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from tkinter import *
import tkinter as tk
from tkinter import ttk

def submit():
    domain_name = domain_name_entry.get()
    player_name = player_name_entry.get()
    gender = player_gender.get()
    selected_position = position_var.get()
    selected_year = year_var.get()

    print(f"Domain Name: {domain_name}")
    print(f"Player Name: {player_name}")
    print(f"Gender: {gender}")
    print(f"Position: {selected_position}")
    print(f"Year: {selected_year}")

root = tk.Tk()
root.title("Domain Details Form")

frame = ttk.Frame(root, padding=20)
frame.grid(row=0, column=0, sticky=(tk.W, tk.E, tk.N, tk.S))

ttk.Label(frame, text="Domain Name:").grid(row=0, column=0,
sticky=tk.W)
domain_name_entry = ttk.Entry(frame)
domain_name_entry.grid(row=0, column=1, padx=10, pady=5, sticky=tk.W)

ttk.Label(frame, text="Player Name:").grid(row=1, column=0,
sticky=tk.W)
player_name_entry = ttk.Entry(frame)
player_name_entry.grid(row=1, column=1, padx=10, pady=5, sticky=tk.W)

ttk.Label(frame, text="Gender:").grid(row=2, column=0, sticky=tk.W)
player_gender = tk.StringVar()
player_gender.set("Male")
gender_options = ["Male", "Female", "Others"]
for i, position in enumerate(gender_options):
    ttk.Radiobutton(frame, text=position, variable=player_gender,
value=position).grid(row=2 + i, column=1, sticky=tk.W)

ttk.Label(frame, text="Select Position:").grid(row=4, column=0,
sticky=tk.W)
position_var = tk.StringVar()
position_var.set("Goalkeeper (GK)")
position_options = ["Goalkeeper (GK)", "Defenders (DF)", "Midfielders
(MF)", "Forwards (FW)", "Strikers (ST)", "Wingers (WG)"]
for i, position in enumerate(position_options):
    ttk.Radiobutton(frame, text=position, variable=position_var,
value=position).grid(row=4 + i, column=1, sticky=tk.W)

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ttk.Label(frame, text="Player Type:").grid(row=10, column=0,
sticky=tk.W)
year_var = tk.StringVar()
year_var.set("Freshman")
year_options = ["Freshman", "Junior", "Experienced"]
year_menu = ttk.Combobox(frame, textvariable=year_var,
values=year_options)
year_menu.grid(row=10, column=1, padx=10, pady=5, sticky=tk.W)

submit_button = ttk.Button(frame, text="Submit", command=submit)
submit_button.grid(row=11, column=0, columnspan=2, pady=10)

root.mainloop()

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Domain Name: Football Management System
Player Name: Symen
Gender: Male
Position: Wingers (WG)
Year: Junior

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import matplotlib.pyplot as plt
import numpy as np

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np.random.seed(0)
x = np.linspace(0, 10, 100)
y = np.sin(x) + np.random.normal(0, 0.1, 100)

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Line-Graph

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plt.figure(figsize=(8, 4))
plt.plot(x, y, label="Line Graph", color="b")
plt.xlabel("X-axis")
plt.ylabel("Y-axis")
plt.title("Line Graph")
plt.legend()
plt.grid(True)

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Bar-Graph

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categories = ["Category A", "Category B", "Category C", "Category D"]
values = np.random.randint(1, 10, len(categories))
plt.figure(figsize=(8, 4))
plt.bar(categories, values, color="g")
plt.xlabel("Categories")
plt.ylabel("Values")
plt.title("Bar Graph")

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Scatter-Plot

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x_scatter = np.random.rand(50)
y_scatter = np.random.rand(50)
plt.figure(figsize=(8, 4))

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plt.scatter(x_scatter, y_scatter, label="Scatter Plot", color="b",
marker="o")
plt.xlabel("X-axis")
plt.ylabel("Y-axis")
plt.title("Scatter Plot")
plt.legend()

# Correlation-Heatmap
correlation_matrix = np.corrcoef(x, y)
plt.figure(figsize=(8, 4))
plt.imshow(correlation_matrix, cmap="viridis", origin="upper")
plt.colorbar()
plt.title("Correlation Heatmap")

plt.tight_layout()
plt.show()
```





