

UI Design:

The main User Interface is "Invoice_Create.php" as shown below.

Navigation Bar

+ Save

Test (PTY) Ltd

8 Denzel Close
Pietermaritzburg, 3201
07291245353
Fax: 07291245353-8
www.google.co.za

Prepopulated data based on login

Prepopulated data based on login

INVOICE

DATE	11/16/2022
INVOICE #	Pending
CUSTOMER ID	1
DUE DATE	yyyy/mm/dd

BILL TO (Select a customer ID)

Malcolm
MNL1 PTY Ltd
8 Denzel Close
Pietermaritzburg
3201

DESCRIPTION	TAXED	AMOUNT		
TEST	X	1	Update	Delete
TEST2	X	1	Update	Delete
		0.00	Add Item	

OTHER COMMENTS
 1. Total payment due 30 days
 2. Please include the invoice number on your check

Sub total	2
Taxable	1
Tax rate	15.0
Tax due	0.15
OTHER	0.00
TOTAL	2.15

Mark all checks payable to
Test (PTY) Ltd

If you have any questions about this invoice, please contact
Malcolm, 07291245353, malcolm.indha@gmail.com

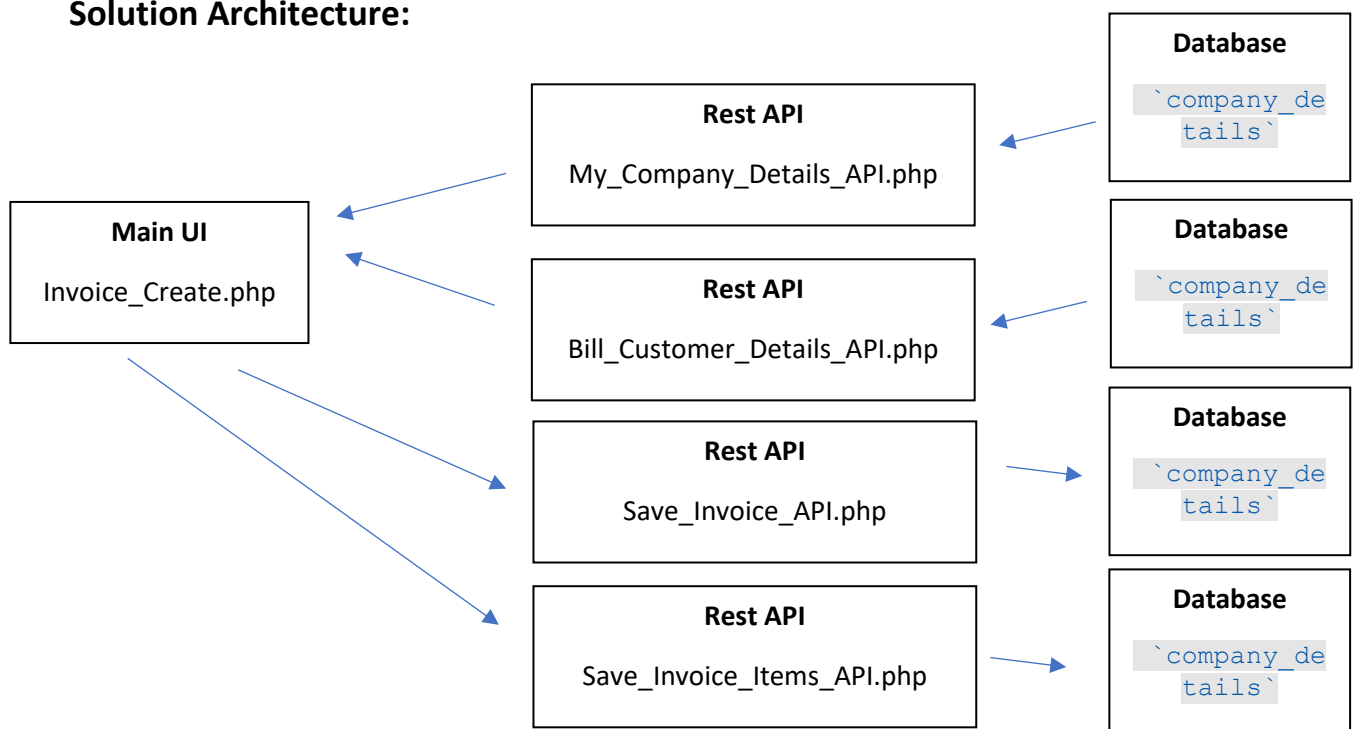
Thank You For Your Business!

Customer ID auto search when typed in.

This UI consists of dynamic fields and tables which integrate live with the API's without refreshing the page.

NOTE: Database tables have been prepopulated with data as shown in the examples.

Solution Architecture:



Database Design and Scripts:

There is one database which contains the following tables:

- company_details – This table stores the main logged in companies details to prepopulate invoice fields.
- customer_details – This table contains each customers details to pull to the invoice.
- invoice_entry – This table store each invoices details excluding the line items.
- invoice_items – This table stores each line item of each invoice which can be linked via the foreign key to the invoice_entry table which together forms the full invoice.

Database Scripts to create the above tables:

company_details:

```
CREATE TABLE `company_details` (  
  `CompanyID` int(11) NOT NULL AUTO_INCREMENT,  
  `Name` text DEFAULT NULL,  
  `Addr_Street` text DEFAULT NULL,  
  `Addr_City` text DEFAULT NULL,  
  `Addr_STZip` text DEFAULT NULL,  
  `Phone` text DEFAULT NULL,  
  `Fax` text DEFAULT NULL,  
  `Website` text DEFAULT NULL,  
  `contact_name` text DEFAULT NULL,  
  `email` text DEFAULT NULL,  
  PRIMARY KEY (`CompanyID`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8
```

customer_details:

```
CREATE TABLE `customer_details` (  
  `Bill_Customer_ID` int(11) NOT NULL AUTO_INCREMENT,  
  `Bill_Name` text DEFAULT NULL,  
  `Bill_Company` text DEFAULT NULL,  
  `Bill_Street` text DEFAULT NULL,  
  `Bill_City` text DEFAULT NULL,  
  `Bill_Zip` text DEFAULT NULL,  
  `Bill_Phone` text DEFAULT NULL,  
  PRIMARY KEY (`Bill_Customer_ID`)  
) ENGINE=InnoDB AUTO_INCREMENT=2 DEFAULT CHARSET=utf8
```

invoice_entry:

```
CREATE TABLE `invoice_entry` (  
  `ID` int(11) NOT NULL AUTO_INCREMENT,  
  `My_Company_ID` text DEFAULT NULL,  
  `Company_Name` text DEFAULT NULL,  
  `Company_Add1` text DEFAULT NULL,  
  `Company_Add2` text DEFAULT NULL,  
  `Company_Phone` text DEFAULT NULL,  
  `Company_Fax` text DEFAULT NULL,  
  `Company_Website` text DEFAULT NULL,  
  `INV_Date` text DEFAULT NULL,  
  `Customer_ID` text DEFAULT NULL,  
  `INV_Due_Date` text DEFAULT NULL,  
  `Bill_Name` text DEFAULT NULL,  
  `Bill_Company` text DEFAULT NULL,  
  `Bill_Street` text DEFAULT NULL,  
  `Bill_City` text DEFAULT NULL,
```

```

`Bill_Phone` text DEFAULT NULL,
`Other_Comments` text DEFAULT NULL,
`Sub_Total` float DEFAULT NULL,
`Taxable` float DEFAULT NULL,
`Tax_Rate` float DEFAULT NULL,
`Tax_Due` float DEFAULT NULL,
`Other` float DEFAULT NULL,
`Total` float DEFAULT NULL,
`INV_Contact_Information` text DEFAULT NULL,
PRIMARY KEY (`ID`)
) ENGINE=InnoDB AUTO_INCREMENT=101 DEFAULT CHARSET=utf8

```

invoice_items:

```

CREATE TABLE `invoice_items` (
  `Item_ID` int(11) NOT NULL AUTO_INCREMENT,
  `Invoice_Number` int(11) DEFAULT NULL,
  `Item_Description` text DEFAULT NULL,
  `Item_Tax_Check` text DEFAULT NULL,
  `Item_Amount` float DEFAULT NULL,
  PRIMARY KEY (`Item_ID`)
) ENGINE=InnoDB AUTO_INCREMENT=33 DEFAULT CHARSET=utf8

```

File Structure:

