) 555-0900

| Load Product | Save Product |

7. Makes changes to the information that needs to be changed and chooses "Save Product."

Store Management System

Product ID: 0451

Product Name: Pan

Quantity: 3,529

Price: $9.99

Provider Name: Johnson Metals

Provider Phone: (713) 555-0900

Load Product   Save Product

8. The changes to the product are saved in the database.

Store Management System

Checkout   Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

7. **As a manager, I want to create a new user, assign role, and generate a default password for a new user.**

User	System
1. Logs into the system. **Store Management System** Username: [ ] Password: [ ] Login Exit	2. Presents options on a home screen to either checkout, manage profile, manage employees, manage products, or print business report. **Store Management System** Checkout Manage Profile Manage Products Manage Employees Print Business Report Exit

3. Chooses "Manage employees."

Store Management System

Checkout | Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

4. A screen with a list of the current employees comes up and buttons to remove an employee or add an employee.

Store Management System

Add Employee

Remove Employee

Exit

5. Chooses "Add employee."

Store Management System

Add Employee

Remove Employee

Exit

6. A screen with spaces for name, picture, username, role, and password with appear.

Store Management System

Name:

Picture: [   ] Browse

Username:
Password:

Role:

Save Information   Exit

7. Fills in the information for the new employee and chooses "Save information."

Store Management System

Name: Bob Johnson

Picture: selfie.jpg   Browse

Username: bobjo
Password: ******

Role: Forklift Operator

Save Information   Exit

8. The new user is saved to the database.

Store Management System

Checkout | Manage Profile

Manage Products

Manage Employees

Print Business Report

Exit

8. **As a manager, I want to view and sort the business report: what products are sold, how many units, and how much revenue.**

User	System
1. Logs into the system.	2. Presents options on a home screen to either checkout, manage profile, manage employees, manage products, or print business report.

User	System
3. Chooses "Print business report."	4. A screen with a list of the products sold, how many units of each product were sold, and how much was paid total.