



MMK CONVULSENTORY SOLUTIONS



Our Team

They offer each other support.



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About Us

MMK Project in Python with front end and mysql as backend, we are going to learn the entire process step by step. We are going to learn starting from the Registration to the discharge of the patient using Python Programming Language.

We all are aware of the Hospital management work. There comes the registration of new patients, the bed, the doctor's details, and the medicines information. The nurses' and the worker's details and lastly the discharge summary of the patient.

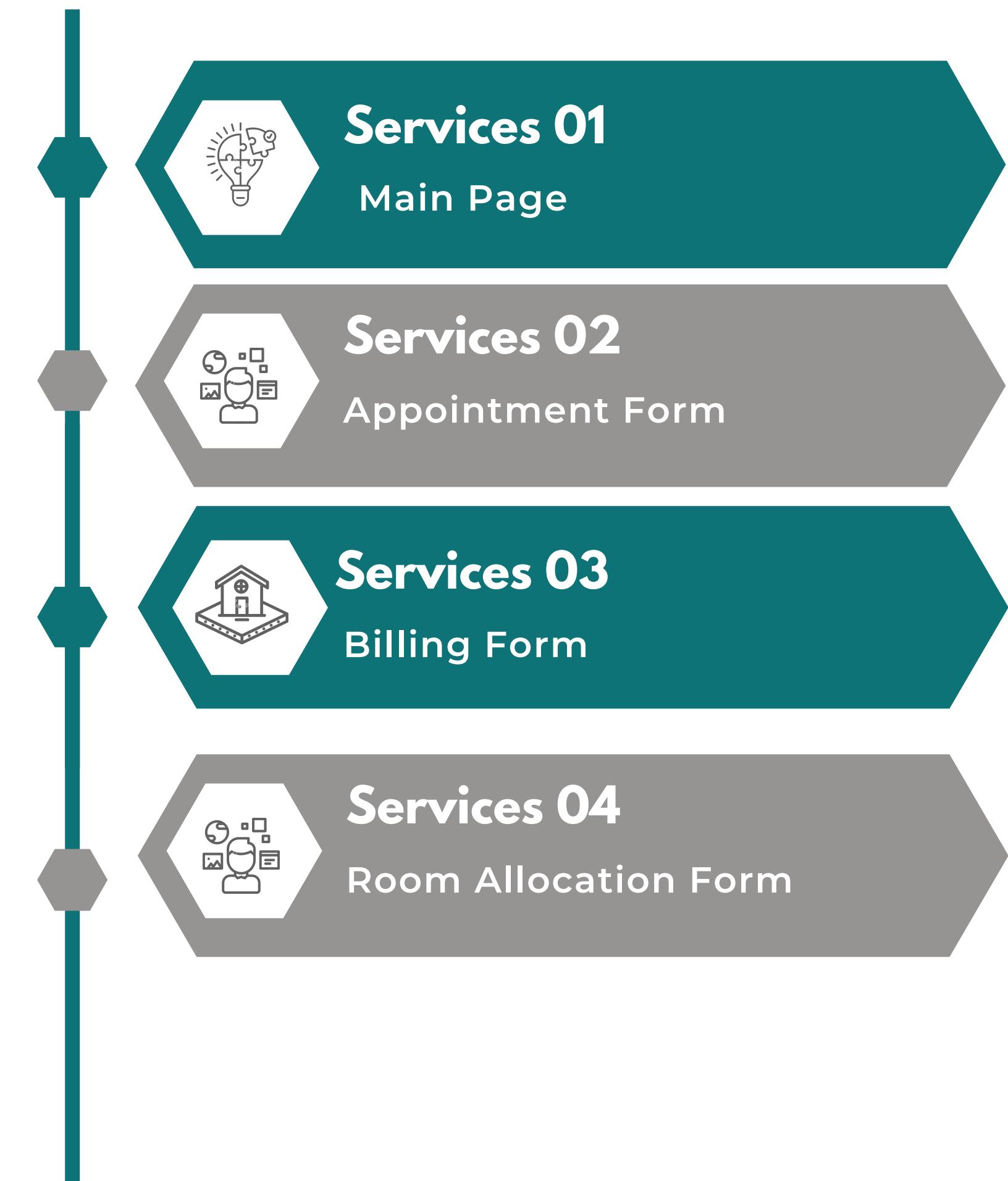


Vision

To provide compassionate, accessible, high quality, cost effective healthcare to one all. To serve with a patient's first motto and to work towards a patient-centered care. To develop, share and apply new knowledge and technology in the delivery of patient care through research and technology integration.



Our Services





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Workflow

MMK Convulsentory Solutions workflow is completely based on python(FRONT END) and MYSQL(BACKEND). For that we imported tkinker library,MYSQL Connector,Cryptography for encryption of data and check where correct user accsesed the data and using message box we can see warnings and notifications





PROGRAM'S

In this project we used some libraries:

- 1)Tkinter
- 2)Message box
- 3)My SQL connector -python
- 4)pyMySQL
- 5)PIL(pillow)



Tkinter

The `tkinter` package (“Tk interface”) is the standard Python interface to the Tk GUI toolkit.

Running `python -m tkinter` from the command line should open a window demonstrating a simple Tk interface, letting you know that `tkinter` is properly installed on your system, and also showing what version of Tk is installed, so you can read the Tk documentation specific to that version.



Tkinter Message Box

Types of message boxes:

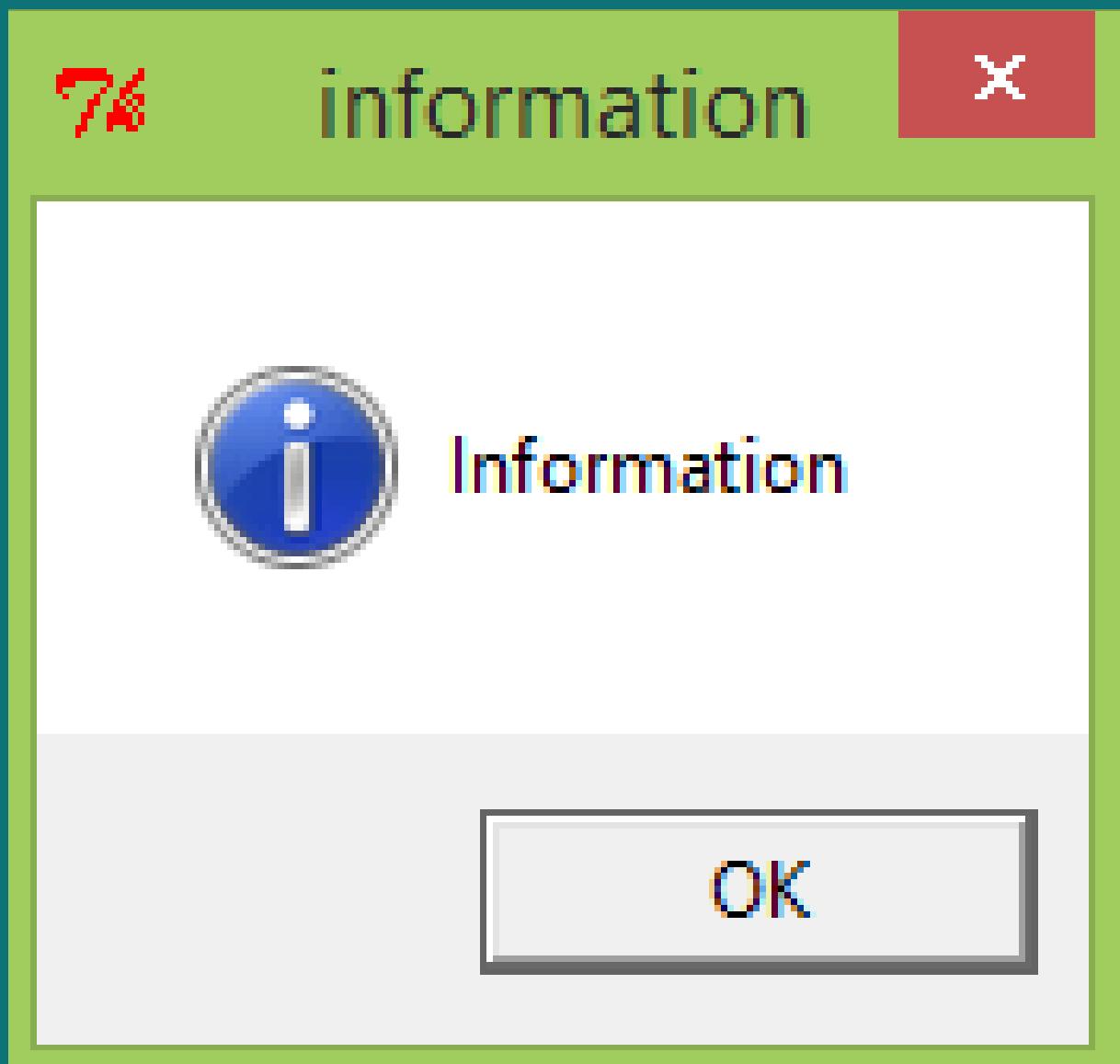
- 1) showinfo()
- 2) showwarning()
- 3) showerror()
- 4) askquestion()
- 5) askyesno()
- 6) askretrycancel()
- 7) askokcancel()

Syntax:

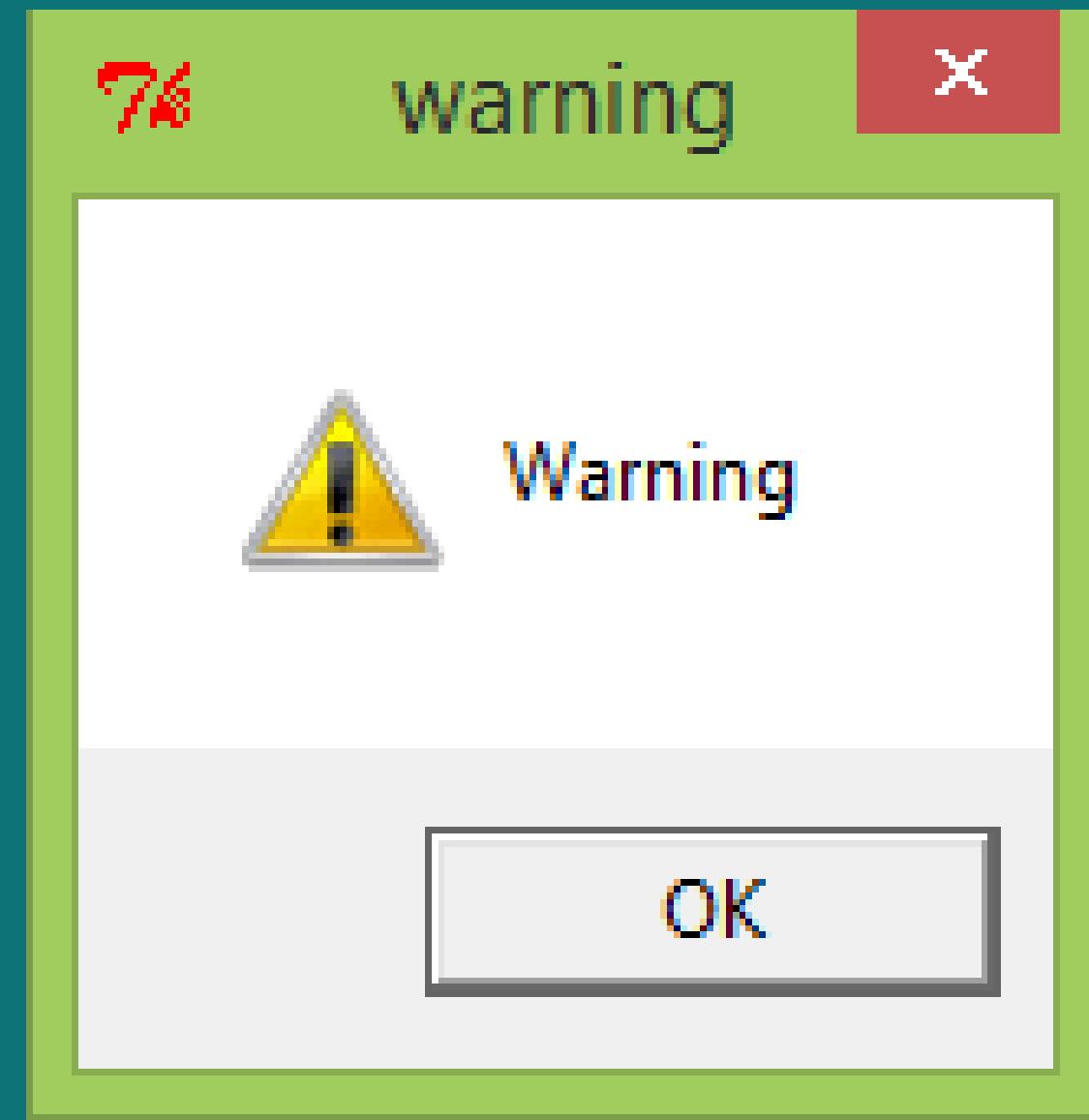
```
messagebox.function_name(title, message [, options])
```



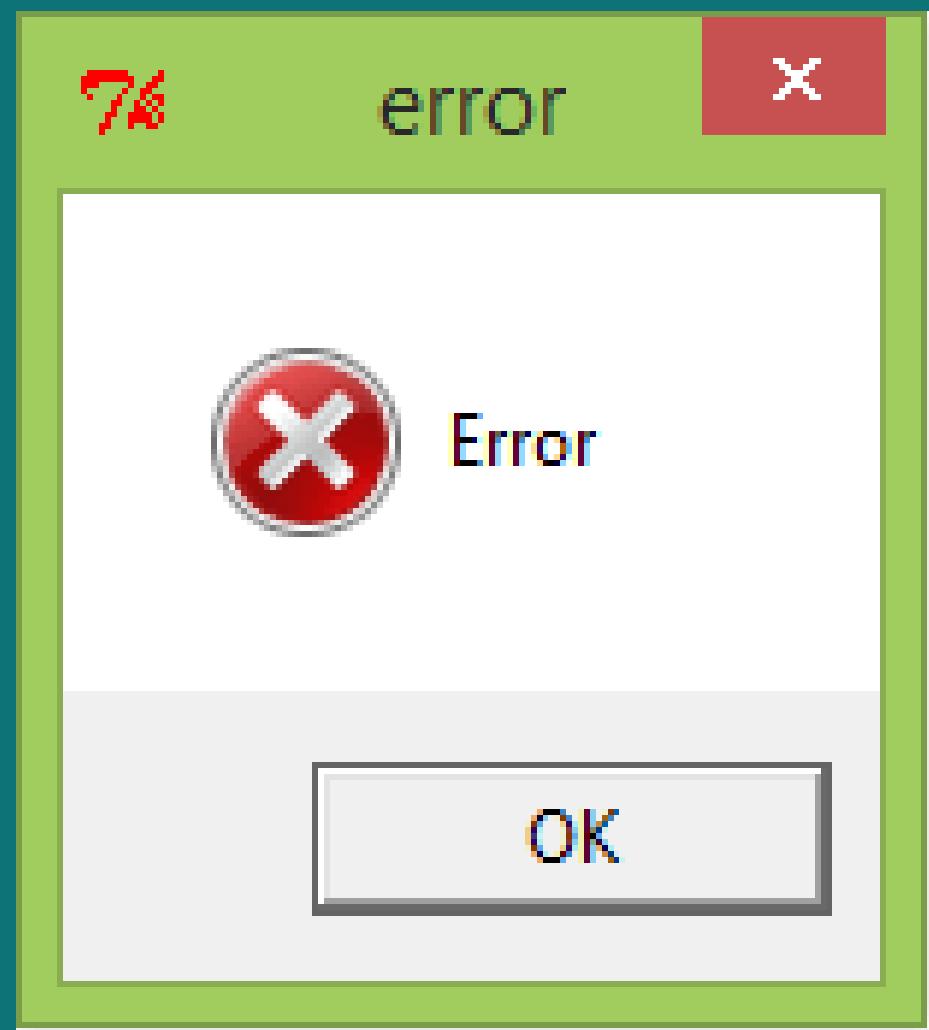
SHOWINFO()



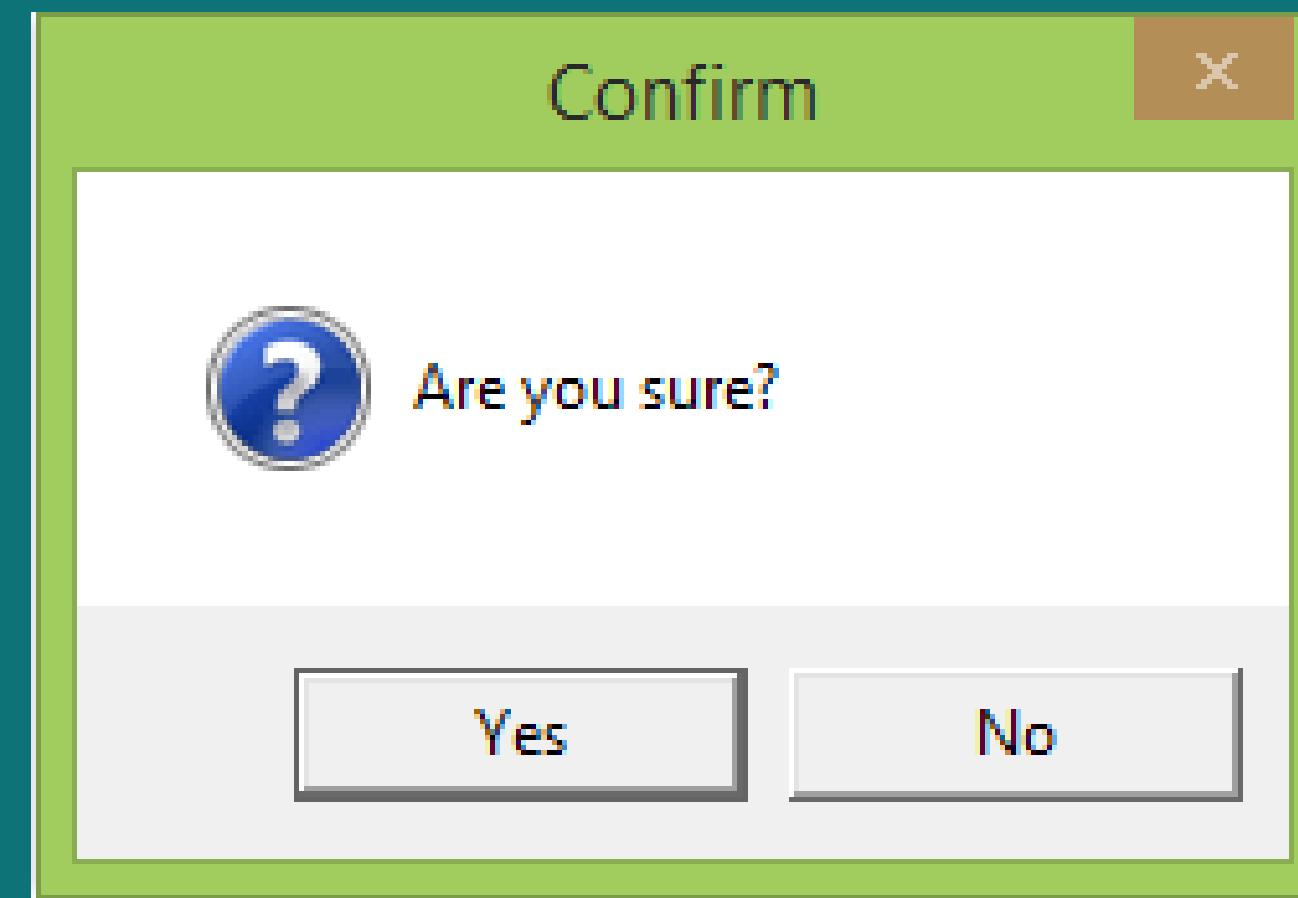
SHOWWARNING()



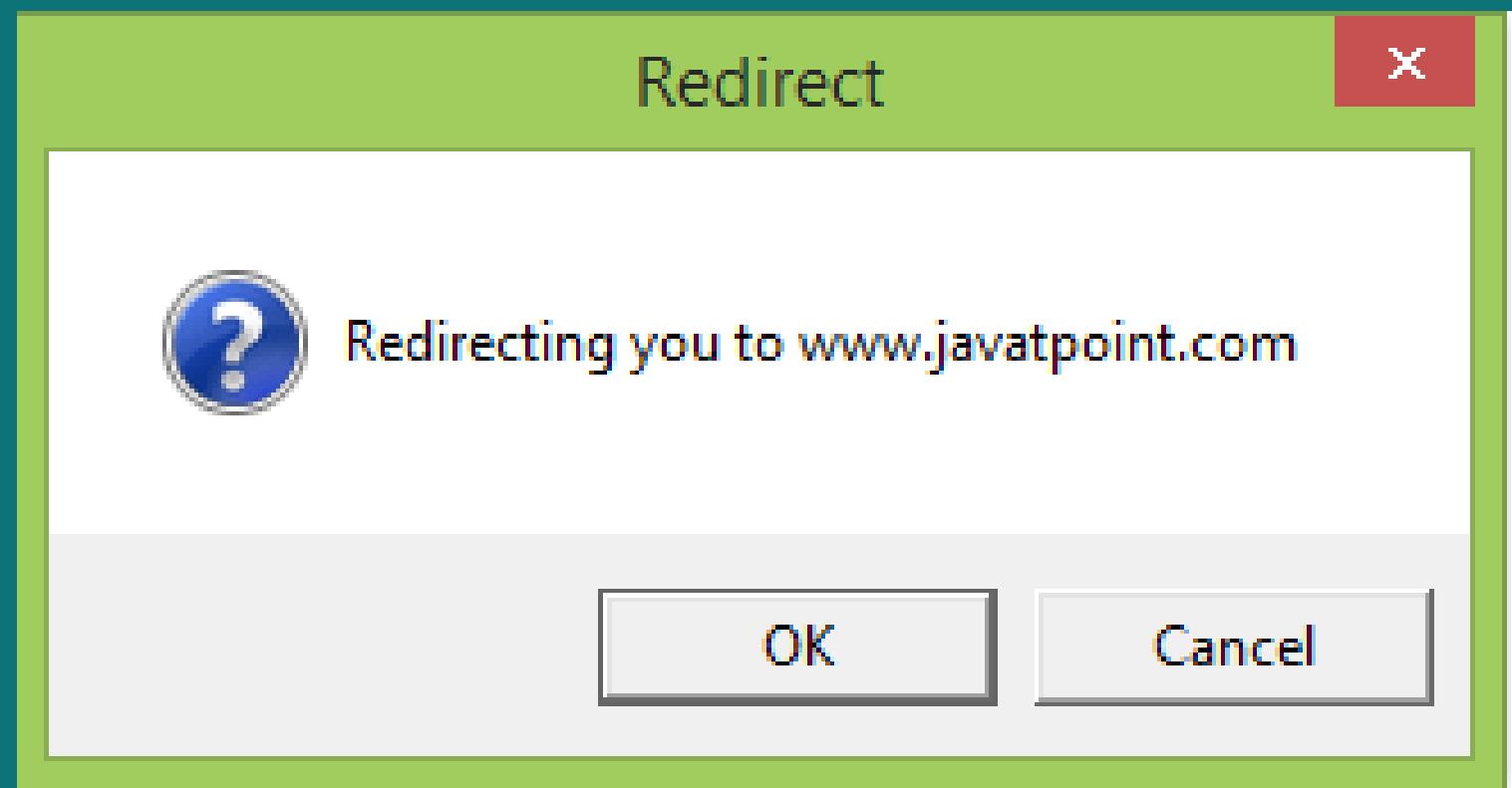
SHOWERROR()



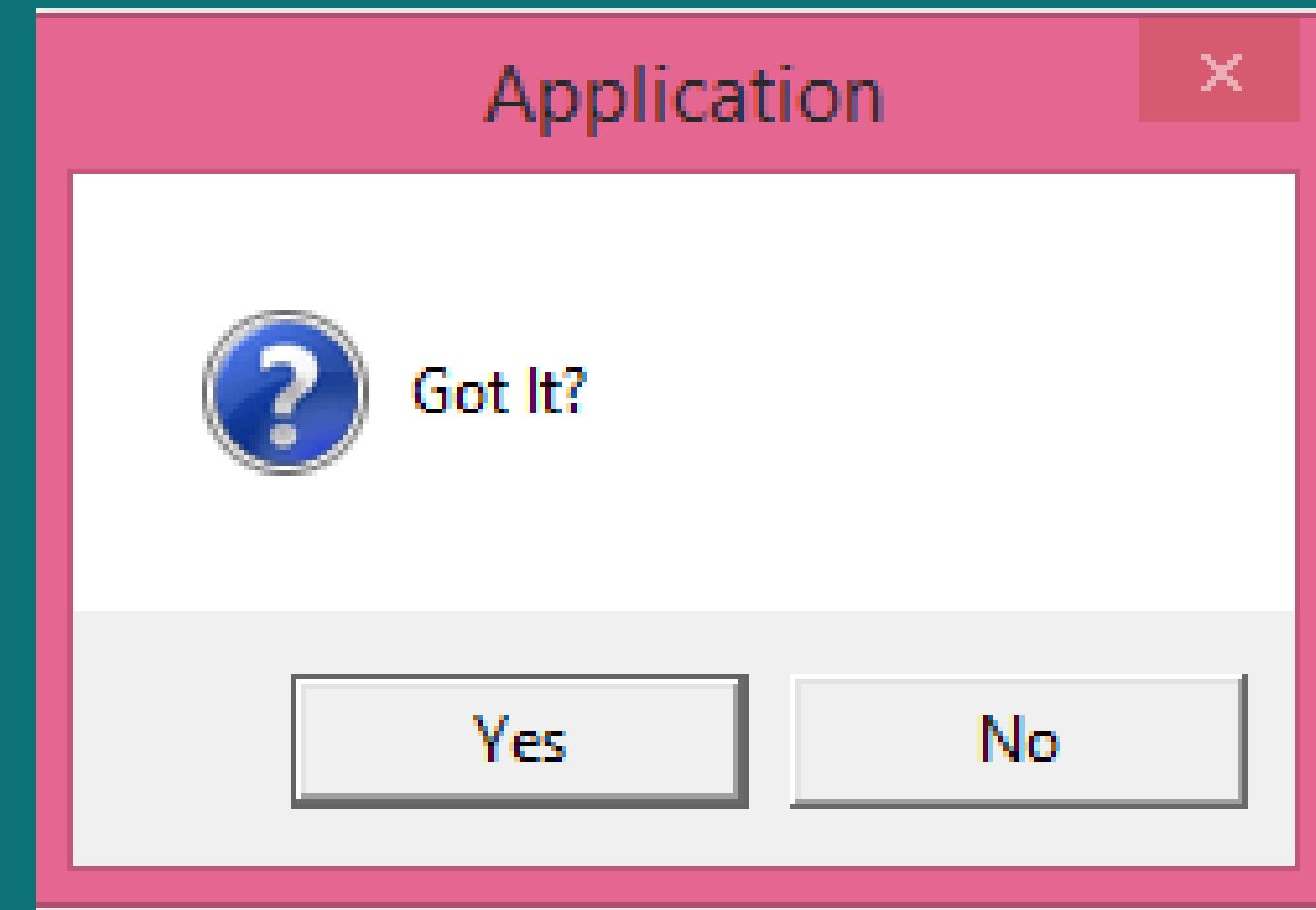
ASKQUESTION()



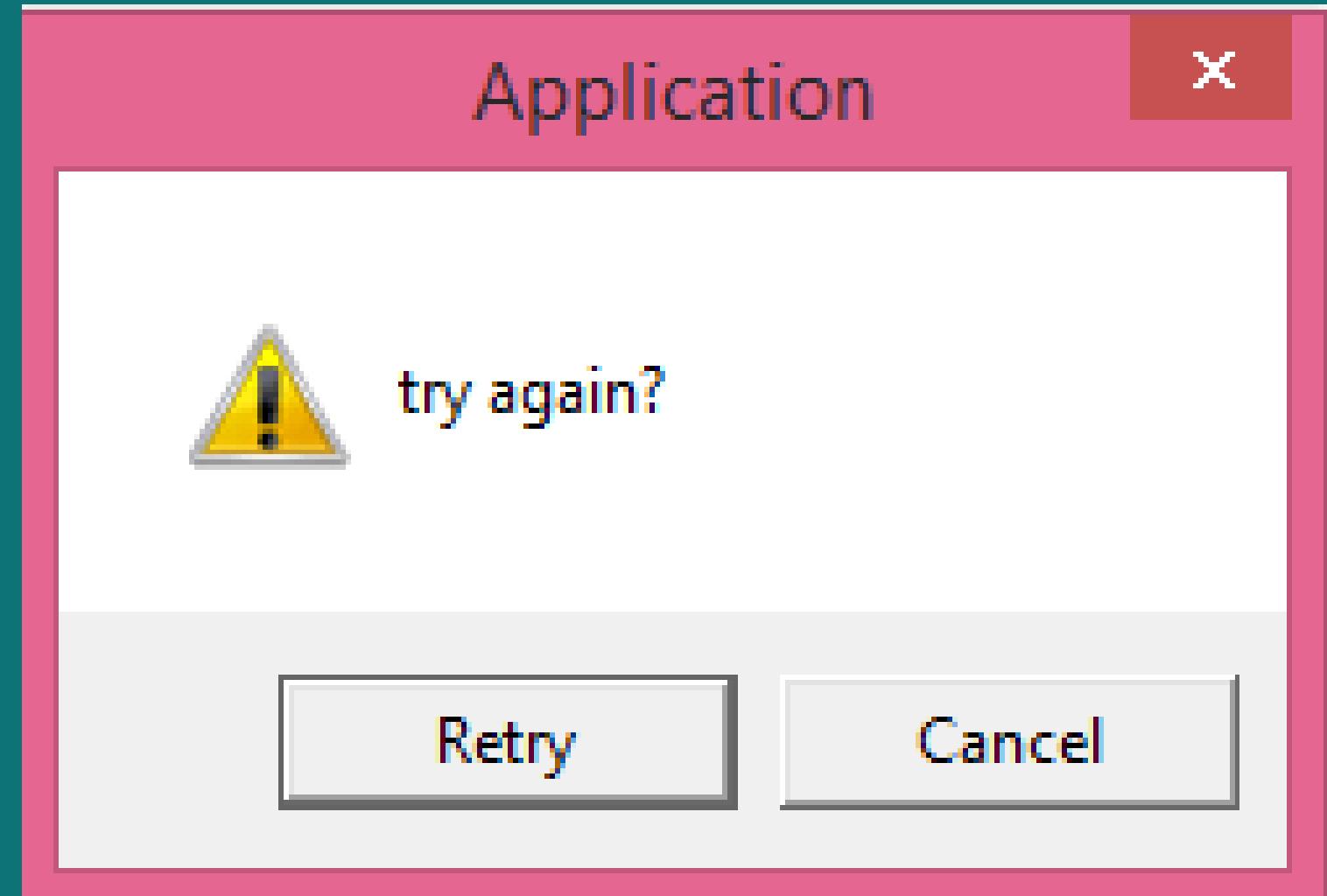
ASKOKCANCEL()



ASKYESNO()



ASKRETRYCANCEL()



MySQL Connector

MySQL Connectors provide connectivity to the MySQL server for client programs. APIs provide low-level access to MySQL resources using either the classic MySQL protocol or X Protocol.

Syntax:

```
import mysql.connector
```

Install:

```
pip install mysql connector-python
```



PYMYSQL

PyMySQL is an interface for connecting to a MySQL database server from Python. It implements the Python Database API v2. 0 and contains a pure-Python MySQL client library. The goal of PyMySQL is to be a drop-in replacement for MySQLdb.

Syntax:

```
import pymysql
```

Install:

```
$ python3 -m pip install PyMySQL
```



PIL

PIL is an additional, free, open-source library for the Python programming language that provides support for opening, manipulating, and saving many different image file formats.

Syntax:

```
from PIL import Image, ImageTk
```

Install:

```
pip install Pillow
```



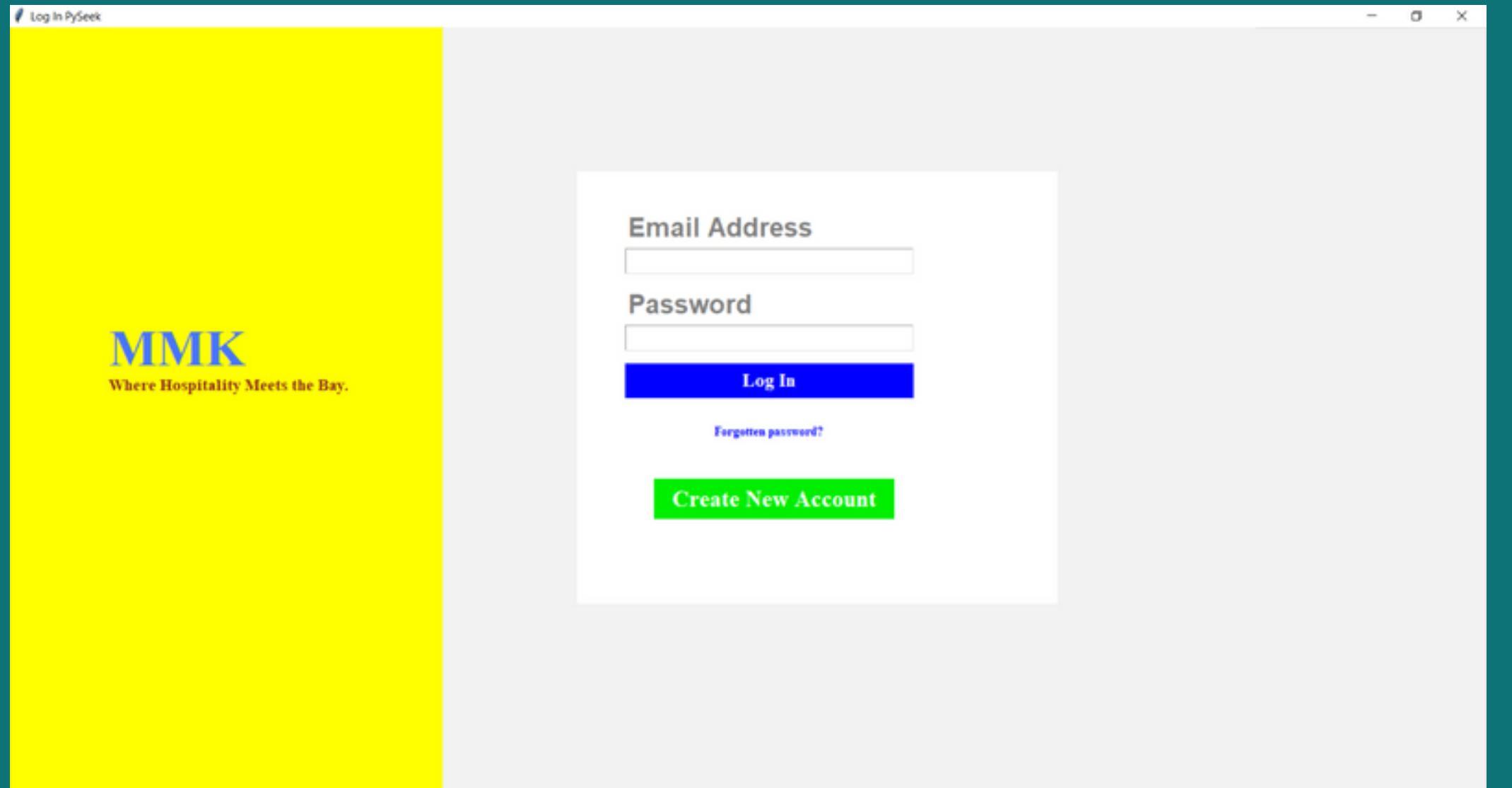
OUTCOMES

Pages:

- 1) MainPage
- 2) Room Allocation Form
- 3) Billing Form
- 4) Appointment Form



Login Page



Home Page

tk

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patient information

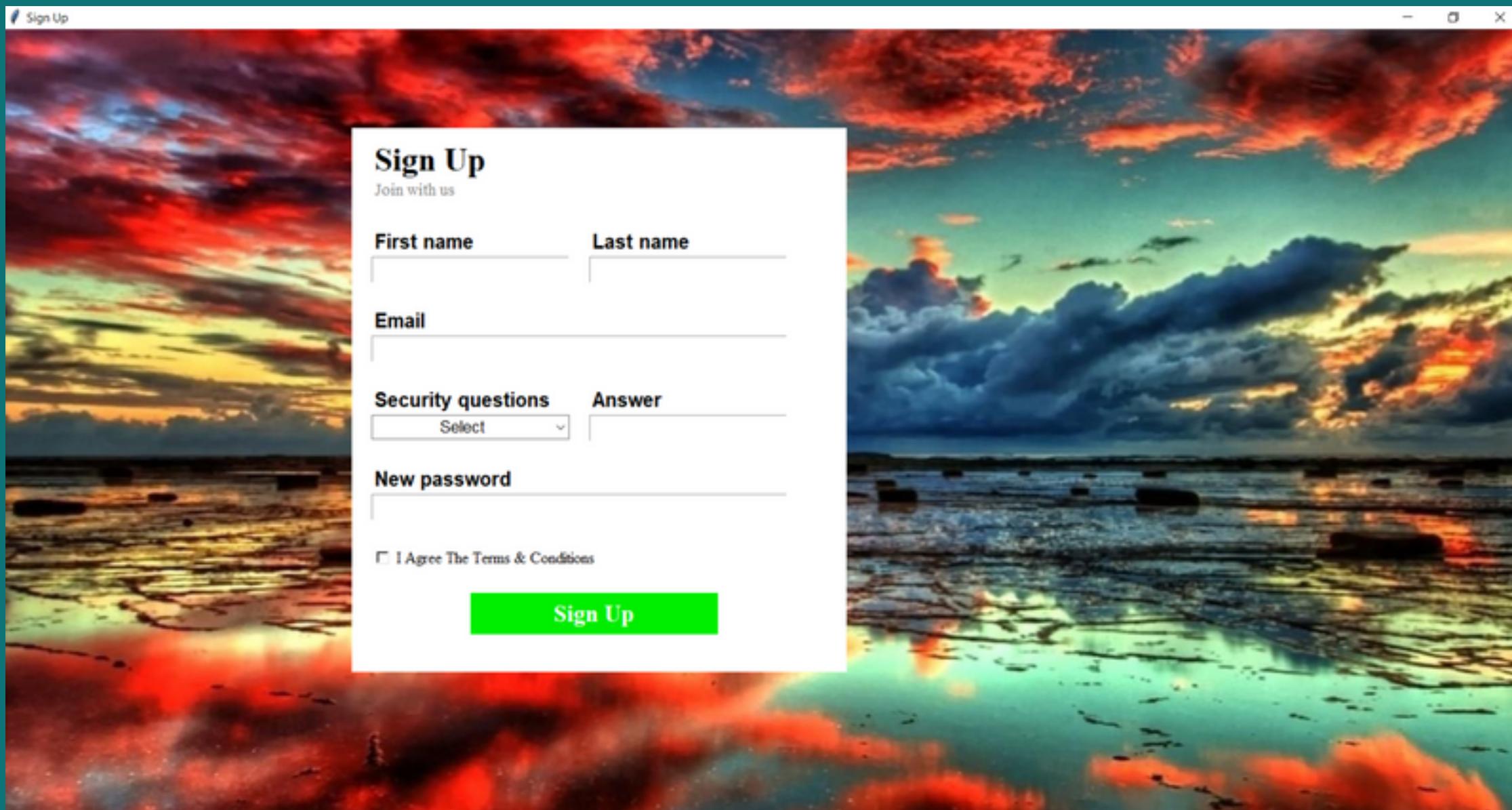
name of tablets	reference no	dose	no of tablets	issue date	exp.date	daily dose	side effects	patient dob	blood pressure	storage device	medication	patient id	patient address	patient name
345	234	5678	87654	456	56f	765f	4f	45tg	45tyh	54rd	34rf	654red	3erdf	34e

prescription

delete prescription save prescription data clear exit



Signup Page



Appointment Form

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APPOINTMENT FORM

Enter Patient Details

Name of the Patient :	Appointment Time(HH:MM:SS) :
<input type="text"/>	<input type="text"/>
Patient ID :	Appointment date(YYYY-MM-DD) :
<input type="text"/>	<input type="text"/>
Doctor ID :	Description :
<input type="text"/>	<input type="text"/>

save **clear** **exit**



Room Allocation Form

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ROOM ALLOCATION FORM

Enter Patient Details

patientname	roomtype
<input type="text"/>	<input type="text"/>
patientid	charge
<input type="text"/>	<input type="text"/>
admitdate	roomno
<input type="text"/>	<input type="text"/>
dischargedate	
<input type="text"/>	

exit Save clear



Accounts And Billing Form

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ACCOUNTS AND BILLING

Account and Billing Details

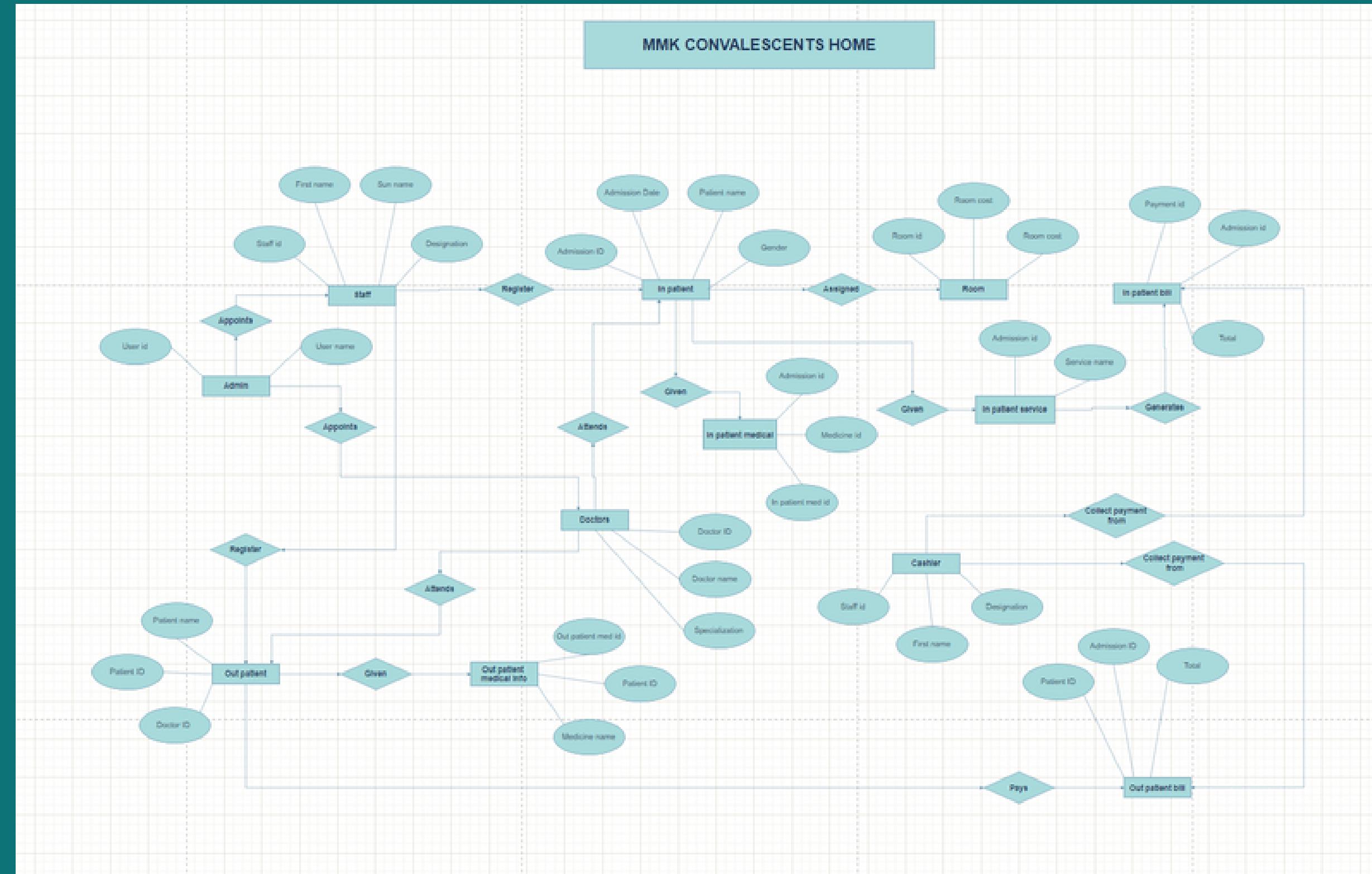
Bill number :	Total amount:
<input type="text"/>	<input type="text"/>
Name of the Patient :	Amount paid:
<input type="text"/>	<input type="text"/>
Patient ID :	Balance:
<input type="text"/>	<input type="text"/>

Buttons:

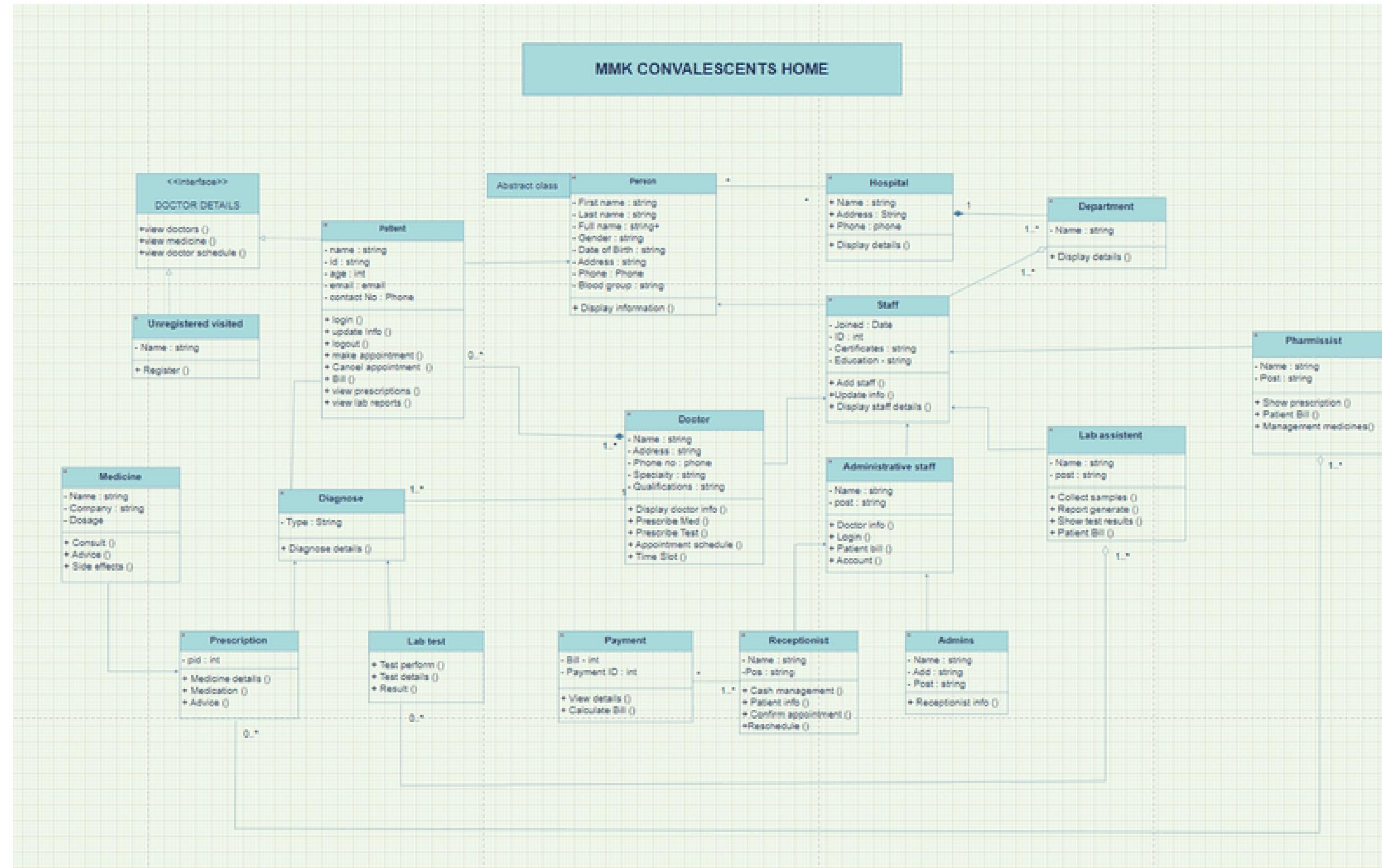
exit Save clear



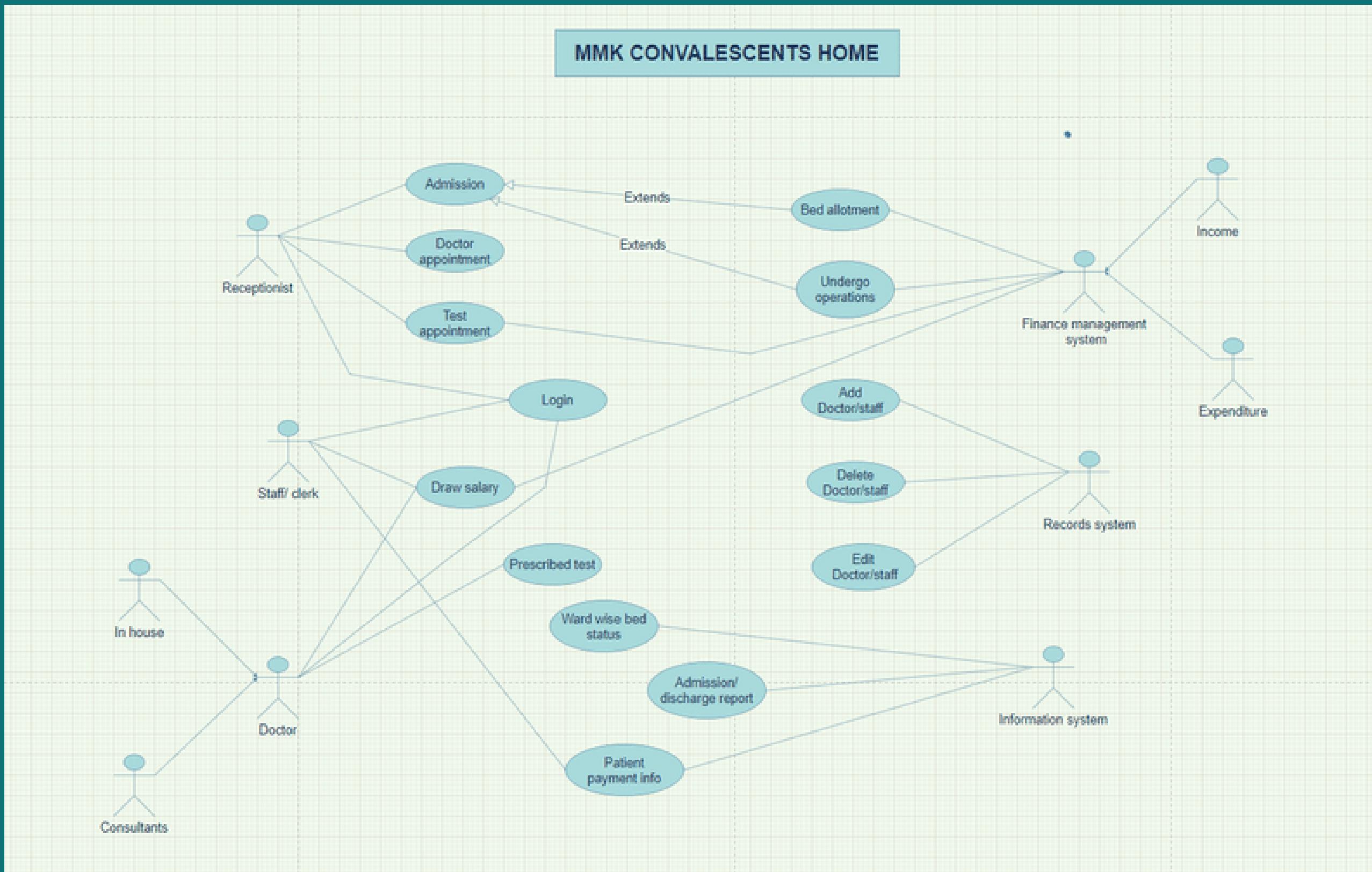
ER Diagram



Class Diagram



UML Diagram





EXPERIENCE

Its very wonderful journey with project . We learned lot many things while dealing with this project,we faced every problem as a new challenge and sort out them with curiosity and patience and My faculty cooperated with us alot very thankful for them,its a great experience with this project



Conclusion

Implementation of hospital management system project helps to store all the kinds of records, provide coordination and user communication, implement policies, improve day-to-day operations, arrange the supply chain, manage financial and human resources, and market hospital services





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Contact Us

If you having any queries
regarding this project you can
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Github link :



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**THANK
YOU**