### TIC - TAC - TOE

TEAM 3

March 2022



### Team Members

- AKULA.LIKHITHA SRI
- ANNIKA.PAVANI
- BOLLA.JYOTHSNA
- BONDADA.VAMSI PRIYA
- ANAPARTHI.SAI LIKHITHA

#### **Abstract**

First known use of tic-tac-toe is circa 1866.TIC TAC TOE is a simple, two-player game that, if played optimally by both players, will always result in a tie. The game is also called as noughts and crosses or Xs and Os. TIC-TAC-TOE is a game that is traditionally played by being drawn on paper, and it can be played on a computer or on a variety of media.

### Rules

- The game is to be played between two players.
- One of the player choose X and other player choose O.

### Rules

- The game starts with one of the player and the game ends with one of the player has one whole row/column/diagonal with the X or O.
- If no one wins then the game said to be draw

### Technical Stack

- Language
  - python
- 2 Tool
  - Pycharm

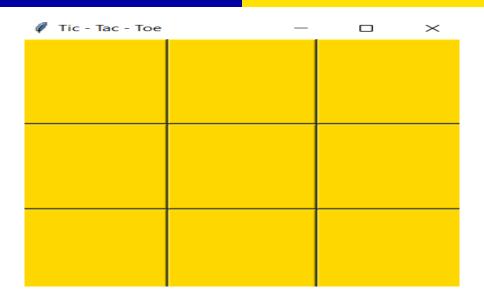
### **Project Flow**

#### We have worked on the number of ways to win the game by a By the final day we are done with the of whole game.

# Day 1: Analysis

 We have done overall analysis of the project, then from tkinter imported message box,we build buttons and then we grid buttons.

```
|from tkinter import *
from tkinter import messagebox
root = Tk()
root.title('Tic - Tac - Toe')
#X starts so true
clicked = True
count = 0
```

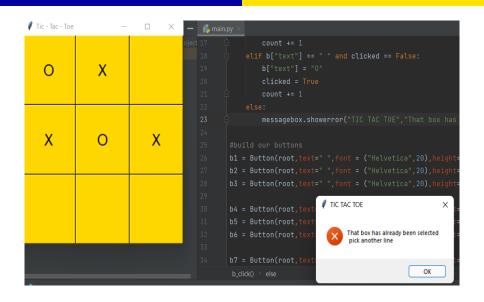


## Day 2:

 we have done with our basic implementation of button clicked function and we created a disabled function.

```
def b_click(b):
   qlobal clicked, count
   if b["text"] == " " and clicked == True:
       clicked = False
       count += 1
   elif b["text"] == " " and clicked == False:
       clicked = True
       count += 1
```

```
#disable buttons
def disable_all_buttons():
    b1.config(state=DISABLED)
    b2.config(state=DISABLED)
    b3.config(state=DISABLED)
    b4.config(state=DISABLED)
    b5.config(state=DISABLED)
    b6.config(state=DISABLED)
    b7.config(state=DISABLED)
    b8.config(state=DISABLED)
    b9.config(state=DISABLED)
```



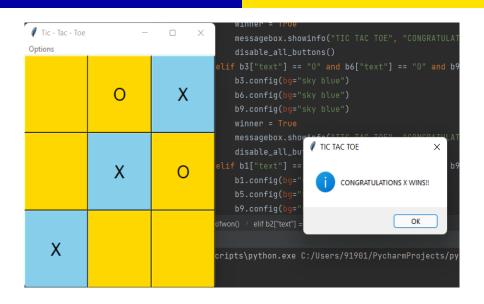
## Day 3:

 we have worked on the no.of ways to win the game by a player

```
#check to see if someone won
   if b1["text"] == "X" and b2["text"] == "X" and b3["text"] == "X":
   elif b7["text"] == "X" and b8["text"] == "X" and b9["text"] == "X":
```

```
eli+ b1["text"] == "0" and b2["text"] == "0" and b3["text"] ==
    b2.config(bg="skv blue")
    b3.config(bg="sky blue")
    disable all buttons()
elif b4["text"] == "0" and b5["text"] == "0" and b6["text"] == "0":
   b6.config(bg="skv blue")
    disable all buttons()
elif b7["text"] == "0" and b8["text"] == "0" and b9["text"] == "0":
    b7.config(bg="sky blue")
    disable all buttons()
   disable all buttons()
```

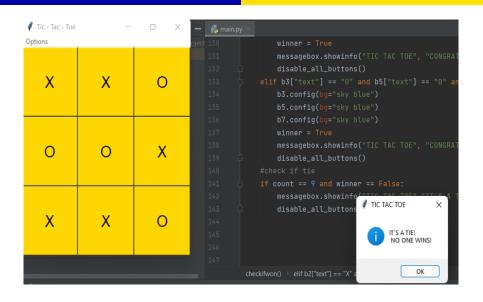
```
elif b2["text"] == "0" and b5["text"] == "0" and b8["text"] == "0":
    disable all buttons()
elif b3["text"] == "0" and b6["text"] == "0" and b9["text"] == "0":
    disable all buttons()
elif b1["text"] == "0" and b5["text"] == "0" and b9["text"] == "0":
    disable_all_buttons()
elif b3["text"] == "0" and b5["text"] == "0" and b7["text"] == "0":
    disable_all_buttons()
```



# Day 4:

 By fourth day we worked on weather the game is tie or not and we created and a reset option to reapet the game.

```
#check if tie
  count == 9 and winner == False:
   messagebox.showinfo("TIC TAC TOE","IT'S A TIE!\n NO ONE WINS!")
   disable_all_buttons()
```



Tic - Tac - Toe	_	- ×
Reset Game	0	×
0	×	0
×		

TEAM 3

## Day 5: overall game

```
|from tkinter import *
from tkinter import messagebox
root = Tk()
root.title('Tic - Tac - Toe')
#X starts so true
clicked = True
count = 0
```

# challenges

• 1) when we are creating reset option we feel so difficult 2) And when we creating button clicked function

### **GITLAB URL**

 https://gitlab.com/silk-wise-group-3/tictac-toe-wise-10.git

27 / 28



**TIC - TAC - TOE** March 2022 28 / 28