

Report

CountryList

- Data data

- ListNode next

```
+ CountryList();      + ~CountryList(); //init + destruct  
+ void appendNode (Data); // insert node to end  
+ void insertNode (Data); // insert node sorted  
+ deleteNode (char *); ← bool // deletes Node, returns T/F  
+ Data searchNode (char *); // finds node, returns Data  
+ void displayList() const; // displays contents of List
```

Data

```
double value // -1 = does not exist  
char code[3] // c-string country code  
string name // name of nation  
string capital // name of capital  
int population // population count
```

ListNode

```
Data data // holds country info  
ListNode *next // pointer to next node
```

```
bool readThisFile (CountryList &list) // reads countries.txt  
* uses two stringstream to go line by line + ; delimitation
```

```
void deleteCountry (CountryList &list) // deletes countries  
* loops until user enters QUIT  
* calls list.deleteNode (data);
```

```
void searchCountry (Country &list) // searches country  
* loops until user enters QUIT  
* calls list.searchNode (data);
```