

Тема: составление программ с использованием GUI Tkinter в IDE PyCharm Community.

Цель: закрепить усвоенные знания, понятия , алгоритмы, основные принципы составления программ, приобрести навыки составления программ с использованием GUI Tkinter в IDE PyCharm Community.

Постановка задачи.

1. В соответствии с номером варианта перейти по ссылке на прототип и реализовать его. (Вариант 6)

EVENT REGISTRATION FORM

Name
First Name Last Name

Company

Email

Phone
Area Code Phone Number

Subject

Are you an existing customer?
☒ Yes ☐ No

REGISTER

Тип алгоритма: линейная.

Текст программы:

```
import tkinter as tk
from tkinter import ttk

def register():
    print("Registration button clicked")

root = tk.Tk()
root.title("Event Registration Form")

root.geometry("500x500")
root.configure(bg='#5B26CB')

frame = tk.Frame(root, bg='white', padx=20, pady=20)
frame.pack(pady=20)

title_label = tk.Label(frame, text="EVENT REGISTRATION FORM", font=('Montserrat', 14, 'bold'), fg='white', bg='black')
title_label.grid(row=0, columnspan=2, pady=10)

first_name_label = tk.Label(frame, text="First Name", bg='white')
first_name_label.grid(row=1, column=0, sticky='w')
first_name_entry = tk.Entry(frame)
first_name_entry.grid(row=1, column=1)

last_name_label = tk.Label(frame, text="Last Name", bg='white')
last_name_label.grid(row=2, column=0, sticky='w')
last_name_entry = tk.Entry(frame)
last_name_entry.grid(row=2, column=1)

company_label = tk.Label(frame, text="Company", bg='white')
company_label.grid(row=3, column=0, sticky='w')
company_entry = tk.Entry(frame)
company_entry.grid(row=3, column=1)

email_label = tk.Label(frame, text="Email", bg='white')
email_label.grid(row=4, column=0, sticky='w')
email_entry = tk.Entry(frame)
email_entry.grid(row=4, column=1)

phone_label = tk.Label(frame, text="Phone", bg='white')
phone_label.grid(row=5, column=0, sticky='w')
area_code_entry = tk.Entry(frame, width=5)
area_code_entry.grid(row=5, column=1, sticky='w')
phone_number_entry = tk.Entry(frame)
phone_number_entry.grid(row=5, column=1, padx=(45, 0))

subject_label = tk.Label(frame, text="Subject", bg='white')
subject_label.grid(row=6, column=0, sticky='w')
subject_combobox = ttk.Combobox(frame, values=["Option 1", "Option 2", "Option 3"])

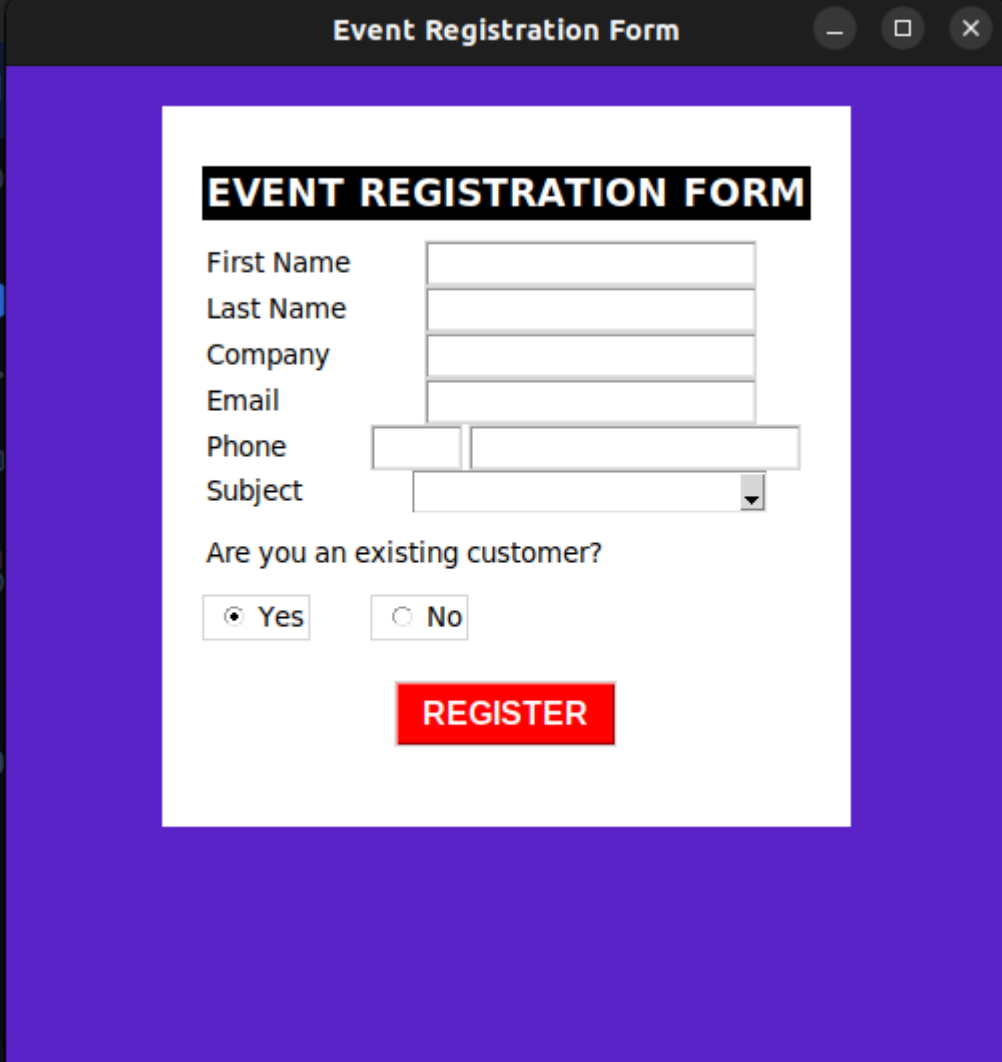
existing_customer_label = tk.Label(frame, text="Are you an existing customer?", bg='white')
existing_customer_label.grid(row=7, columnspan=2, pady=10, sticky='w')

customer_var = tk.StringVar(value="Yes")
yes_radiobutton = tk.Radiobutton(frame, text="Yes", variable=customer_var, value="Yes", bg='white')
yes_radiobutton.grid(row=8, column=0, sticky='w')
no_radiobutton = tk.Radiobutton(frame, text="No", variable=customer_var, value="No", bg='white')
no_radiobutton.grid(row=8, column=1, sticky='w')

register_button = tk.Button(frame, text="REGISTER", command=register, bg='red', fg='white', font=('Arial', 12, 'bold'))
register_button.grid(row=9, columnspan=2, pady=20)

root.mainloop()
```

Выполнение программы:



The image shows a screenshot of a Python Tkinter application window titled "Event Registration Form". The window has a dark blue background. In the center, there is a white rectangular area containing the form. At the top of this white area is a black header with the text "EVENT REGISTRATION FORM" in white, bold, uppercase letters. Below the header, the form contains several input fields: "First Name", "Last Name", "Company", "Email", "Phone" (split into two boxes), and "Subject" (a dropdown menu). Below these fields is a question "Are you an existing customer?" with two radio button options: "Yes" (selected) and "No". At the bottom of the form is a red button with the text "REGISTER" in white, uppercase letters.

Вывод: закрепил и усвоил знания, понятия , алгоритмы, основные принципы составления программ, приобрел навыки составления программ с использованием GUI Tkinter в IDE PyCharm Community.