# Casual Use Case Specification: UC 8 Maintain Invoices

**Brief Description: This use case enables the Finance Manager to maintain the invoices**

# Section 1: Business Rule(s):

BR 24: Every invoice must have invoice#, date, customer’s name, at least one product/service item, quantity is more than zero, and price is greater than $0.00 for one item.

BR 25: In order to update generated invoice, the financial manager must choose the customer name from the list.

BR 26: Every request for generating or updating the invoice must be approved by the manager.

# Section 2: Scenarios (HD):

**Scenario 1: Create a new invoice to bill the client**

# Preconditions: The finance manager must be logged into the system, and the main menu is available

| **Step#** | **Actor (Financial manager)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Select “receivables” section | System displays the options for section “receivable” |  |
| 2 | Select “create invoice” request option | Displays blank invoice with generated invoice # and today’ date. System displays the customer name and prompt for addition. | List of customers  Numbers of generated invoices  Current date |
| 3 | Chose the existing customer | The system displays the name, shipping address and mail address of chosen customer. | Customer information: shipping address, mail address. |
| Start loop |  | System prompts for product/service selection. |  |
|  | Chose add product/service function | System displays list of products/services and prompt for addition | List of products/services |
|  | Chose the service | Displays the service chosen in the invoice form. Prompts for quantity and price |  |
|  | Insert the quantity and price | Validates that quantity and price greater than zero. Displays the number of quantity in the invoice form. Displays the price for each service. Displays the total amount for all products and taxes amount. | List of Tax percentages applied for service/product according to area |
| End loop | Validates the information on the screen including date  Finishes to entering the required information | Prompts for confirmation to generate the invoice |  |
| 4 | Approves the invoice generation | Generates the invoice. Created new invoice record in the list of invoices. Prompts user for the printing of the invoice |  |
| 5 | Choses “not to print” | Displays main menu |  |

**Successful Post-Conditions: The new invoice is created**

**Scenario 2: Update an existing invoice without an error**

# Preconditions: The finance manager must be logged into the system, and the main menu is available.

The invoice must be generated.

| **Step#** | **Actor (Financial manager)** | **System** | **Data Used** |
| --- | --- | --- | --- |
| 1 | Select “receivables” section | System displays the options for section “receivable” |  |
| 2 | Selects “find invoice” request option | Displays the list of customers’ names and prompts to select. | List of customers |
| 3 | Chooses the customer | Displays the list of generated invoices, showing invoice #, date, and amount billed. | List of generated invoices |
| 4 | Chooses the invoice | Displays the invoice with options. |  |
| 5 | Chooses update option | Open the invoice in update mode |  |
| 6 | Changes quantity of service provided. | Validates if the quantity more than zero. Recalculates new price and tax amount. Displays update information. Prompts to save changes |  |
| 7 | Saves the updated invoice | Displays main menu |  |

**Successful Post-Conditions: The invoice is successfully updated**