

## sp24-pa6-Andy2Tran/src/Person.h

```
1 // Title : Pet.h
2 // Desc : Header file for Pet.cpp
3 // Name : An Tran
4
5 #include <vector>
6
7 #include <string>
8     using std::string;
9
10 #include "Address.h"
11 #include "Pet.h"
12
13 #ifndef PERSON_H
14 #define PERSON_H
15
16 #endif
17
18 class Person {
19 private:
20     string fName{""};
21     string lName{""};
22     Address address;
23     std::vector<Pet*> pets;
24
25 public:
26     // constructors
27     explicit Person(); // default
28     explicit Person(const string& fName, const string& lName, const Address& address);
29     explicit Person(const string& fName, const string& lName);
30
31     ~Person();
32
33     // getters
34     string getFName();
35     string getLName();
36     Address& getAddress();
37     std::vector<Pet*>& getPets();
38
39     // setters
40     void setFName(const string& newFName);
41     void setLName(const string& newLName);
42     void setAddress(const Address& newAddress);
43     void setStreet(const string& newStreet);
44     void setCity(const string& newCity);
45     void setState(const string& newState);
46     void setZip(const size_t& newZipCode);
47
48     // other
49     friend void operator+(std::vector<Pet*>& pets, Pet* pet);
50     friend void operator-(std::vector<Pet*>& pets, string& petName);
51     friend std::ostream& operator<<(std::ostream& output, Person& person);
52     friend std::istream& operator>>(std::istream& input, Person& person);
53
```

```
54     bool searchPet(const string& searchName);  
55     void addPet();  
56     void deletePet();  
57 };  
58
```