

# RESTAURANT TABLE RESERVATION SYSTEM

## Description:

Welcome to the Restaurant Table Reservation System repository! This desktop software offers a comprehensive solution for efficiently booking tables depending on the number of seats required in a restaurant. Developed using Python, specifically leveraging the Tkinter library for GUI design, this software provides an intuitive interface for customers to view occupied and available tables, book tables depending on their requirements, viewing data as a restaurant manager and billing tasks efficiently.

## Key Features:

- **Home Page:** Gives the user two options which are Customer Login and Manager Login.
- **Customer Login:** It consists of fields to enter the customer's name, their mobile number and their email address. If all the fields are valid, direct to Customer View Page.
- **Restaurant Manager Login:** It consists of fields to enter the manager's name, their email address and password. If all the fields are valid, direct to Manager View Page.
- **Customer View Page:** It consists of the tables and displays their occupancy status. It allows the customer to book tables depending on the number of seats required by them. It sends a mail to the customer if the seat is booked by them.
- **Manager Page:** It consists of the details of the customer's name, mobile number, and their allotted table. It also has option to pay the bill for a particular table.
- **Bill Payment Page:** It consists of field to enter the table number. If the field is valid, the table occupied by the customer will now be available.

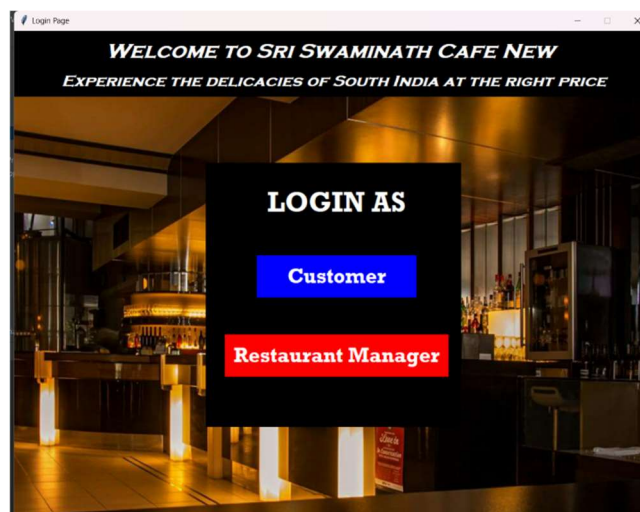
## How to access this software?

Install Python language from

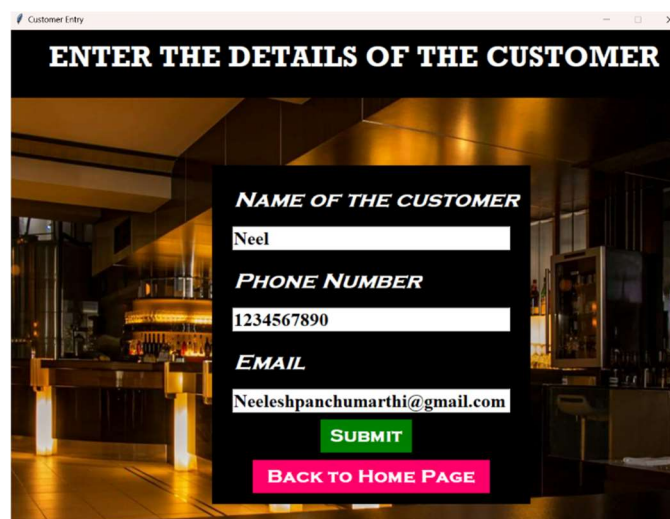
<https://www.python.org/downloads/>

1. Clone the repository or the zip file uploaded.
2. Install Tkinter if you are using visual studio or any other interpreter. If the interpreter is IDLE, it is not required.
3. Looking at the screenshot follow the steps:

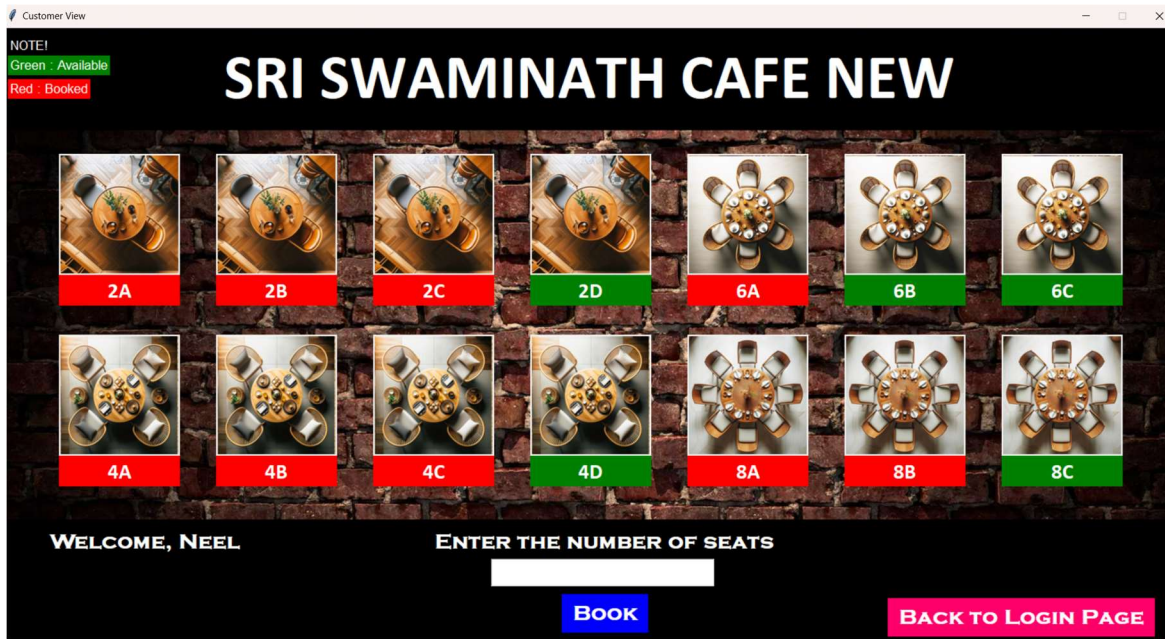
### LOGIN PAGE



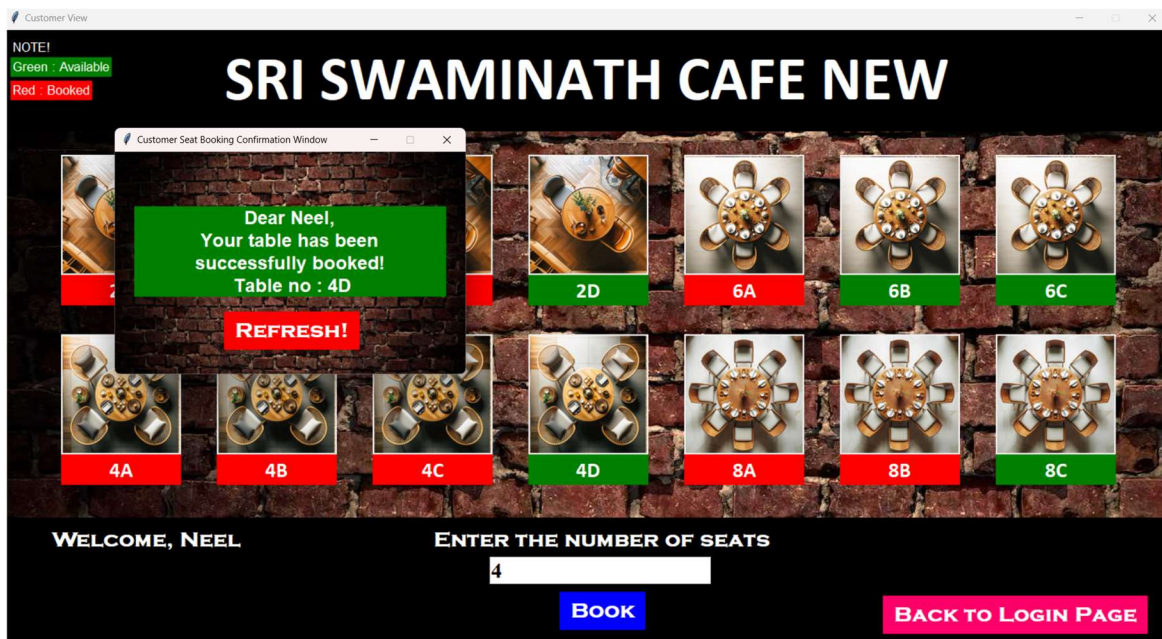
### FOR CUSTOMER LOGIN



FOR DISPLAYING THE AVAILABLE TABLES TO THE CUSTOMERS



FOR DISPLAYING CONFIRMATION NOTIFICATION FOR SEAT BOOKING












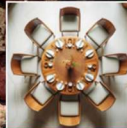




## FOR UPDATED SEAT AFTER BOOKING

Customer View

NOTE!  
Green : Available  
Red : Booked

# SRI SWAMINATH CAFE NEW

 2A	 2B	 2C	 2D	 6A	 6B	 6C
 4A	 4B	 4C	 4D	 8A	 8B	 8C

WELCOME, NEEL

ENTER THE NUMBER OF SEATS

[BOOK](#) [BACK TO LOGIN PAGE](#)

## CUSTOMER MAIL FROM ADMIN

Gmail

Search mail

1 of 269

This mail is to inform you that your booking at Sri Swaminath Cafe is confirmed.Have a fine Dining!

[sriswaminathcafe4@gmail.com](#)  
to me

6:22 PM (3 hours ago)

These are the details regarding your booking at our restaurant.We hope that you have a good experience and come later in the future.  
Your Booked table is Confirmed, Your table no is: 4D  
For any queries and complaints regarding any facility at our restaurant,We are all ears to feedbacks and dont hesitate in sending us a mail to [Sriswaminathcafe4@gmail.com](mailto:Sriswaminathcafe4@gmail.com) or call 9790901427.

[Reply](#) [Forward](#)

4 deleted messages in this conversation. [View messages](#) or [delete forever](#).



## FOR MANAGER LOGIN

Manager Entry

### ENTER THE DETAILS OF THE MANAGER

**NAME OF THE MANAGER**

**EMAIL ID**

**PASSWORD**

**SUBMIT**

**NEW MANAGER? CREATE ACCOUNT**

**BACK TO HOME PAGE**

## FOR MANAGER SIGN UP PAGE

Manager Sign Up

### ENTER THE DETAILS OF THE NEW MANAGER

**NAME OF THE MANAGER**

**EMAIL ID**


**PASSWORD**

**CREATE ACCOUNT**

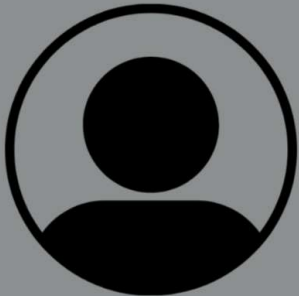
## FOR MANAGER VIEW

Manager View

# SRI SWAMINATH CAFE NEW



S.No	Name of the customer	Phone number	Alloted seats
1	nlhgh	1234567890	2A
2	neelesh	7899456123	4A
3	neelesh	1122334455	2B
4	neelesh	7788994455	3A
5	sanjay	1234567890	8A
6	sanjay	1234567890	6A
7	Neelesh	1234567890	4B
8	ifcko	1234567890	4C
9	nlhgh	1234567890	8B
10	neelesh	1234567890	2C



Name: Lokesh  
ID: lokeshdir@gmail.com

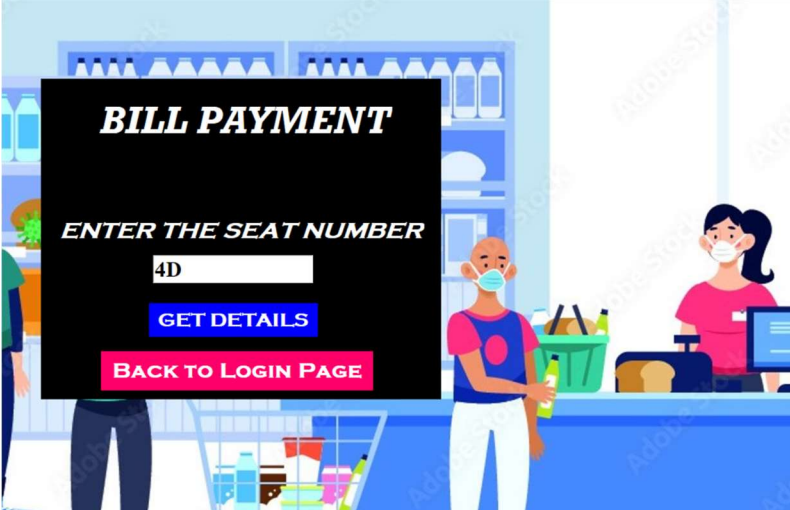
CLEAR

BACK TO LOGIN PAGE

## FOR BILL PAYMENT SYSTEM – ENTERING THE TABLE NUMBER

Billing system

# SRI SWAMINATH CAFE NEW



## BILL PAYMENT

ENTER THE SEAT NUMBER

4D

GET DETAILS

BACK TO LOGIN PAGE

## FOR BILL PAYMENT SYSTEM – ENTERING THE BILL AMOUNT

Billing system

### SRI SWAMINATH CAFE NEW

#### BILL PAYMENT

CUSTOMER NAME : NEEL  
MOBILE NUMBER : 1234567890  
SEAT NUMBER : 4D

ENTER THE BILL AMOUNT TO BE PAID :  
(INCLUSIVE OF ALL TAXES)

150

**PAY BILL**

















## FOR TABLE UPDATED AFTER CLEARING TABLE

Customer View

NOTE!  
Green : Available  
Red : Booked

### SRI SWAMINATH CAFE NEW

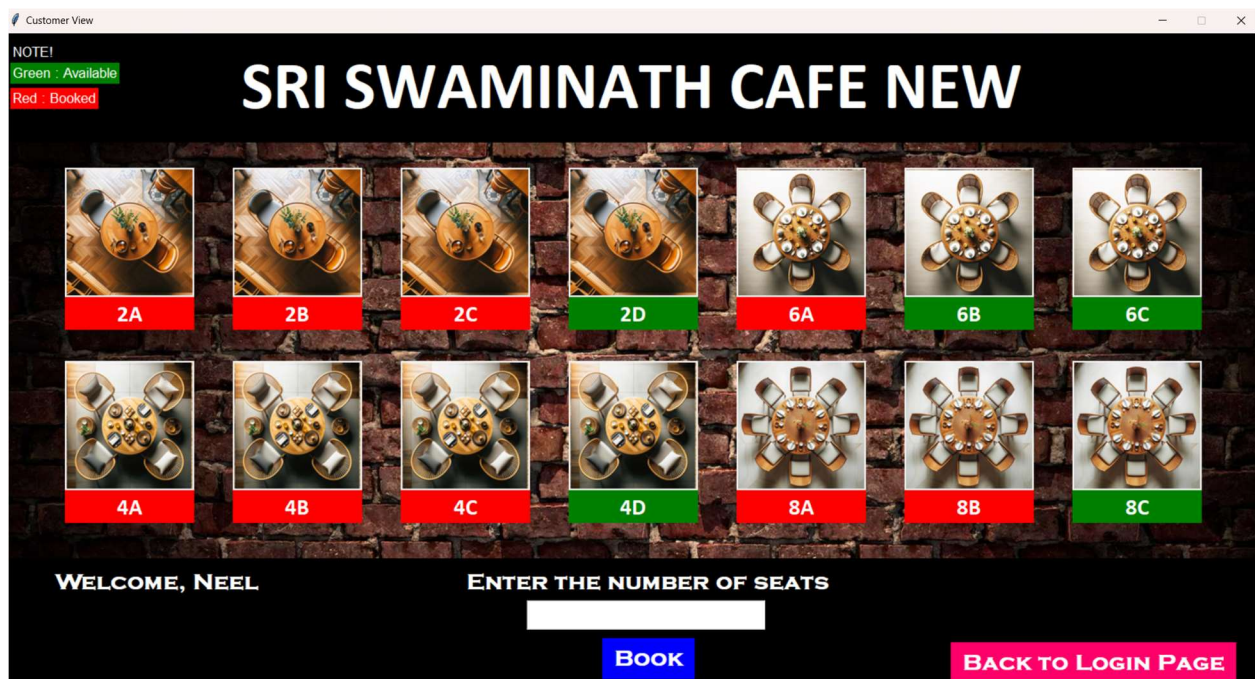
 2A	 2B	 2C	 2D	 6A	 6B	 6C
 4A	 4B	 4C	 4D	 8A	 8B	 8C

WELCOME, NEEL

ENTER THE NUMBER OF SEATS

**BOOK**

**BACK TO LOGIN PAGE**



4. Whether you're a restaurant manager or a customer, this Restaurant Table Reservation System simplifies the process of managing occupied tables, streamlining table bookings and maintaining bill payments effectively. Feel free to explore the codebase, contribute to enhancements, or utilize it for your restaurant needs!

**Credits:**

Naveensivam S

Navin V

Neelesh Panchumarthi

Nikhil S