E-Bill Generator

**Introduction**

The Shopping Management Program is designed to help administrators manage product records and allow customers to interactively shop for products, generate bills, and view invoices. This manual provides a step-by-step guide to using the program effectively.

#### Main Menu

Upon running the program, you will encounter the main menu with three options:

* **1. ADMINISTRATOR**: Access administrative functions.
* **2. CUSTOMER**: Access customer functions for shopping and billing.
* **3. EXIT**: Terminate the program.

#### Administrator Functions

##### 1. Create Product Records

* **Option**: ADMINISTRATOR -> Create
* **Steps**:
  + Enter the number of new product records to create.
  + For each record, provide:
    - Product Code (integer)
    - Product Name (string)
    - Quantity (integer)
    - Price (integer)
  + Records are saved in Records.txt.

##### 2. Delete/Modify Product Records

* **Option**: ADMINISTRATOR -> Delete/Modify
* **Steps**:
  + Enter the product number to delete.
  + The product record will be removed from Records.txt.
  + Modifications can be made directly by editing Records.txt (if needed).

##### 3. Display Product Records

* **Option**: ADMINISTRATOR -> Display
* **Function**: View all product records stored in Records.txt.
* The displayed format includes: Product Number, Product Name, Quantity, and Price.

##### 4. Return to Main Menu

* **Option**: ADMINISTRATOR -> Main Menu
* Return to the main menu for selecting another operation.

#### Customer Functions

##### 1. Bill

* **Option**: CUSTOMER -> Bill
* **Steps**:
  + Enter the product number to add to the cart.
  + Enter the quantity desired.
  + Repeat for additional products or choose to exit.
  + Cart contents are temporarily stored for generating invoices.

##### 2. Invoice

* **Option**: CUSTOMER -> Invoice
* **Function**: Generates and displays the invoice for items in the cart.
* The invoice includes: Product Number, Product Name, Price, Quantity, and Total Amount.

##### 3. Display Product Records

* **Option**: CUSTOMER -> Display
* **Function**: View all available product records stored in Records.txt.

##### 4. My Cart

* **Option**: CUSTOMER -> My Cart
* **Function**: Display the current contents of the shopping cart.
* Shows: Product Number, Product Name, Quantity, and Price for each item.

##### 5. Delete Items in Cart

* **Option**: CUSTOMER -> Delete Items in Cart
* **Steps**:
  + Enter the product number to remove from the cart.
  + The item is removed from the temporary cart storage.

##### 6. Return to Main Menu

* **Option**: CUSTOMER -> Main Menu
* Return to the main menu for selecting another operation.

#### Exiting the Program

* **Option**: Main Menu -> EXIT
* Choose this option to exit the program gracefully.

#### Error Handling

* The program includes basic error handling for invalid inputs and file operations.
* Messages are displayed to guide the user on corrective actions.

#### Notes

* **File Management**: Ensure Records.txt and Quantity.txt are accessible and correctly formatted.
* **Password**: The administrator section is password-protected with the password progto.