



SALES INVOICE GENERATOR

Front End Testing Nano Degree Program



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MAY 30, 2022

VERSION 3.0

Design

Sales Invoice Generator

File

Invoices Table

No.	Date	Customer	Total
1	22-11-2020	Ali	3370.0
2	13-10-2021	Saleh	4035.0

Create New InvoiceDelete Invoice

Invoice Number1

Invoice Date22-11-2020

Customer NameAli

Invoice Total3370.0

Invoice Items

No.	Item Name	Item Price	Count	Item Total
1	Mobile	3200	1	3200.0
1	Cover	20	2	40.0
1	Headphone	130	1	130.0

Add New ItemSaveCancel

Sales Invoice Generator

File

Load File

Save File

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1

Components

Tables

1. Invoices Table: Contains the headers of all loaded invoices
2. Invoice Items Table: Contains the items of each invoice header and loads on selecting the header from Invoices Table

Buttons

1. Create New Invoice Button: Creates a new row in the Invoices Table to hold header data of the new invoice
2. Delete Invoice Button: Deletes selected Invoice from Invoices Table
3. Add New Item Button: Adds a new row in the Invoice Items Table to add new items to current invoice
4. Save Button: Saves changes on invoices and negates empty ones.
5. Cancel Button: Reverts changes on invoices in the Invoices Table

Text Fields

1. Invoice Date Text Field: Shows the date of the selected invoice from Invoices Table
2. Customer Name Text Field: Shows the name of customer of the selected invoice from Invoices Table

Labels

1. Invoices Table Label
2. Invoice Number Label
3. Invoice Total Label

Titled Border

1. Invoice Items Titled Border

File Menu Items

1. Load File: Loads two CSV files, the first file is the Invoice Header Data File and the second file is the Invoice Line Data File.
2. Save File: Saves the latest saved status of data in two selected CSV files. The first file is the Invoice Header Data File and the second file is the Invoice Line Data File

Updates

- Version 2.0
 1. Replaced loading files using relative path with loading files using file chooser due to security issues.
 2. Added date validation to Invoice Header Table
- Version 3.0
 1. Fixed Null output data to CSV files when clicking on Save File button from file menu item before clicking on Save button to save status of program
 2. Worked on design to make new invoices have free slots to hold new items
 3. Deletion of invoice items feature: deletion of an invoice item from invoice item table is by deleting the invoice item name that needs to be deleted. Delete the invoice item name which is inside the item name column and pressing on save button after clicking on enter to verify operation to the table and get unselected