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PYTHON GUI PROJECT

EVENT MANAGEMENT SYSTEM

Bachelor of Computer Science & Technology

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- **What is a GUI?**

A **Graphical User Interface(GUI)** is the first thing your user sees and interacts with when he opens your application or website. Having a good GUI goes a long way in increasing your platform's reputation and user count. A user interface usually includes a host of visual elements like icons, buttons, graphics, displayed text, and several other forms of input, like checkbox, text input boxes, and such.

- **Tkinter**

Tkinter was created to equip modern developers with a standard interface to the Tk GUI **tool kit** with its Python bindings. In Tkinter's world, most of the **visual elements that we're familiar with are called widgets**, and each of these widgets offers a different level of customizability.



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Some of those visual elements have been listed below:

- **Frame:** for providing a structure to your application
- **Buttons:** used for taking input from the user
- **Checkbuttons:** used for making selections
- **Labels:** for displaying textual information
- **Canvas:** provides a space for drawing/painting things



■ What is Event Management Application?

- ❖ Event Management Application keeps track of necessary information required for an event.
- ❖ Information includes event details, organizer details, volunteer details, visitor details.
- ❖ Event details contains EventName, Date, Duration, Place, etc.
- ❖ Organizer details contains EventName, OrganizerName, Address, ContactNo, EmailAddress, Role. etc
- Create two tables with the following names
 - i. Events
 - ii. NewEvent
- First table contain the following attributes
 - i. First Name
 - ii. Last Name
 - iii. Email



- Second table contain the following attributes

- EventName
- OrganizerName
- Address
- ContactNo
- EventType
- Date
- Time

- **Steps to be followed in programming**

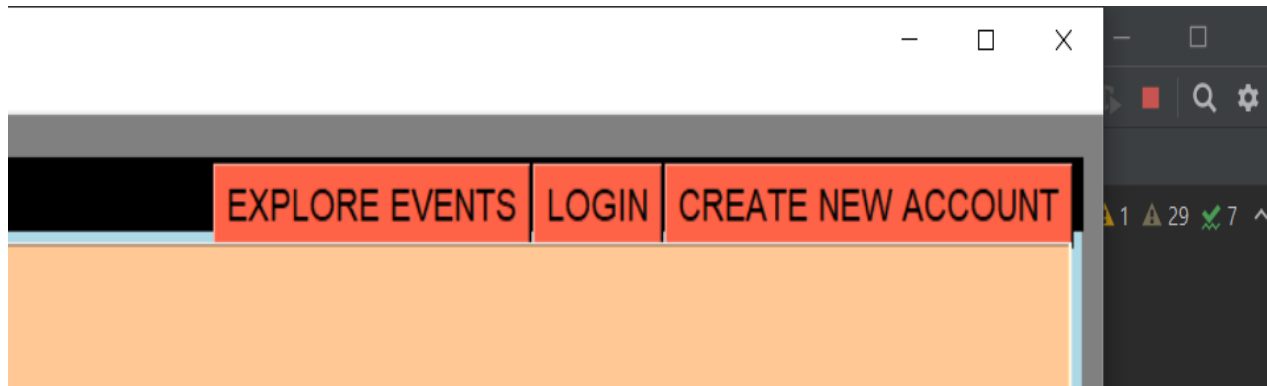
1. Import the required libraries
2. Connect the database with Python
3. Create a cursor to execute queries
4. Create GUI design
5. Perform necessary action in each callback



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Screenshots...



Menu Button

A screenshot of a login form titled "account" in a browser window. The form has a light gray background and is set against a light blue background. It contains four input fields: "First Name", "Last Name", "Password", and "Email Id". Below the input fields are two buttons: "SUBMIT" and "reset". The browser window has standard Windows-style controls in the top right corner.

Login from here



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The screenshot shows a web browser window displaying the "EVENT MANAGEMENT SYSTEM" interface. The page has a light blue background. At the top, there is a navigation bar with a search box, a green button labeled "...EVENT MANAGEMENT SYSTEM...", and three red buttons labeled "EXPLORE EVENTS", "LOGIN", and "CREATE NEW ACCOUNT". On the left side, there are two white boxes: one for account creation with fields for "First Name", "Last Name", "Password", and "Email Id", and another for login with fields for "Email Id" and "Password". Both boxes have "SUBMIT" and "reset" buttons. In the center, there is a large orange box containing event details: "nisha birthday {pull party} varansi varansi 1pm 24may 20000 20". Below this, there are two rows of input fields: the first row contains a numeric keypad (1-9, 0) and the second row contains a numeric keypad (0-9). At the bottom left, there is a green button labeled "REGISTER TO THIS EVENT". The Windows taskbar is visible at the bottom, showing the search bar, task view button, and several application icons. The system clock shows 14:24 on 02-12-2021.

Inside this, u can perform the operations
Like Create New Account, login, Explor
Event etc

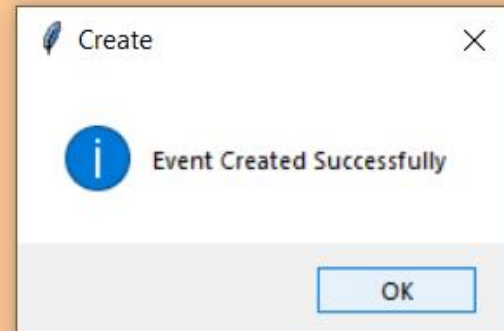
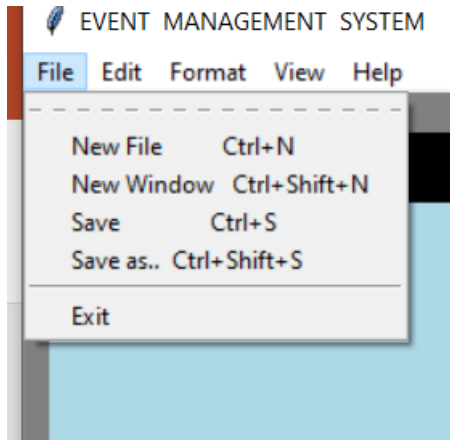


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The screenshot displays the 'EVENT MANAGEMENT SYSTEM' web application. The main interface has a light blue background. At the top, there is a navigation bar with a search box, a welcome message 'WELCOME! so glad you are here..', and three buttons: 'CREATE NEW EVENT', 'EXPLORE EVENTS', and 'LOGOUT'. On the left, a 'NewEvent' modal form is open, containing fields for Organizer Name, Event Name, Event Type, Event Place, District, Event Time, Event Date, Event Cost, and No Of Seat, along with 'Create' and 'Reset' buttons. A green message box at the bottom left says 'YOUR EVENT REGISTERED'. On the right, a list of events is shown, with the first entry being 'nisha birthday {pull party} varansi varansi 1pm 24may 20000 20'. Below this, there are two rows of input fields: the first row contains digits '1 2 3 4 5 6 7 8 9' and the second row contains zeros '0 0 0 0 0 0 0 0 0'. The Windows taskbar at the bottom shows the system clock as 14:26 on 02-12-2021.

- This is second page..
- Inside this, u can perform the operations like Create New Event, Explore Event, Logout etc.



Database Table1: Events

DB Browser for SQLite - C:\Python_Project\Testing.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save Project

Database Structure Browse Data Edit Pragmas Execute SQL Edit Database Ce

Table: Events Filter in any col...

	first_name	last_name	phone_no	email_id
1	Filter	Filter	Filter	Filter
2	nisha	rai	123	@nisha
3	NULL	NULL	NULL	NULL
4	nisha	rai	12345	@nisha
5	NISHA	RAI	123	@123
6				
7	Nisha	Rai	123456790	ish@outlook.com
8	nisha	rai	123	nisha@gmail.com

Mode: Text

1 19

Type of data current
Numeric
2 character(s)

Remote

Identity Select a

DBHub.io

Name



WELCOME! so glad you are here..

CREATE NEW E

NewEvent

Organizer Name: nisha rai

Event Name: new year party

Event Type: night party

Event Place: varanasi

District: varanasi

Event Time: 8pm

Event Date: 31-12-21

Event Cost: 20000

No Of Seat: 50

Create Reset

Database Table 2 : NewEvent

DB Browser for SQLite - C:\Python_Project\testing.db

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Open Project Save

Database Structure Browse Data Edit Pragmas Execute SQL Edit Da

Table: NewEvent

	OWNER	Event_Name	Event_Type	Address	District	Time	Date	Cost	S
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Fi
1	nisha	birthday	pull party	varansi	varansi	1pm	24may	20000	
2	1	2	3	4	5	6	7	8	
3									
4									
5	nisha rai	new year party	night party	varanasi	varanasi	8pm	31-12-21	20000	

Mode: 1

Type of Numeric 2 chara

Remote

Identifi

DBI