Arciila, Andrew Sean D.

BSCS C204

Problem:

Problem 1. Users in Social Media

a. Create User Class with the ff: attributes (Use Constructor for this)
- first_name
- last_name
- followers_count
- friends_name [LIST]

    Note: You can make a List an attribute of a class

b. Create the ff: methods

- introduce_self – which should output " Hi I am {first_name} {last_name}
- view_full_profile – which outputs all the information of the user as shown below

    Profile Name is Bradd Pitt with 10 followers
    Friend are… Juan Pedro Jose

c. Create a separate TestUser class to test if the program is working as expected, allowing for user input to be passed as parameters of the object. Create atleast 2 object instance to test the class template

Source Code:

```python
class User:
    def __init__(self, first_name, last_name, followers_count, friends_name):
        self.first_name = first_name
        self.last_name = last_name
        self.followers_count = followers_count
        self.friends_name = friends_name

    def introduce_self(self):
        print(f"Hi I am {self.first_name} {self.last_name}")

    def view_full_profile(self):
        print(f"Profile Name is: {self.first_name} {self.last_name} with {self.followers_count} followers")
        friends_str = ' '.join(self.friends_name)
        print(f"Your friends are: {friends_str}")
        print()

class TestUser:
    def __init__(self):
        self.users = []

    def create_users(self):
        while True:
            choice = input("Insert a Record?[y|n]:").lower()
            if choice != 'y':
```

```python
                break

            first_name = input("First Name: ")
            last_name = input("Last Name: ")
            followers = int(input("Followers: "))
            friends = []

            print("Friends:")
            while True:
                friend = input()
                if friend.strip() == "":
                    break
                friends.append(friend)

            new_user = User(first_name, last_name, followers, friends)
            self.users.append(new_user)

    def show_all_users(self):
        print("\nHere are the Records….\n")
        for user in self.users:
            user.introduce_self()
            user.view_full_profile()
        print(f"There are currently {len(self.users)} Members in the Social
Media page")

if __name__ == "__main__":
    test = TestUser()
    test.create_users()
    test.show_all_users()
```

Sample Output:

```
Insert a Record?[y|n]:y
First Name: Andrew
Last Name: Arcilla
Followers: 118
Friends:
Peter
Harry
Felicia

Insert a Record?[y|n]:y
First Name: Michael
Last Name: Fonia
Followers: 98
Friends:
Hillary
Morisson

Insert a Record?[y|n]:n

Here are the Records….

Hi I am Andrew Arcilla
Profile Name is: Andrew Arcilla with 118 followers
Your friends are: Peter Harry Felicia

Hi I am Michael Fonia
Profile Name is: Michael Fonia with 98 followers
Your friends are: Hillary Morisson

There are currently 2 Members in the Social Media page
```