

# Requirements

## Hardware ::-

- Printer to print the project report.
- Compact Disc.
- Ram 4 GB.

## Software ::-

- Operating System Windows 10 or any main stream operating system that support python programming .
- Python installed
- SQL installed
- WPS word for report presentation.

# General Description

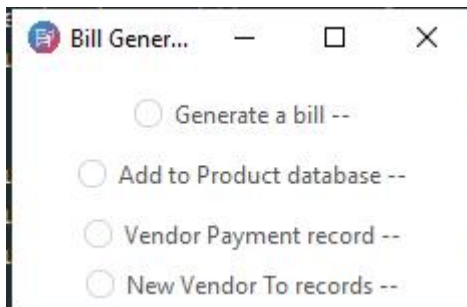
"Bill Generating and Inventory Management System is a software used to comfort the shopkeeper or any one running their commercial entity , which allows them to seamlessly manage their data of their products with their prices , and vendors and also allows them to generate the bill for the customer to manage their billing task comfortably. With all this It also allows shopkeepers to add new vendors and to maintain the record of dues and payments of each vendor.

Here are some features of this Bill management system -

- ◆ Add new product with it's price in records easily.
- ◆ Manage stock and vendor dues .
- ◆ Add a new Vendor seamlessly.
- ◆ Store add the records in SQL database.
- ◆ Basket to add number of products.
- ◆ The final bill gets printed with total cost including GST .
- ◆ GUI interface for easy and efficient interaction between user and program.

# Output

## # First Window:



Bill Gener... — □ ×

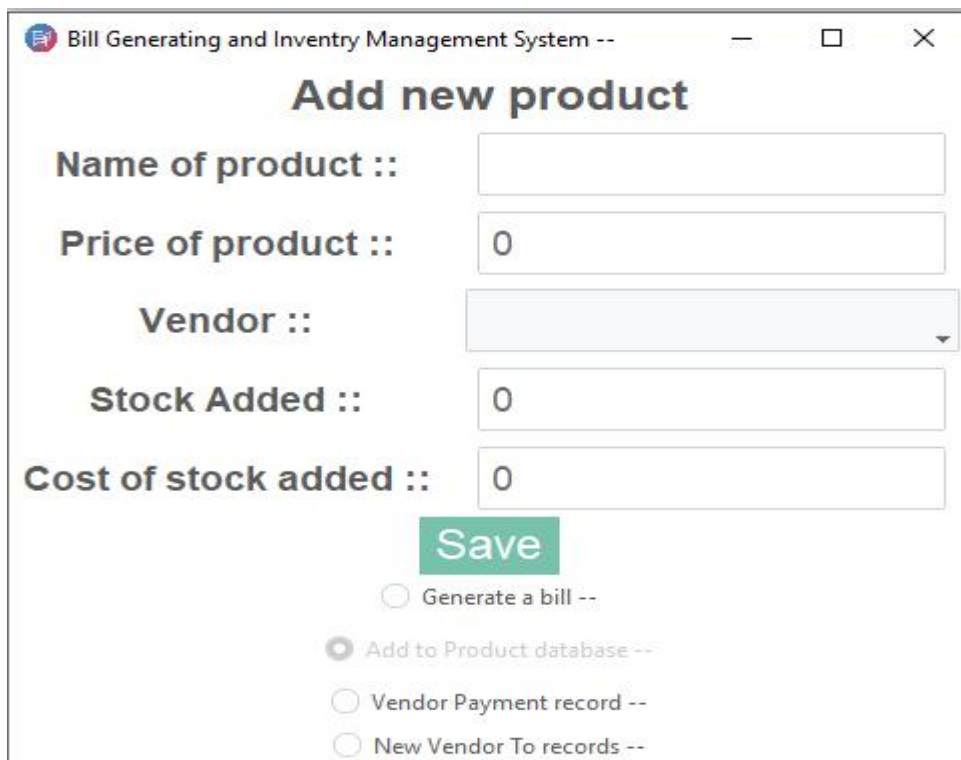
☐ Generate a bill --

☐ Add to Product database --

☐ Vendor Payment record --

☐ New Vendor To records --

## # Adding product to records :



Bill Generating and Inventory Management System -- — □ ×

### Add new product

Name of product ::

Price of product ::

Vendor ::

Stock Added ::

Cost of stock added ::

**Save**

☐ Generate a bill --

☒ Add to Product database --

☐ Vendor Payment record --

☐ New Vendor To records --

## -- Before :

```
mysql> select * from product;
```

pro_name	price	vendor	quant_stock
RS Aggarwal	397	S-Chand	13
HC Verma	543	Dhanpat Rai	8
DC Pandey	432	Oxford	11
Pradeep Chemistry	479	S-Chand	13
Jee 5 year PYQ	326	Cambridge	12
PW Module	342	RS Limited	21
RD Sharma	457	Dhanpat Rai	26
Sample Papers	128	Surya Prints	19
Physics Galaxy	670	S-Chand	9

9 rows in set (0.02 sec)

Bill Generating and Inventory Management System --

## Add new product

Name of product ::

Price of product ::

Vendor ::

Stock Added ::

Cost of stock added ::


☐ Generate a bill --

☒ Add to Product database --

☐ Vendor Payment record --

☐ New Vendor To records --

Saving file to record

 SL Arora added to record !

-- After :

```
mysql> select * from product;
```

pro_name	price	vendor	quant_stock
RS Aggarwal	397	S-Chand	13
HC Verma	543	Dhanpat Rai	8
DC Pandey	432	Oxford	11
Pradeep Chemistry	479	S-Chand	13
Jee 5 year PYQ	326	Cambridge	12
PW Module	342	RS Limited	21
RD Sharma	457	Dhanpat Rai	26
Sample Papers	128	Surya Prints	19
Physics Galaxy	670	S-Chand	9
SL Arora	723	Dhanpat Rai	21

10 rows in set (0.00 sec)

## # Generating Bill:

Bill Generating and Inventory Management System --

Generate bill

Product ::

Quantity ::

Add to basket

Product	Quantity	Cost
---------	----------	------

Generate

☒ Generate a bill --

☐ Add to Product database --

☐ Vendor Payment record --

☐ New Vendor To records --

Stock

Stock Left

- RS Aggarwal - 11
- HC Verma - 8
- DC Pandey - 10
- Pradeep Chemistry - 13
- Jee 5 year PQ - 12
- PW Module - 18
- RD Sharma - 26
- Sample Papers - 19
- Physics Galaxy - 9
- SL Arora - 21

OK

bill - Notepad

File Edit Format View Help

Product - Quantity - Cost

DC Pandey - 1 - 432

PW Module - 3 - 1026

RS Aggarwal - 2 - 794

Service Tax (G.S.T) 18% = 405

Amount= 2657

100% Windows (CRLF) UTF-8

Bill Generating and Inventory Management System --

Generate bill

Product ::

Quantity ::

Add to basket

Product	Quantity	Cost
DC Pandey	1	432
PW Module	3	1026
RS Aggarwal	2	794

Generate

☒ Generate a bill --

☐ Add to Product database --

☐ Vendor Payment record --

☐ New Vendor To records --

--" You can add products in basket , and after pressing Generate bill will be generate and left stock will be Shown , also the stock in database server will be automatically changed ."

## # Add new Vendor to Database ::

The screenshot shows two overlapping windows from a 'Bill Generating and Inventory Management System'.

The background window, titled 'Generate bill', contains the following fields and controls:

- Product ::** A dropdown menu with 'RS Aggarwal' selected.
- Quantity ::** A spinner box with the value '2'.
- Add to basket**: A green button.

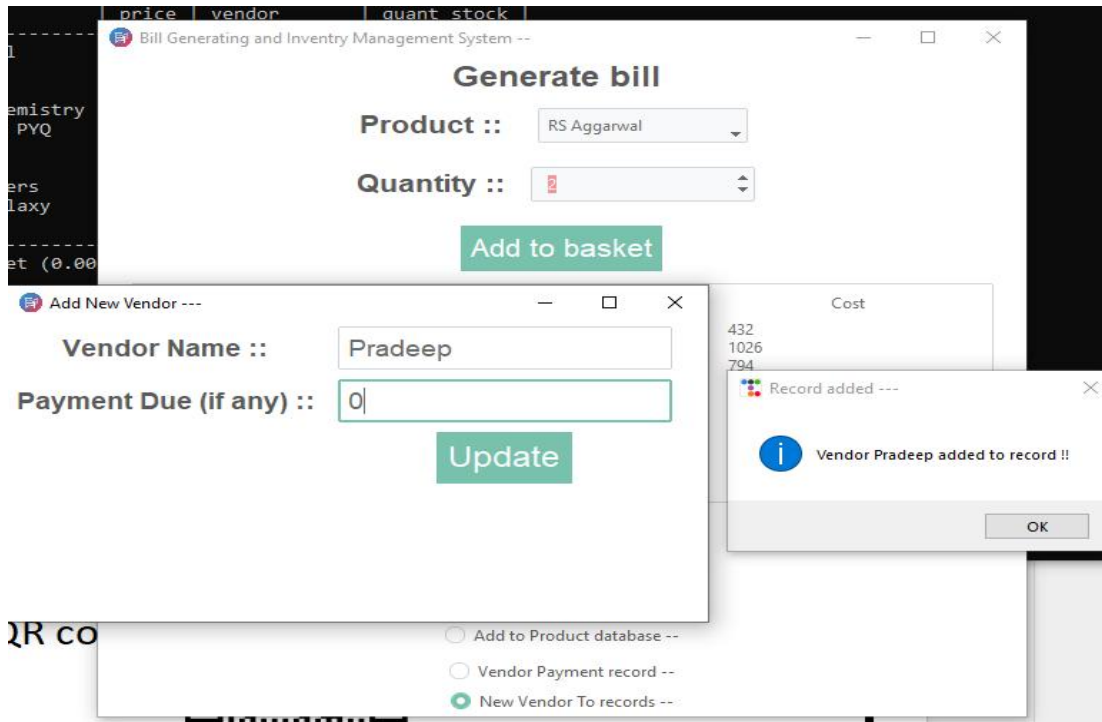
The foreground window, titled 'Add New Vendor ---', contains the following fields and controls:

- Vendor Name ::**: An empty text input field.
- Payment Due (if any) ::**: A text input field with the value '0'.
- Update**: A green button.

Below the 'Add New Vendor' window, a status bar indicates 'New Vendor To records --'.

-- Before:

```
mysql> select * from vendor;
+-----+-----+
| v_name   | price_due |
+-----+-----+
| RS Limited   | 9600      |
| Dhanpat Rai  | 24700     |
| S-Chand      | 25500     |
| Oxford       | 10000     |
| Cambridge    | 17700     |
| Surya Prints | 1746      |
+-----+-----+
6 rows in set (0.00 sec)
```



-- After:

```
mysql> select * from vendor;
+-----+-----+
| v_name | price_due |
+-----+-----+
| RS Limited | 9600 |
| Dhanpat Rai | 24700 |
| S-Chand | 25500 |
| Oxford | 10000 |
| Cambridge | 17700 |
| Surya Prints | 1746 |
| Pradeep | 0 |
+-----+-----+
7 rows in set (0.00 sec)
```

## # Dues and payment management of Vendors::

Bill Generating and Inventory Management System --

Vendor payment Mangement ---

Vendor ::

Amount Due :: 0

Price paid to Vendor ::

☐ Generate a bill --

☐ Add to Product database --

☒ Vendor Payment record --

☐ New Vendor To records --

Vendor payment Mangement ---

Vendor ::

Amount Due :: 17700

Price paid to Vendor ::

Vendor payment Mangement ---

Vendor ::

Amount Due :: 17200

Price paid to Vendor ::

☐ Generate a bill --

☐ Add to Product database --

☒ Vendor Payment record --

☐ New Vendor To records --

Chnges are executed....

OK



# Limitations and scope of improvements

- This program do not indicate the unit for the pricing like per dozen , per KG and more , this can also be added to make it more helpful in real life practical scenarios.
- With increase in Number of vendors and products it will be tough to find desired result so something like searching and iteration among list can make it more easy to use in actual scenarios.