**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** : Employees.
* **Pre-condition:** The employee is present at work.
* **Post-condition:** The system grants access privileges to the system.

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

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

**Exception:**

**2a.)** If the employee fails to authenticate for the first try. Repeat Step 2.

**Alternative:**

**2b.)** If the employee’s succeeding attempts fails to authenticate to the system, the employee can ask for a password reset to his/her supervisor/manager.

**3.)** The Employee will then be successfully logged (authenticated) to the system.

**Test Case for Login System**

**Given:**

Attendant “Franky” goes to work.

**When:**

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

**Then:**

Franky successfully authenticates to the system.

**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.

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.
4. The user fills up the necessary information in the form.
5. The user clicks the “Submit” button.

**Alternative:**

**5a.)** 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**

**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 “File” item in the menu, then the “Add supplier” item in the submenu. “Jenefer” fills up the information as “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, will be 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 :** Employees
* **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.

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

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

**Given:**

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

**When:**

“Frederico” 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.

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 keyword to the textbox field.
6. The user clicks the “Search” button

**Exception:**

**6a.)** If the keyword does not match for any of the list of supplier names in the inventory. Repeat step 5 or Use case exits.

**Alternative:**

**6b.)** If the supplier has multiple information, user may change the item description using a drop down text of the list of available descriptions.

1. The user then updates the information of the supplier and clicks the “Update” button.
2. The updated information updates the database.

**Test Case for Updating Suppliers**

**Given**:

Supervisor “Juanita” wants to update the supplier information of Supplier Name: “Universal Brewery” with contact number of “2238456” and change it to “09586314646”.

**When:**

“Juanita” clicks “Edit” item in the list of menus, then clicks “Update Inventory”, then clicks “Supplier Information”, then inputs the keyword “Universal Brewery”, clicks the “Search” button then changes the value of the contact number to “09586314646” and finally clicks the “Update” button.

**Then:**

The system updates the supplier information with Supplier Name: “Universal Brewery” with contact number from “2238456” to “09586314646” 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. There must be an existing supplier in the database for the said item.
* **Post-condition:** The said item and its relevant information is added to the inventory database.

**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.

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

**Exception:**

**4a.)** If the item already exists, the user inputs a different description for that item.

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

**Test Case for Adding Inventory Items**

**Given:**

Supervisor “Spaghetti” wants to add a new item with Item name: “The Bar Citrus Tequila”, an Item Description: “1 Liter”, an Item Price: “350.00Php”, an initial Item Quantity of “30”, and the Supplier: “Universal Brewery” to the database.

**When:**

“Spaghetti” fills up a form item with Item name: “The Bar Citrus Tequila”, an Item Description: “1 Liter”, an Item Price: “350.00Php”, an initial Item Quantity of “30”, 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: “1 Liter”, an Item Price: “350.00Php”, an initial Item Quantity of “30”, the Supplier: “Universal Brewery” 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/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.

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

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

**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.

**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 keyword to the textbox field.
6. The user clicks the “Search” button

**Exception:**

**6a.)** If the keyword does not match for any of the list of items in the inventory. Repeat step 5 or Use case exits.

**Alternative:**

**6b.)** If the item has multiple descriptions, user may change the item description drop down text.

1. The user then updates the information of the item and clicks the “Update” button.
2. The updated information is updates the database.

**Test Case for Updating Inventory**

**Given**:

Supervisor “Juanita” wants to update the item information of Item Name: “Red Horse Beer” with quantity of “60” and change it to “120”.

**When:**

“Juanita” clicks “Edit” item in the list of menus, then clicks “Update Inventory”, then clicks “Item Information”, then inputs the keyword “Red Horse Beer”, clicks the “Search” button then changes the value of the quantity to 120 and finally clicks the “Update” button.

**Then:**

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

**Use Case for Searching Inventory**

* **Name** : Inventory Searching
* **Description**: To check if the item in the inventory is available.
* **Actor :** Supervisor/Manager/Attendant
* **Pre-condition:** The supervisor/manager 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.

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 clicks the “Items” item under the “Generate Inventory List”.
5. The user inputs the keyword for the “Item Name” in the textbox field.
6. The user clicks the “Search Items” button.
7. The searched item and its information is displayed on the screen.

**Exception:**

**7a.)** If the user searches for a different type of query aside from a keyword of the said item from its “Item 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**

**Given:**

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

**When:**

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

**Then:**

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

**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.

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

**Alternatives:**

**1a.)** If the system 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 in under the “File” menu.

**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. Use case exits.

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

**8.)** The system updates the quantity of the item in the inventory and logs the sales.

**Test Case for Cashier Sales**

**Given**:

A customer buys “Tequila 750ml” with quantity of “3” and price of “300Php”at “9:00PM 12/21/2012” and the current quantity of that item in the inventory is “10”.

**When:**

Cashier with username “robert” clicks the “File” item in the menu bar, then clicks the “Add Cashier Sale” item in the submenu. The cashier inputs the keyword 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 date and time of purchase: “12/21/2012 9:00PM”.

**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.

**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.

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

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

**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.