

Answer Key

Code:

```
#include <iostream>
#include <vector>
#include <string>
using namespace std;

class Computer {
public:
    Computer() {}

    virtual void work() const = 0;
};

class PC : public Computer {
public:
    PC() {}

    void work() const {
        cout << "**BLUE SCREEN OF DEATH*" << endl;
    }
};

class MAC : public Computer {
public:
    MAC() {}

    void work() const {
        cout << "**WAITING FOR A YIELD*" << endl;
    }
};

class User{
public:
    User(const string& userName): name(userName) {}

    void buy(Computer& cp){
        CPUs.push_back(&cp);
    }

    void work() const {
        cout << "User: " << name << endl;
        for(int i = 0; i < CPUs.size(); i++){
            cout << "\t";
            CPUs[i]->work();
        }
    }

private:
    string name;
    vector<Computer *> CPUs;
};
```