

## State

-name  
-capital  
-population

```
+State() //no arg constructor
+String getName()
+String getCapital() //accessors
+String getPopulation()
+void setName() //mutators
+void setCapital()
+void setPopulation()
```

## StateList

-size  
-State[] statelist

```
+StateList() //create array with 100 elems
+StateList(int) //create array with n elems
//+StateList(file) //create array with 100 elems, and populate from file
+int getSize() //for testing currently
+void add(State) //add state to array, increment size
+void add(file) //add list of states to array from file - loop addState(State)
-int getIndex(String) //searches for String, returns index or -1 if none
+void removeState(int) //remove state by element
+void removeState(String) //remove state by state name calls getIndex(String)
//if found calls removeState(index);
+void searchState(String) //call getIndex(String)
//if found call print(stateList[index]);
+void print(State) //print state on line
+void print() //print list (calls print(state)) in for
```

## **main**

```
Scanner kb = new Scanner(System.in);
File file = new File("states.txt");
StateList stateList = new StateList(file);
StateList stateList = new StateList();
stateList.addState(file);
stateList.print();
System.out.println("Enter the state you want to search");
stateList.searchState(kb.nextLine());
kb.close();
```

