**The Bar System**

**Use Cases & Test Cases**

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**Use Case for the Login System**

* **Name** : Login System.
* **Description**: Authenticates an employee to the system.
* **Actor** : Manager/Supervisor/Cashier/Attendant
* **Pre-condition:** The employee is present at work.
* **Post-condition:** The system grants access privileges to the system.

**Main Course:**

**1.)** The user is prompted to authenticate to the system.

**2.)** The user enters his/her credentials.

**3.)** The user clicks “Submit” button.

**Exception:**

**3a.)** If the user fails to authenticate, a dialog box will appear stating: “Invalid username or password”. Then user clicks “Ok” button. Repeat Step 2.

**3b.)** If the user did not fill up the form entirely, a dialog box will appear. Then user clicks “Ok” button. Repeat Step 2.

**3c.)** If the user clicks “Cancel” button, then use case exits.

**4.)** The user will then be successfully logged (authenticated) to the system.

**Alternatives:**

**4a.)** If the user logs in as supervisor or manager, all of the features: “Add Item”, “Add Supplier”, “Add Cashier Sale”, “Update Inventory: Items & Suppliers”, “Generate Inventory List: Items, Suppliers & Sales” are enabled.

**4b.)** If the user logs in as cashier, the features: “Add Cashier Sale”, “Generate Inventory List: Items, Suppliers & Sales” are enabled and the features: “Add Item”, “Add Supplier”, “Update Inventory: Items & Suppliers” disabled.

**4c.)** If the user logs in as an attendant, the features: “Generate Inventory List: Items, Suppliers & Sales” are enabled and the features: “Add Item”, “Add Supplier”, “Add Cashier Sale”, “Update Inventory: Items & Suppliers” disabled.

**Test Case for Login System (Manager)**

**Given:**

Manager “Frederico” wants to log in to the system with username “frederico” and password “1234”.

**When:**

Frederico inputs his username “frederico” and password “1234” to the textbox, and clicks the “Submit” button.

**Then:**

Frederico successfully authenticates to the system with the features: “Add Item”, “Add Supplier”, “Add Cashier Sale”, “Update Inventory: Items & Suppliers”, “Generate Inventory List: Items, Suppliers & Sales” are enabled.

**Test Case for Login System (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to log in to the system with username “jenefer” and password “4321”.

**When:**

Jenefer inputs her username “jenefer” and password “4321” to the textbox, and clicks the “Submit” button.

**Then:**

Jenefer successfully authenticates to the system with the features: “Add Item”, “Add Supplier”, “Add Cashier Sale”, “Update Inventory: Items & Suppliers”, “Generate Inventory List: Items, Suppliers & Sales” are enabled.

**Test Case for Login System (Cashier)**

**Given:**

Cashier “Robert” wants to log in to the system with username “robert” and password “1234”.

**When:**

Robert inputs his username “robert” and password “1234” to the textbox, and clicks the “Submit” button.

**Then:**

Franky successfully authenticates to the system with the features: “Add Cashier Sale”, “Generate Inventory List: Items, Suppliers & Sales” enabled. And the features: “Add Item”, “Add Supplier”, “Update Inventory: Items & Suppliers” disabled.

**Test Case for Login System (Attendant)**

**Given:**

Attendant “Franky” wants to log in to the system with username “franky03” and password “frankylovesyou”.

**When:**

Franky inputs his username “franky03” and password “frankylovesyou” to the textbox, and clicks the “Submit” button.

**Then:**

Franky successfully authenticates to the system with the features: “Generate Inventory List: Items, Suppliers & Sales” enabled. And the features: “Add Item”, “Add Supplier”, “Add Cashier Sale”, “Update Inventory: Items & Suppliers” disabled.

**Use Case for Adding a Supplier**

* **Name** : Add Suppliers
* **Description**: To add a supplier and its information to the database.
* **Actor :** Supervisor/Manager
* **Pre-condition:** The Supervisor/Manager must be authenticated to the system.
* **Post-condition:** A supplier and its information is added to the database.

**Main Course:**

1. The user wants to add a new supplier and its information.
2. The user clicks the “File” item in the menu.
3. The user then clicks the “Add supplier” item in the submenu.

**Alternative:**

**3a.)** The user clicks the “Add supplier” icon, in the toolbar.

1. The user fills up the necessary information in the form.
2. The user clicks the “Submit” button.

**Exception:**

**5a.)** If the user did not fill up the form entirely, a dialog box will appear. Then user clicks “Ok” button. Repeat Step 4.

**Alternative:**

**5b.)** If there is a power interruption, the new items are logged via logbook manually for the moment.

**6.)** The information of the supplier is added to the database.

**Test Case for Adding a Supplier (Supervisor)**

**Given:**

**S**upervisor “Jenefer” wants to add a supplier with information containing: “Universal Brewery” as the “Company Name”, “Pala-o, Iligan City” as “Address”, “2238546” as the “Contact Number”, and “univ.brew@gmail.com” as “Email” information to the database.

**When:**

“Jenefer” clicks the “Add supplier” icon, in the toolbar. “Jenefer” fills up the information: “Universal Brewery” as the “Company Name”, “Pala-o, Iligan City” as “Address”, “2238546” as the “Contact Number”, and “univ.brew@gmail.com” as “Email” information, then clicks the “Submit” button.

**Then:**

The system will add a new row in the list of suppliers and the information which contains, “Universal Brewery” as the “Company Name”, “Pala-o, Iligan City” as “Address”, “2238546” as the “Contact Number”, and “univ.brew@gmail.com” as “Email” information, and added to the database.

**Test Case for Adding a Supplier (Manager)**

**Given:**

Manager “Frederico” wants to add a supplier with information containing: “Fredrick Corporation” as the “Company Name”, “Saray, Iligan City” as “Address”, “2231234” as the “Contact Number”, and “fred.corp@gmail.com” as “Email” information to the database.

**When:**

“Frederico” clicks the “File” item in the menu, then the “Add supplier” item in the submenu. “Frederico” fills up the information: “Fredrick Corporation” as the “Company Name”, “Saray, Iligan City” as “Address”, “2231234” as the “Contact Number”, and “fred.corp@gmail.com” as “Email” information, then clicks the “Submit” button.

**Then:**

The system will add a new row in the list of suppliers and the information which contains, “Fredrick Corporation” as the “Company Name”, “Saray, Iligan City” as “Address”, “2231234” as the “Contact Number”, and “fred.corp@gmail.com” as “Email” information, and added to the database.

**Use Case for Generating a List of Suppliers**

* **Name** : Generate list of suppliers
* **Description**: To generate a list of suppliers
* **Actor :** Manager/Supervisor/Cashier/Attendant
* **Pre-condition:** The employees must be authenticated to the system. The suppliers’ database must not be empty.
* **Post-condition:** A list of suppliers and their data will be shown to the user.

**Main Course:**

**1.)** The user clicks the “View” item in the list of menus.

**2.)** The user clicks the “Generate Inventory List” item in the dropdown menu.

**3.)** The user then clicks the “Suppliers” item.

**Alternative:**

**3a.)** The user clicks the “Generate Suppliers” icon, in the toolbar.

**4.)** A list of suppliers and their respective data is printed to the screen.

**Test Case for Generating a List of Suppliers (Manager)**

**Given:**

Manager “Frederico” wants to check the list of current suppliers.

**When:**

“Frederico” clicks “Generate Suppliers” icon, in the toolbar.

**Then:**

The system prints a list of suppliers and their information to the screen.

**Test Case for Generating a List of Suppliers (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to check the list of current suppliers.

**When:**

“Jenefer” clicks the “View” item in the list of menus, then the “Generate Inventory List”, then the “Suppliers” item menu.

**Then:**

The system prints a list of suppliers and their information to the screen.

**Test Case for Generating a List of Suppliers (Cashier)**

**Given:**

Manager “Robert” wants to check the list of current suppliers.

**When:**

“Robert” “Generate Suppliers” icon, in the toolbar.

**Then:**

The system prints a list of suppliers and their information to the screen.

**Test Case for Generating a List of Suppliers (Attendant)**

**Given:**

Manager “Franky” wants to check the list of current suppliers.

**When:**

“Franky” clicks the “View” item in the list of menus, then the “Generate Inventory List”, then the “Suppliers” item menu.

**Then:**

The system prints a list of suppliers and their information to the screen.

**Use Case for Updating Supplier Information**

* **Name** – Updating Supplier Information.
* **Description** – Updates the supplier’s information.
* **Actor** – Supervisor/Manager.
* **Pre – conditions** –The Supervisor/Manager successfully authenticates to the system.
* **Post – conditions** – The system updates the item and its information in the inventory.

**Main Course:**

1. The user wants to update a specific supplier’s information in the inventory.
2. The user clicks the “Edit” item in the list of menus.
3. The user clicks “Update Inventory” in the submenu.
4. The user then clicks the “Supplier Information” item menu.
5. The user inputs a search key to the textbox field.
6. The user clicks the “Search” button.
7. The system generates a matching data based on the search key.

**Exception:**

**7a.)** If the search key does not match for any of the list of supplier names in the inventory. Repeat step 5 or Use case exits.

**Alternative:**

**7b.)** If the supplier has multiple descriptions, user may change the supplier description using the drop down text provided for each description of that supplier.

1. The user updates the information of the supplier.
2. The user clicks the “Update” button

**9a.)** If some of the text fields are missing, a dialog box will popup to advise the user. The user clicks “Ok” button, Repeat Step 8.

**Alternative:**

**9b.)** If the user clicks “Cancel” button, use case exits.

1. The user is prompted a confirmation dialog before updating.
2. The user clicks “Ok” button.

**Alternative:**

**11a.)** If the user clicks “Cancel” button, repeat Step 8.

1. The updated information updates the database.

**Test Case for Updating Suppliers (Supervisor)**

**Given**:

Supervisor “Jenefer” wants to update the supplier information of “Universal Brewery” by using a search key “univ” and updating the contact number of “2238456” and change it to “09586314646”.

**When:**

Jenefer clicks “Edit” item in the list of menus, then clicks “Update Inventory”, then clicks “Supplier Information”, then inputs the search key “univ” in the textbox then clicks the “Search” button and changes the value of the contact number to “09586314646” then clicks the “Update” button and clicks the “Ok” button.

**Then:**

The system updates the supplier information with Supplier Name: “Universal Brewery” with contact number from “2238456” to “09586314646” in the inventory database.

**Test Case for Updating Suppliers (Manager)**

**Given**:

Manager “Frederico” wants to update the supplier information of “San Miguel” by using a search key “san” and updating the email of “sanmiguel@gmail.com” and change it to “sanmiguel@sanmiguel.com”.

**When:**

Frederico clicks “Edit” item in the list of menus, then clicks “Update Inventory”, then clicks “Supplier Information”, then inputs the search key “san” in the textbox then clicks the “Search” button and changes the value of the email to “sanmiguel@sanmiguel.com” then clicks the “Update” button and clicks the “Ok” button.

**Then:**

The system updates the supplier information with Supplier Name: “San Miguel” with email from “sanmiguel@gmail.com” to “sanmiguel@sanmiguel.com” in the inventory database.

**Use Case for Adding Inventory Items**

* **Name** : Adding Inventory Items
* **Description**: Adding new items to the inventory
* **Actor :** Supervisor/Manager
* **Pre-condition:** The supervisor/manager must be authenticated to the system.
* **Post-condition:** The said item and its relevant information is added to the inventory database.

**Main Course:**

**1.)** The user wants to add a new item to the database.

**Alternatives:**

**1b.)** If there is a power interruption, the new items are logged via logbook manually for the moment.

**2.)** The user clicks the “File” item in the list of menus.

**3.)** The user then clicks the “Add item” under the “File” menu.

**Alternative:**

**3a.)** The user clicks the “Add item” icon, in the toolbar.

**4.)** The user fills up the information of the item.

**5.)** The user searches the item supplier using a search key.

**6.)** The user may select the item supplier through the auto suggestion box.

**Exception:**

**6a.)** If the supplier does not exist,user may click “Add New Supplier” button to create a new supplier. The supplier is then selected automatically after creating.

**7.)** The user clicks “Submit” button.

**Exception:**

**7a.)** If some of the text fields are missing, a dialog box will popup to advise the user. The user clicks “Ok” button, Repeat Step 4.

**Alternative:**

**7b.)** If the user clicks “Cancel” button, use case exits.

**8.)** The system adds the said item with its relevant information to the database.

**Test Case for Adding Inventory Items (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to add a new item with Item name: “The Bar Citrus Tequila”, an Item Description: “The Bar Citrus Tequila 100mL”, an Item Price: “350” Php, an initial Item Quantity of “30”, and the Supplier: “Universal Brewery” using the search key “univ”.

**When:**

“Jenefer” clicks the “Add item” icon, in the toolbar and fills up a form item with Item name: “The Bar Citrus Tequila”, an Item Description: “The Bar Citrus Tequila 100mL”, an Item Price: “350” Php, an initial Item Quantity of “30”, inputs the search key “univ” and selects the Supplier: “Universal Brewery” and clicks the button “Submit”.

**Then:**

The system adds the item with Item name: “The Bar Citrus Tequila”, an Item Description: “The Bar Citrus Tequila 100mL”, an Item Price: “350” Php, an initial Item Quantity of “30”, the Supplier: “Universal Brewery” to the inventory database.

**Test Case for Adding Inventory Items (Manager)**

**Given:**

Manager “Frederico” wants to add a new item with Item name: “Vodka Martini”, an Item Description: “Vodka Martini 100mL”, an Item Price: “999.00” Php, an initial Item Quantity of “30”, and the Supplier: “San Miguel” using the search key “san”.

**When:**

“Frederico” clicks the “File” item in the menu, and clicks “Add Item” item and fills up a form item with Item name: “Vodka Martini”, an Item Description: “Vodka Martini 100mL”, an Item Price: “999.00” Php, an initial Item Quantity of “30”, inputs the search key “san” and selects the Supplier: “San Miguel” and clicks the button “Submit”.

**Then:**

The system adds the item with Item name: “Vodka Martini”, an Item Description: “Vodka Martini 100mL”, an Item Price: “999.00” Php, an initial Item Quantity of “30”, the Supplier: “San Miguel” to the inventory database.

**Use Case for Generating a List of Items**

* **Name** : Generate list of items
* **Description**: To generate a list of items in the inventory
* **Actor :** Supervisor/Manager/Cashier/Attendant
* **Pre-condition:** The employees must be authenticated to the system. The items’ database must not be empty.
* **Post-condition:** A list of items and their data will be shown to the user.

**Main Course:**

**1.)** The user clicks the “View” item in the list of menus.

**2.)** The user clicks the “Generate Inventory List” item in the dropdown menu.

**3.)** The user then clicks the “Items” item.

**Alternative:**

**3a.)** The user clicks the “Generate Items” icon, in the toolbar.

**4.)** A list of items and their respective data is printed to the screen.

**Test Case for Generating a List of Items (Manager)**

**Given:**

Manager “Frederico” wants to check the list of current items.

**When:**

“Frederico” clicks the “View” item in the list of menus, then the “Generate Inventory List”, then the “Items” item menu.

**Then:**

The system prints a list of items and their information to the screen.

**Test Case for Generating a List of Items (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to check the list of current items.

**When:**

“Jenefer” clicks the “View” item in the list of menus, then the “Generate Inventory List”, then the “Items” item menu.

**Then:**

The system prints a list of items and their information to the screen.

**Test Case for Generating a List of Items (Cashier)**

**Given:**

Cashier “Robert” wants to check the list of current items.

**When:**

“Robert” clicks the “Generate Items” icon, in the toolbar.

**Then:**

The system prints a list of items and their information to the screen.

**Test Case for Generating a List of Items (Attendant)**

**Given:**

Attendant “Franky” wants to check the list of current items.

**When:**

“Franky” clicks the “Generate Items” icon, in the toolbar.

**Then:**

The system prints a list of items and their information to the screen.

**Use Case for Updating Item Information**

* **Name** – Updating Item Information.
* **Description** – Updates the item’s information.
* **Actor** – Supervisor/Manager.
* **Pre – conditions** – The Supervisor/Manager successfully authenticates to the system.
* **Post – conditions** – The system updates the item and its information in the inventory.

1. The user wants to update a specific item in the inventory.
2. The user clicks the “Edit” item in the list of menus.
3. The user clicks “Update Inventory” in the submenu.
4. The user then clicks the “Item Information” item.
5. The user inputs a search key to the textbox field.
6. The user clicks the “Search” button.
7. The system provides a matching data based on the search key.

**Exception:**

**7a.)** If the search key does not match for any of the list of items in the inventory. Repeat step 5 or Use case exits.

**Alternative:**

**7b.)** If the item has multiple descriptions, the user may change the item description using the drop down text provided for each description of that said item.

1. The user updates the information of the item.
2. The user clicks the “Update” button.

**Exception:**

**9a.)** If some of the text fields are missing, a dialog box will popup to advise the user. The user clicks “Ok” button, Repeat Step 8.

**Alternative:**

**9b.)** If the user clicks “Cancel” button, use case exits.

1. The user is prompted a confirmation dialog before updating.
2. The user clicks “Ok” button.

**Alternative:**

**11a.)** If the user clicks “Cancel” button. Repeat Step 8.

1. The updated information updates the database.

**Test Case for Updating Inventory Items (Supervisor)**

**Given**:

Supervisor “Jenefer” wants to update the item information of Item Name: “Red Horse Beer” using the search key “red” and updating its quantity of “60” to “120”.

**When:**

Jenefer clicks “Edit” item in the list of menus, then clicks “Update Inventory”, then clicks “Item Information”, then inputs the search key “red horse”, clicks the “Search” button then changes the value of the quantity to “120” then clicks the “Update” button and finally clicks the “Ok” button in the confirmation dialog.

**Then:**

The system updates the item with Item Name: “Red Horse Beer” with quantity from “60” to “120” in the inventory database.

**Test Case for Updating Inventory Items (Manager)**

**Given**:

Manager “Frederico” wants to update the item information of Item Name: “Novelino” using the search key “novel” and updating its price of “600” to “999”.

**When:**

Frederico clicks “Edit” item in the list of menus, then clicks “Update Inventory”, then clicks “Item Information”, then inputs the search key “novel”, clicks the “Search” button then changes the value of the price to “999” then clicks the “Update” button and finally clicks the “Ok” button in the confirmation dialog.

**Then:**

The system updates the item with Item Name: “Novelino” with price from “600” to “999” in the inventory database.

**Use Case for Searching Inventory**

* **Name** : Inventory Searching
* **Description**: To check if the item in the inventory is available.
* **Actor :** Manager/Supervisor/Cashier/Attendant
* **Pre-condition:** The employee must be logged in to the system. The inventory database must not be empty.
* **Post-condition:** The said item and its relevant information is displayed on the screen.

**Main Course:**

1. The user wants to search for an item using a keyword.
2. The user clicks the “View” item in the list of menus.
3. The user then clicks the “Generate Inventory List” item in the submenu.
4. The user selects the inventory to search.

**Alternative:**

**4a.)** The user navigates through the icon toolbar to toggle the search query according to the selected inventory list.

1. The user inputs the search key in the textbox field.
2. The user clicks the “Search” button.
3. The searched item/supplier/sale and its information is displayed on the screen.

**Exception:**

**7a.)** If the user searches for a different type of search key aside from a keyword of the said item from its “Name”, then the information of the desired item will not be displayed.

**7b.)** The item is not found in the inventory. There will be no display of information of that item.

**Test Case for Searching Inventory (Manager)**

**Given:**

Manager “Frederico” wants to check the information of a specific item with search key “Red Horse”.

**When:**

Frederico clicks the “View” item in the menu, “Generate Inventory List” item in the submenu, then “Items” item. “Frederico” inputs search key “Red Horse” in the textbox field and clicks “Search” button.

**Then:**

The system displays the relevant information of the “Red horse” search key.

**Test Case for Searching Inventory (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to check the information of a specific supplier with search key “San”.

**When:**

Jenefer clicks the “View” item in the menu, “Generate Inventory List” item in the submenu, then “Suppliers” item. “Jenefer” inputs search key “San” in the textbox field and clicks “Search” button.

**Then:**

The system displays the relevant information of the “San” search key.

**Test Case for Searching Inventory (Cashier)**

**Given:**

Cashier “Robert” wants to check the information of a specific sale with search key “Emperador”.

**When:**

Robert clicks the “Sales” icon in the toolbar. “Robert” inputs search key “Emperador” in the textbox field and clicks “Search” button.

**Then:**

The system displays the relevant information of the “Emperador” search key.

**Test Case for Searching Inventory (Attendant)**

**Given:**

Attendant “Franky” wants to check the information of a specific sale with search key “Tanduay”.

**When:**

Franky clicks the “Generate Items” icon in the toolbar. “Robert” inputs search key “Tanduay” in the textbox field and clicks “Search” button.

**Then:**

The system displays the relevant information of the “Tanduay” search key.

**Use Case for Cashier Add Sales**

* **Name** – Cashier Add Sales
* **Description** – Allows the cashier to add sales.
* **Actor** – Manager/Supervisor/Cashier
* **Pre – conditions** – The cashier successfully authenticated into the system.
* **Post – conditions** – The cashier logs the sales.

**Main Course:**

**1.)** The user wants to search for the item in the inventory with the description.

**Alternatives:**

**1a.)** If the system is down or there is power interruption, the sales are logged via a log book manually.

**2.)** The user clicks the “File” item in the menu bar.

**3.)** The user clicks the “Add Cashier Sale” item under the “File” menu.

**Alternative:**

**3a.)** The user clicks the “Add Cashier Sale” icon, in the toolbar.

**4.)** The user inputs the item description for the purchased item.

**5.)** The system gives auto suggestions for the item descriptions; the user then may select the appropriate item description.

**6.)** The user inputs the quantity of item equal to the quantity of the purchased item.

**Exception:**

**6a.)** If the purchased quantity is greater than the current stock of the item in the inventory, The system prompts an error. Repeat Step 6.

**6b.)** If the user inputs a non-number, an error message is prompted to the user. Repeat Step 6.

**7.)** The user clicks the “Submit” button.

**8.)** The system updates the quantity of the item in the inventory, logs the sales and the new sale in the sales table is printed to the screen.

**Test Case for Cashier Add Sales (Cashier)**

**Given**:

Cashier “Robert” with username “robert” has a customer who buys “Tequila 750ml” with quantity of “3” with price of “300Php and the current quantity of that item in the inventory is “10” using a search key “Tequila”.

**When:**

Robert clicks the “Add Cashier Sale” icon, in the toolbar. The cashier inputs the search key “Tequila” for the item description and selects the auto suggested item description of “Tequila 750ml” to the dropdown text field and inputs quantity of “3”, then clicks the “Submit” button.

**Then:**

The system updates the quantity of the item with Item Description: “Tequila 750ml” from “10” to “7”, and adds a new row in the list of sales containing the Item: “Tequila”, Item Description: “Tequila 750ml”, Item Price: “300”, Quantity: “3”, Total Price: “900”, the logged employee with username: “robert” and the sale information is added to the database.

**Test Case for Cashier Add Sales (Manager)**

**Given**:

Manager “frederico” with username “frederico” has a customer who buys “Tanduay Ice 500mL” with quantity of “3” with price of “20Php and the current quantity of that item in the inventory is “10” using a search key “Tanduay”.

**When:**

Robert clicks the “File” item in the menu bar, then clicks the “Add Cashier Sale” item in the submenu. The manager inputs the search key “Tanduay” for the item description and selects the auto suggested item description of “Tanduay Ice 500mL” to the dropdown text field and inputs quantity of “3”, then clicks the “Submit” button.

**Then:**

The system updates the quantity of the item with Item Description: “Tanduay Ice 500mL” from “10” to “7”, and adds a new row in the list of sales containing the Item: “Tequila”, Item Description: “Tanduay Ice 500mL”, Item Price: “20”, Quantity: “3”, Total Price: “60”, the logged employee with username: “frederico”, and the sale information is added to the database.

**Test Case for Cashier Add Sales (Supervisor)**

**Given**:

Supervisor “Jenefer” with username “jenefer” has a customer who buys “A. Martini 500mL” with quantity of “3” with price of “420Php and the current quantity of that item in the inventory is “23” using a search key “Apple”.

**When:**

Jenefer clicks the “File” item in the menu bar, then clicks the “Add Cashier Sale” item in the submenu. The supervisor inputs the search key “Apple” for the item description and selects the auto suggested item description of “A. Martini 500mL” to the dropdown text field and inputs quantity of “3”, then clicks the “Submit” button.

**Then:**

The system updates the quantity of the item with Item Description: “A. Martini 500mL” from “23” to “20”, and adds a new row in the list of sales containing the Item: “Tequila”, Item Description: “A. Martini 500mL”, Item Price: “420”, Quantity: “3”, Total Price: “1260”, the logged employee with username: “jenefer”, and the sale information is added to the database.

**Use Case for Generating a List of Sales**

* **Name** : Generate list of items
* **Description**: To generate a list of sales
* **Actor :** Supervisor/Manager/Cashier
* **Pre-condition:** The employees must be authenticated to the system. The sales database must not be empty.
* **Post-condition:** A list of sales will be shown to the user.

**Main Course:**

**1.)** The user clicks the “View” item in the list of menus.

**2.)** The user clicks the “Generate Inventory List” item in the dropdown menu.

**3.)** The user then clicks the “Sales” item.

**Alternative:**

**3a.)** The user clicks the “Sales” icon, in the toolbar.

**4.)** A list of sales and their information is printed to the screen.

**Test Case for Generating a List of Sales (Cashier)**

**Given:**

Cashier “Robert” wants to check the list of current sales.

**When:**

Robert clicks the “File” item in the list of menus, then the “Generate Inventory List”, then clicks the “Sales” item.

**Then:**

The system prints a list of sales and their information to the screen.

**Test Case for Generating a List of Sales (Manager)**

**Given:**

Manger “Frederico” wants to check the list of current sales.

**When:**

Frederico clicks the “Sales” icon in the toolbar.

**Then:**

The system prints a list of sales and their information to the screen.

**Test Case for Generating a List of Sales (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to check the list of current sales.

**When:**

Jenefer clicks the “Sales” icon in the toolbar.

**Then:**

The system prints a list of sales and their information to the screen.

**Use Case for Exit**

* **Name** : Exit
* **Description**: The application exits
* **Actor :** Manager/Supervisor/Cashier/Attendant
* **Pre-condition:** The employees must be authenticated to the system.
* **Post-condition:** Closes the application software.

**Main Course:**

1. The user clicks “File” in the menu.
2. The user clicks Exit.

**Alternative:**

**2a.)** The user can press “Alt” + “Q” at the same time to exit.

1. The user is prompted a confirmation to exit.
2. The user clicks “Ok” button.

**Exception:**

**4a.)** If the user clicks the “Cancel” button, use case exits.

1. The application software exits.

**Test Case for Exit (Manager)**

**Given:**

Manager “Frederico” wants to close the application.

**When:**

Frederico clicks “File”, then “Exit”, and clicks “Ok” button.

**Then:**

The application exits.

**Test Case for Exit (Supervisor)**

**Given:**

Supervisor “Jenefer” wants to close the application.

**When:**

Jenefer clicks “File”, then “Exit”, and clicks “Ok” button.

**Then:**

The application exits.

**Test Case for Exit (Cashier)**

**Given:**

Cashier “Robert” wants to close the application.

**When:**

Robert presses “Alt+Q”, and clicks “Ok” button.

**Then:**

The application exits.

**Test Case for Exit (Attendant)**

**Given:**

Attendant “Franky” wants to close the application.

**When:**

Franky presses “Alt+Q”, and clicks “Ok” button.

**Then:**

The application exits.