Assignment -6

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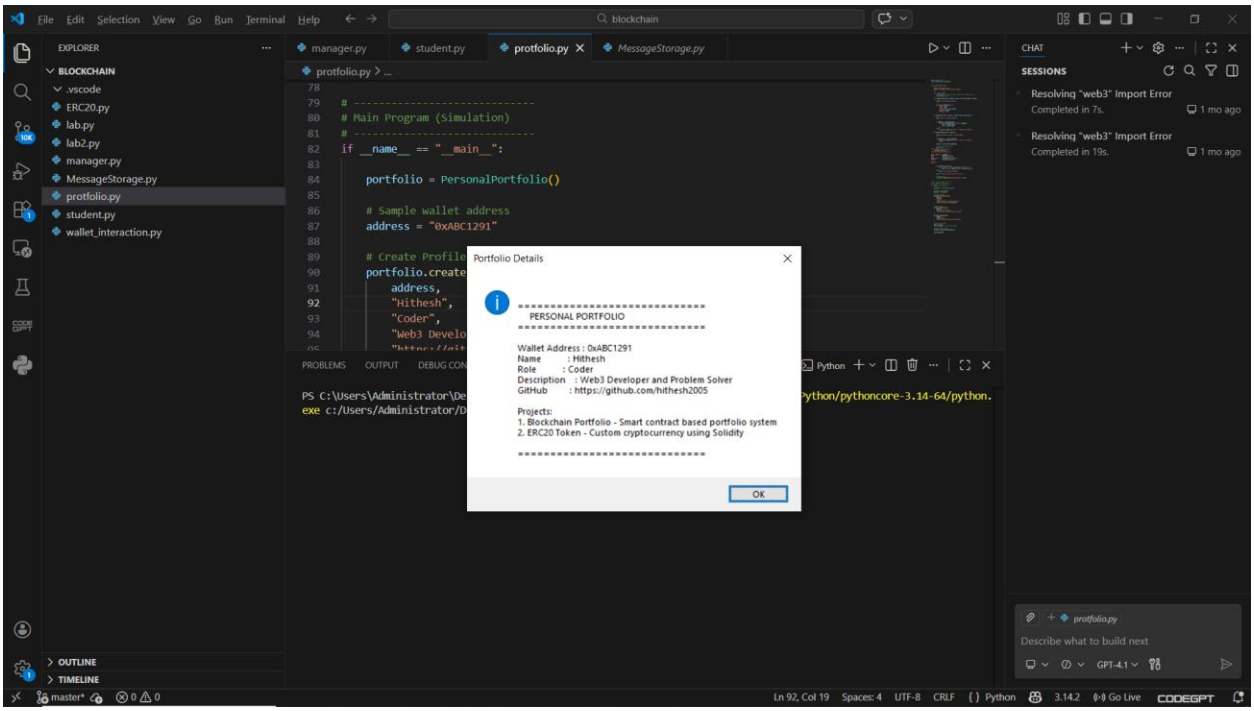
CODE:

```
import tkinter as tk
from tkinter import messagebox


class PersonalPortfolio:
    """
    Personal Portfolio Class
    Stores and manages user portfolio details
    """

    def __init__(self):
        # Dictionary to store profiles using wallet address as key
        self.profiles = {}

    def create_profile(self, address, name, role, description, github):
        """
        Create a new portfolio profile
        """

        self.profiles[address] = {
            "name": name,
            "role": role,
            "description": description,
            "github": github,
            "projects": []
        }

    def add_project(self, address, project_name, project_desc):
        """
        Add project to existing profile
        """

        if address in self.profiles:
            self.profiles[address]["projects"].append({
                "name": project_name,
                "desc": project_desc
            })
        else:
```

```
            messagebox.showerror("Error", "Profile not found!")

    def show_portfolio(self, address):
        """
        Display portfolio details in popup window
        """

        if address not in self.profiles:
            messagebox.showerror("Error", "Profile not found!")
            return

        profile = self.profiles[address]

        # Formatting output text
        text = f"""
============================
     PERSONAL PORTFOLIO
============================

Wallet Address : {address}
Name           : {profile['name']}
Role           : {profile['role']}
Description    : {profile['description']}
GitHub         : {profile['github']}

Projects:
"""

        if profile["projects"]:
            for i, proj in enumerate(profile["projects"], 1):
                text += f"{i}. {proj['name']} - {proj['desc']}\n"
        else:
            text += "No Projects Added\n"

        text += "\n============================"

        # Show popup
        messagebox.showinfo("Portfolio Details", text)


# ----------------------------
# Main Program (Simulation)
# ----------------------------
if __name__ == "__main__":
```

```
portfolio = PersonalPortfolio()

# Sample wallet address
address = "0xABC123"

# Create Profile
portfolio.create_profile(
    address,
    "Hithesh",
    "Coder",
    "Web3 Developer and Problem Solver",
    "https://github.com/hithesh2005"
)

# Add Projects
portfolio.add_project(
    address,
    "Blockchain Portfolio",
    "Smart contract based portfolio system"
)

portfolio.add_project(
    address,
    "ERC20 Token",
    "Custom cryptocurrency using Solidity"
)

# Initialize Tkinter
root = tk.Tk()
root.withdraw()  # Hide main window

# Show Portfolio Popup
portfolio.show_portfolio(address)

root.mainloop()
```

OUTPUT:


File Edit Selection View Go Run Terminal Help
blockchain
EXPLORER
BLOCKCHAIN
.vscode
ERC20.py
lab.py
lab2.py
manager.py
MessageStorage.py
protfolio.py
student.py
wallet_interaction.py
manager.py
student.py
protfolio.py
MessageStorage.py
protfolio.py > ...
78
79 # ----------------------------
80 # Main Program (Simulation)
81 # ----------------------------
82 if __name__ == "__main__":
83
84 portfolio = PersonalPortfolio()
85
86 # Sample wallet address
87 address = "0xABC1291"
88
89 # Create Profile
90 portfolio.create
91 address,
92 "Hithesh",
93 "Coder",
94 "Web3 Develo
Portfolio Details
PERSONAL PORTFOLIO
Wallet Address : 0xABC1291
Name : Hithesh
Role : Coder
Description : Web3 Developer and Problem Solver
GitHub : https://github.com/hithesh2005
Projects:
1. Blockchain Portfolio - Smart contract based portfolio system
2. ERC20 Token - Custom cryptocurrency using Solidity
OK
PROBLEMS
OUTPUT
DEBUG CON
Python
PS C:\Users\Administrator\De
exe c:/Users/Administrator/D
ython/pythoncore-3.14-64/python.
CHAT
SESSIONS
Resolving "web3" Import Error
Completed in 7s.
1 mo ago
Resolving "web3" Import Error
Completed in 19s.
1 mo ago
protfolio.py
Describe what to build next
GPT-4.1
OUTLINE
TIMELINE
master*
Ln 92, Col 19
Spaces: 4
UTF-8
CRLF
Python
3.14.2
Go Live
CODEGPT