Course Project Use Case Analysis
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COMP 3700
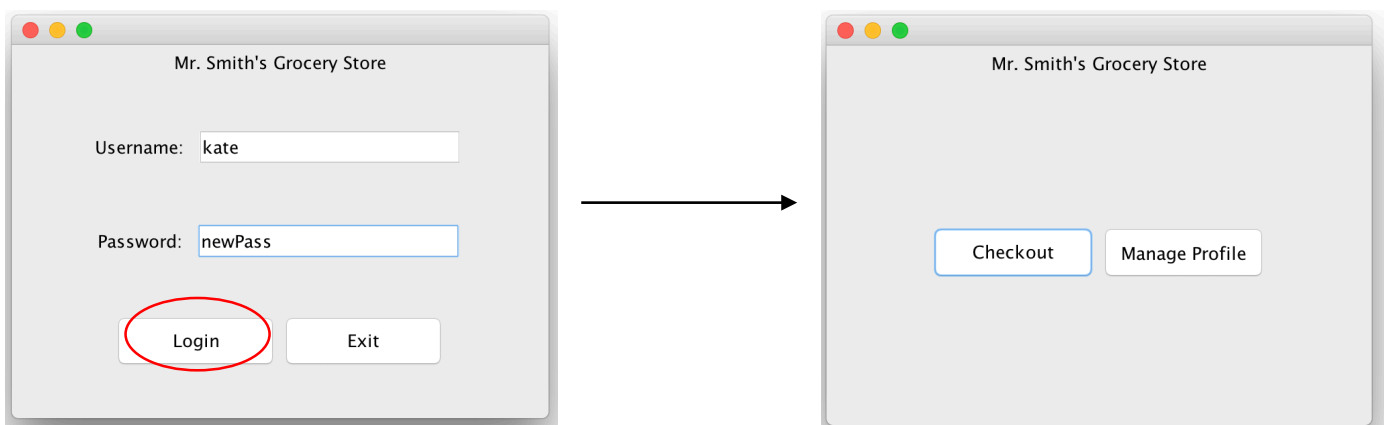
1. As a user (cashier or manager), I want to log into the system.

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.

ADMIN:
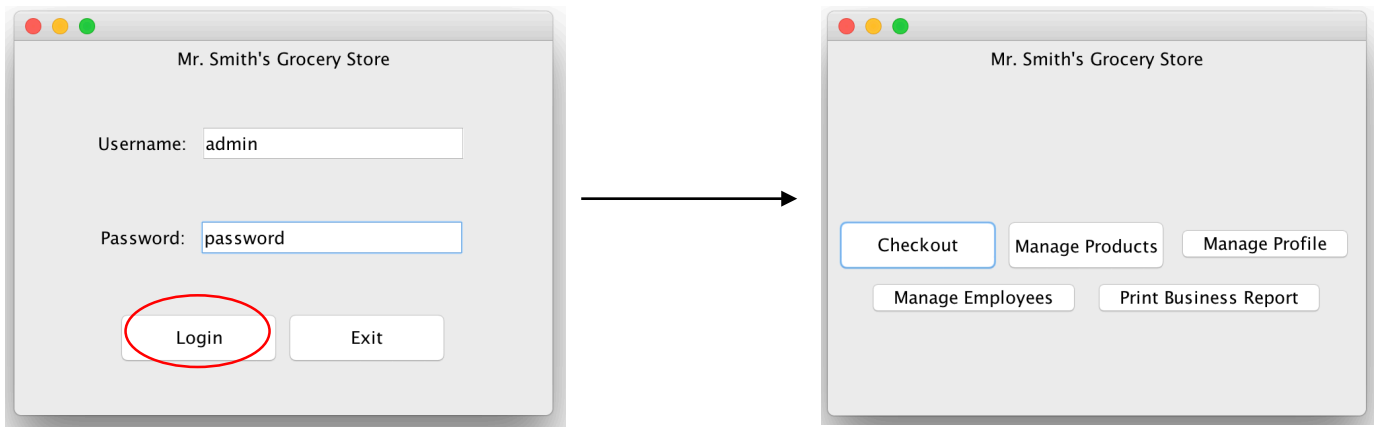
CASHIER:

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

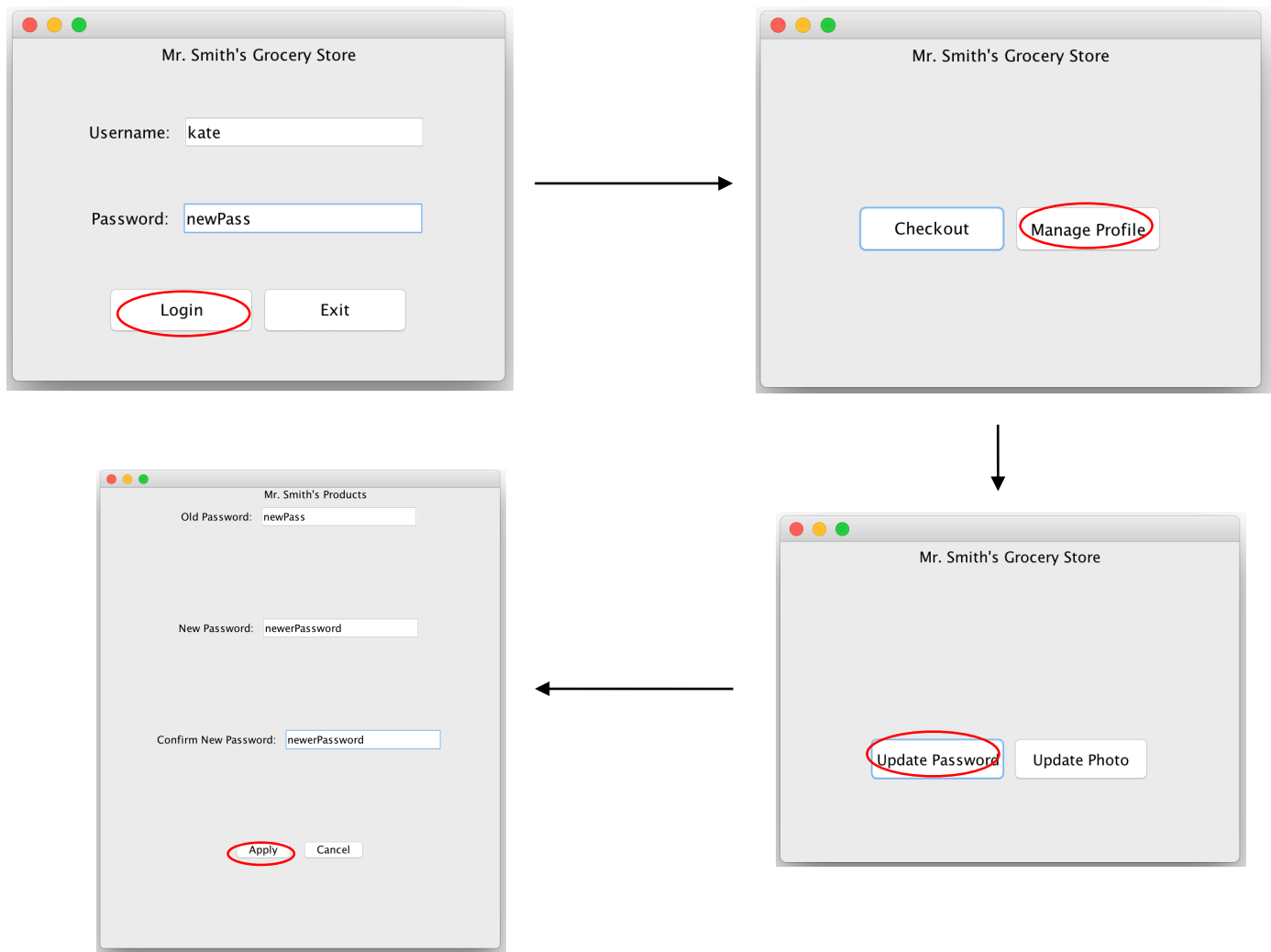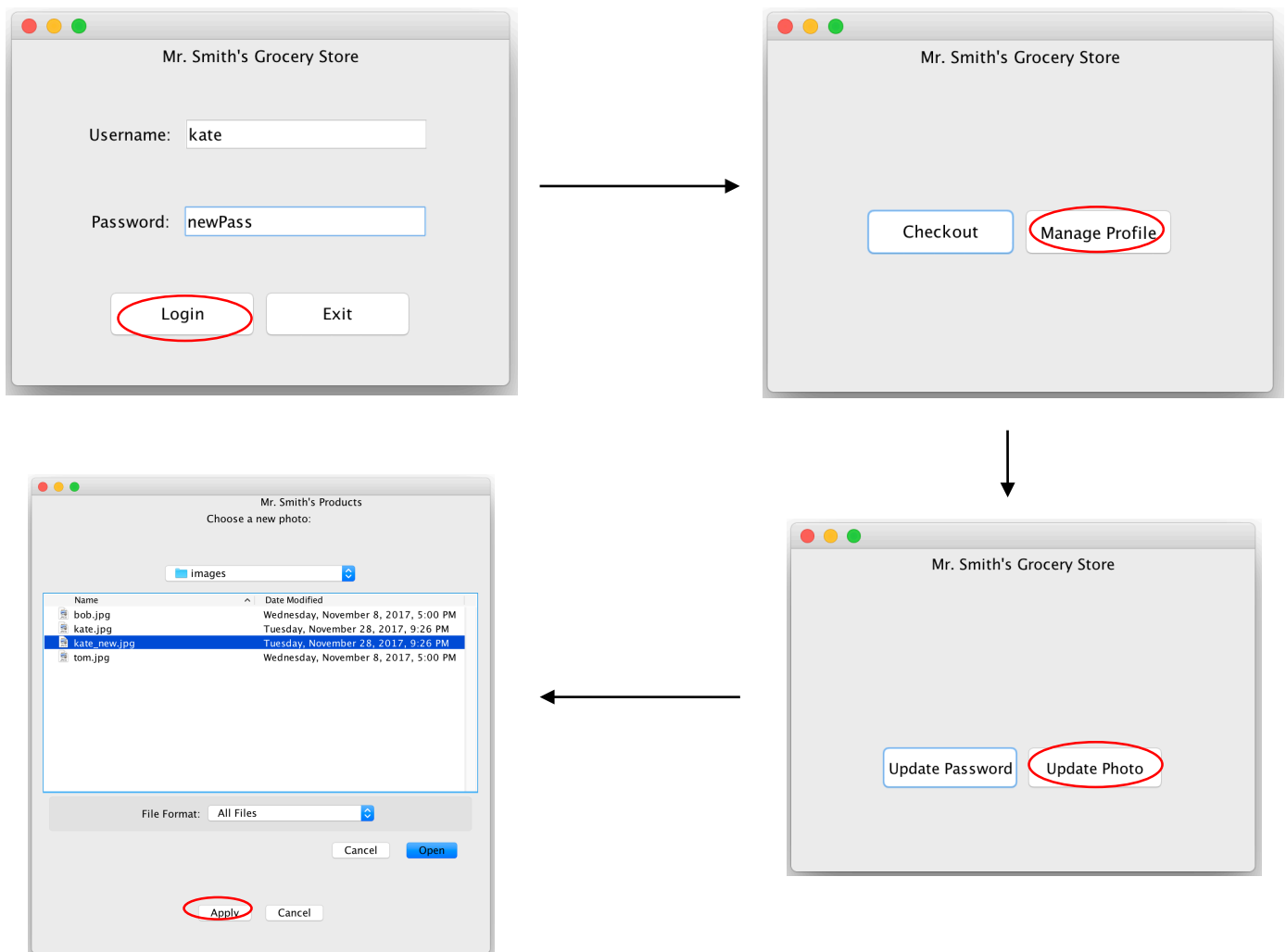| User	System
1. Logs into the system.	2. Presents options on a home screen to either checkout or manage profile, unless the user is a manager; then, there are three more options – manage products, manage employees, or print business report.
3. Chooses "Manage profile."	4. Presents options on a menu to update password or photo.
5. Chooses "Update Password."	6. Prompts the user to type in the old password and the new password.
7. User types in the old password and the new password.	8. The new password is saved in the database for that user profile.

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

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.
3. Chooses "Manage profile."	4. Presents options on a menu to update password or photo.
5. Chooses "Update Photo."	6. Prompts the user to provide a new profile picture.
7. User provides a new profile picture.	8. The new profile picture is saved in the database for that user profile.

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.
3. Chooses "Checkout."	4. A screen with a table and two buttons to either add a product or save the order appear.
5. Chooses to "Add product."	6. The user is prompted to enter the product ID.
7. Enters the product ID.	8. The user is prompted to enter the quantity.
9. Enters the quantity of the product.	10. The product ID, name, price, quantity, and cost shows up in the table, and the quantity in the database is changed.
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."	14. The user is prompted for the customer's name.
15. Enters the customer's name.	16. The user is prompted for the payment method.
17. Enters the payment method.	18. The order is saved to the database.

Window 1: Mr. Smith's Grocery Store (Login)

Mr. Smith's Grocery Store

Username: kate

Password: newPass

Login   Exit

Window 2: Mr. Smith's Grocery Store

Mr. Smith's Grocery Store

Checkout   Manage Profile

Window 3: Input

Input

Enter ProductID:

1000

Cancel   OK

Window 4: Input

Input

Enter quantity:

1

Cancel   OK

Window 5: Checkout

Checkout

Product ID	Name	Price	Quantity	Cost

Total:

Finish and Pay   Add Product

Window 6: Checkout

Checkout

Product ID	Name	Price	Quantity	Cost
1000	Hammer	10.0	1.0	10.0

Total: 10.0

Finish and Pay   Add Product

Window 7: Input

Input

Enter Customer's Name:

Sam

Cancel   OK

Window 8: Input

Input

Enter payment type (cash, credit, debit, check):

cash

Cancel   OK

Window 9: Checkout

Checkout

Product ID	Name	Price	Quantity	Cost
1000	Hammer	10.0	1.0	10.0

Total: 10.0

Finish and Pay   Add Product

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

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.
3. Enters all product information and chooses "Save product."	4. The product is saved to the database.
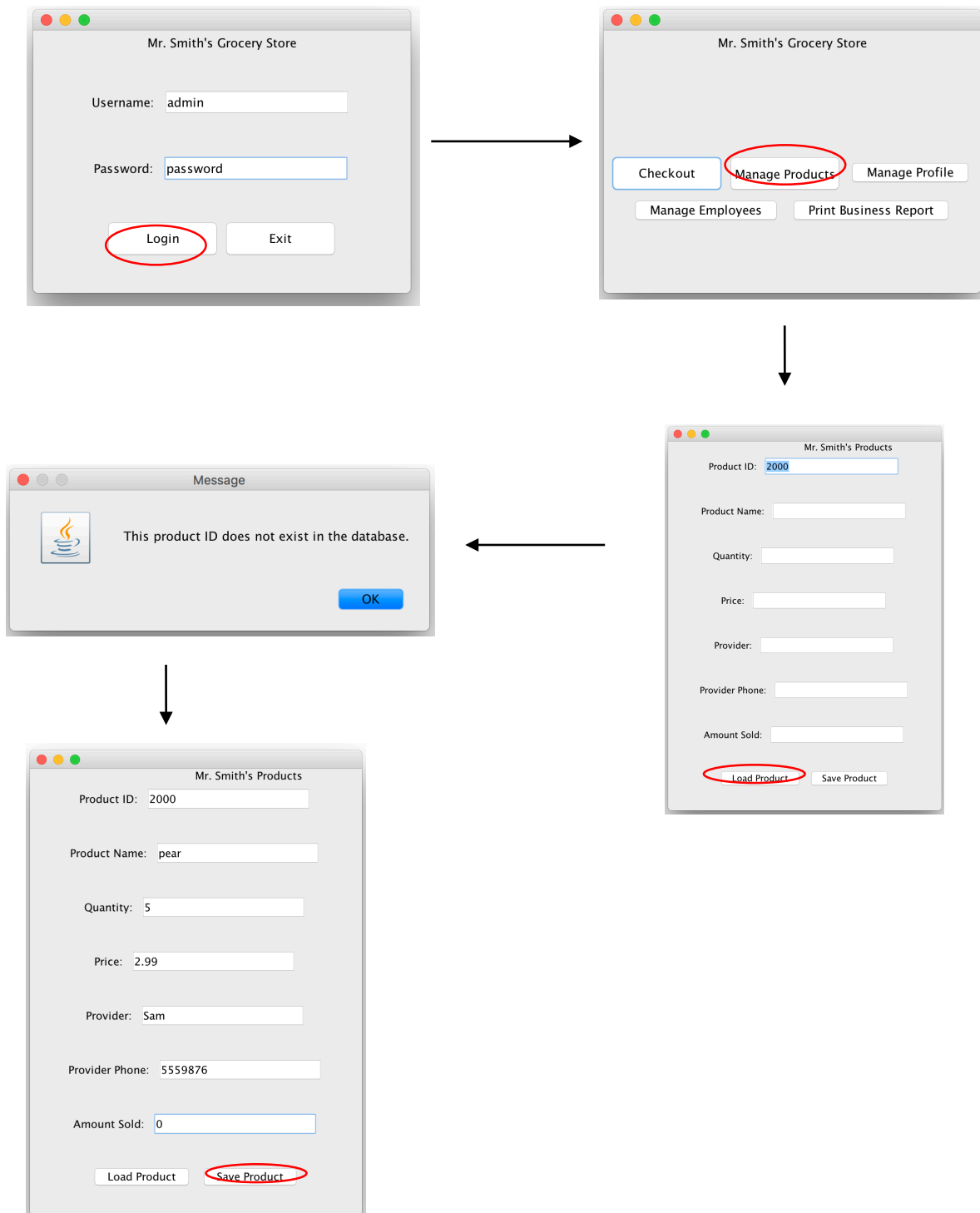
6. As a manager, I want to update a current product in the system's database.

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.
3. Chooses "Manage products."	4. A screen with product ID, product name, quantity, price, provider, and provider number will appear along with two buttons.
5. Enters the product ID and chooses "Load Product."	6. The rest of the information is filled in.
7. Makes changes to the information that needs to be changed and chooses "Save Product."	8. The changes to the product are saved in the database.

Mr. Smith's Grocery Store
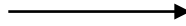
Username: admin

Password: password

[Login] [Exit]

Mr. Smith's Grocery Store

[Checkout] [Manage Products] [Manage Profile]

[Manage Employees] [Print Business Report]

Mr. Smith's Products

Product ID: 2000

Product Name:

Quantity:

Price:

Provider:

Provider Phone:

Amount Sold:

[Load Product] [Save Product]

Mr. Smith's Products

Product ID: 2000

Product Name: pear

Quantity: 5

Price: 2.99

Provider: Sam

Provider Phone: 5559876

Amount Sold: 0

[Load Product] [Save Product]

Mr. Smith's Products

Product ID: 2000

Product Name: pear

Quantity: 5

Price: 2.99

Provider: Sam

Provider Phone: 5559876

Amount Sold: 3

[Load Product] [Save Product]

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.	2. Presents options on a home screen to either checkout, manage profile, manage employees, manage products, or print business report.
3. Chooses "Manage employees."	4. A screen with a list of the current employees comes up and buttons to remove an employee or add an employee.
5. Chooses "Add employee."	6. A screen with spaces for name, picture, username, role, and password with appear.
7. Fills in the information for the new employee and chooses "Save information."	8. The new user is saved to the database.

Login Window — Mr. Smith's Grocery Store
- Username: admin
- Password: password
- (Login) · Exit

Main Menu — Mr. Smith's Grocery Store
- Checkout · Manage Products · Manage Profile
- (Manage Employees) · Print Business Report

Mr. Smith's Employees
- Username: tom
- Password:
- Name:
- Role:
- Wage:
- Photo:
- images

Name	Date Modified
bob.jpg	Wednesday, November 8, 2017, 5:00 PM
kate.jpg	Tuesday, November 28, 2017, 9:26 PM
tom.jpg	Wednesday, November 8, 2017, 5:00 PM

- (Load Employee) · Save Employee

Message
- This employee does not exist in the database.
- OK

Mr. Smith's Employees
- Username: tom
- Password: NewPassword
- Name: Tom
- Role: cashier
- Wage: 7.25
- Photo:
- images

Name	Date Modified
bob.jpg	Wednesday, November 8, 2017, 5:00 PM
kate.jpg	Tuesday, November 28, 2017, 9:26 PM
tom.jpg	Wednesday, November 8, 2017, 5:00 PM

- Load Employee · (Save Employee)

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.
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.

Mr. Smith's Grocery Store

Username: admin

Password: password

Login   Exit

Mr. Smith's Grocery Store

Checkout   Manage Products   Manage Profile

Manage Employees   Print Business Report

Business Report

Product ID	Product Name	Units Sold	Total $ Paid

Generate Report

Business Report

Product ID	Product Name	Units Sold	Total $ Paid
1000	Hammer	1.0	10.0
1001	Potato	0.0	0.0
1002	Cactus	3.0	10.5
1003	Mug	0.0	0.0
1004	Pillow	0.0	0.0
2000	pear	3.0	8.97

Generate Report