# Use Case Analysis

Iteration 2

William McCarty; Eric Deaton

## 1. As a user I want to log into the system

|  |  |
| --- | --- |
| **User** | **System** |
| User clicks on Login from main menu |  |
|  | Opens login page |
| User enters username and password |  |
|  | Validates the username and password |
|  | Opens the main menu for the appropriate user type |

Login

username

password

Forgot username or password?

Bob’s Groceries

login

Bob’s Groceries

⊕ Settings

Manager Mike

<Manager>

Manage Inventory

System Settings

Reports

Bob’s Groceries

⊕ Settings

Cashier Chad

<Cashier>

Checkout

Manager

Cashier

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

|  |  |
| --- | --- |
| **User** | **System** |
| User clicks settings from main menu |  |
|  | System Displays Settings Screen |
| User Clicks change password |  |
|  | System prompts user for Old password and new password twice. |
| User enters old password, new password, and new password verification |  |
|  | System checks old password and that the two new passwords match. |
|  | System Changes the password |
|  | System tells user that password has been changed with dialogue box |

User Settings

⊕ Settings

Cashier Chad

<Cashier>

Change Password

Change Photo

Change Name

Bob’s Groceries

⊕ Settings

Cashier Chad

<Cashier>

Checkout

Close

Change Password

Old Password

Forgot username or password?

New Password

Verify New Password

•••••••

•••••••

•••••••

Password Changed!

Change Password

Old Password

Forgot username or password?

New Password

Verify New Password

Close

Close

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

|  |  |
| --- | --- |
| **User** | **System** |
| User clicks settings from main menu |  |
|  | System displays settings menu |
| User clicks profile settings |  |
|  | System displays profile |
| User clicks change profile picture |  |
|  | System prompts user to upload picture |
| User drags and drops photo |  |
|  | System verifies photo and prompts and prompts user to confirm |
| User confirms changes |  |

Bob’s Groceries

⊕ Settings

Cashier Chad

<Cashier>

Checkout

User Settings

Cashier Chad

<Cashier>

Change Password

Change Photo

Change Name

Close

Photo Settings

Drag Photo or paste photo URL

Photo Changed!

Close

Close

Photo Settings

Drag Photo or paste photo URL

Current Photo

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

|  |  |
| --- | --- |
| **User** | **System** |
| User signs in as cashier |  |
|  | System displays cashier main menu page |
| Cashier selects checkout |  |
|  | System displays checkout screen |
| Cashier enters product information (either manually or with barcode scanner) |  |
|  | System continuously updates product screen |
| After all items scanned, Cashier selects “finish and pay” |  |
|  | System displays payment methods |
| Cashier selects payment method |  |
|  | System displays appropriate payment method |
| Customer pays, cashier confirms |  |
|  | System prints receipt |

Login

username

password

Forgot username or password?

Checkout

Items

Items

Banana

Apple

Coke

Quant

1

2

1

Price

$1.00

$3.00

$1.22

Total: $5.22

Manual Entry

Finish and Pay

Loyalty Program

Close

Bob’s Groceries

⊕ Settings

Cashier Chad

<Cashier>

Checkout

Cash Payment

Cash Given

Change

Print Receipt

Close

Credit or Debit Card

Prompt Customer to swipe card.

System will automatically print receipt.

Close

Payment

Items

Items

Banana

Apple

Coke

Quant

1

2

1

Price

$1.00

$3.00

$1.22

Total: $7.00

Credit or Debit Card

Cash

Tax: $0.78

Close

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

|  |  |
| --- | --- |
| **User** | **System** |
| User Signs in as manager |  |
|  | System displays manager main menu |
| Manager Selects “manage inventory” |  |
|  | System displays inventory page |
| Manager selects “add product” |  |
|  | System displays add product dialogue box |
| Manager enters new product information |  |
|  | System checks that the information is valid and displays confirmation |

Bob’s Groceries

⊕ Settings

Manager Mike

<Manager>

Manage Inventory

System Settings

Reports

Inventory

Items

Banana

Apple

Coke

…

Quant

1

2

1

Price

$1.00

$3.00

$1.22

Add Item

Edit Item

Delete Item

Close

Login

username

password

Forgot username or password?

Add Item

Items

Banana

Apple

Coke

…

Quant

1

2

1

Price

$1.00

$3.00

$1.22

Add Item

Items

Banana

Apple

Coke

…

Quant

1

2

1

Price

$1.00

$3.00

$1.22

Item Added!

Item Name

Close

Item Price

Item Quantity

Close

More

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

Bob’s Groceries

⊕ Settings

Manager Mike

<Manager>

Manage Inventory

System Settings

Reports

Close

Close

close

Item Edited!

Edit Item

Items

Banana

Quant

1

Price

$1.00

Item Name

Inventory

Items

Banana

Apple

Coke

…

Quant

1

2

1

Price

$1.00

$3.00

$1.22

Add Item

Edit Item

Delete Item

|  |  |
| --- | --- |
| **User** | **System** |
| User Signs in as manager |  |
|  | System displays manager main menu |
| Manager Selects “manage inventory” |  |
|  | System Displays inventory page |
| Manager Selects “Update product” |  |
|  | System opens update product page |
| Manager searches for product or selects it from the list |  |
|  | System Displays Result |
| Manager selects the product |  |
|  | System displays product information |
| Manager changes the information and presses Enter or “Update” button |  |
|  | System checks that info is valid and updates the database |

Edit Item

Items

Banana

Apple

Coke

…

Quant

1

2

1

Price

$1.00

$3.00

$1.22

search

Edit Item

Items

Banana

Quant

1

Price

$1.00

Item Name

Item Price

Item Quantity

Login

username

password

Forgot username or password?

7. As a manager, I want to create a new user, assign role (e.g. manager or cashier), generate a default password for a new user

|  |  |
| --- | --- |
| **User** | **System** |
| User Signs in as manager |  |
|  | System displays manager main menu |
| Manager Selects “System Settings” |  |
|  | System displays “System Settings” Page |
| Managers Selects “New User” |  |
|  | System displays “New User” Dialogue box |
| Manager enters name, username and selects role from drop down menu |  |
|  | System validates the user, generates a default password, and stores the user in the database |
|  | System displays the default password |

Bob’s Groceries

⊕ Settings

Manager Mike

<Manager>

Manage Inventory

System Settings

Reports

New User

↓ User Type

Close

Name

System Settings

New User

Close

New User

New User Added!

Name

Default Password

close

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

|  |  |
| --- | --- |
| **User** | **System** |
| User signs in as manager |  |
|  | System displays manager main menu |
| Manager selects “Reports” |  |
|  | System displays Business Report |
| Sort: Manager selects which item to sort on by double clicking on the column header |  |
|  | System sorts the business report based on manager input |

↓ Sort By

Business Report

close

Item Sold Profit Revenue ->

Banana 5 $1.00 $3.20

Apple 7 $2.50 $6.00

Rubies 4 $7,000 $18,000

Steak 1 $10.00 $16.00

Bob’s Groceries

⊕ Settings

Manager Mike

<Manager>

Manage Inventory

System Settings

Reports

Reports

Business Report

close

Employee Report

TPS Reports