🏠 **SABlythe** / **CSC24400-Spring2021**

<> **Code**   ⊘ Issues   ⑂ Pull requests   ▷ Actions   ▦ Projects   ⊘ Security   〰 Insights

---

Added append

⑂ main

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👤 **SABlythe** committed 4 days ago 1 parent d6b2956   commit ca106b16b3fa6206a273b8c3642def433f76e4f0

⊞ Showing **3 changed files** with **41 additions** and **5 deletions**.

[Unified][Split]

⌄ **25** ▮▮▮▮▮ LinkedList_Singly/StringList.cpp ⧉

```
10    10          newNode->next() = _head;
11    11
12    12          _head = newNode;
      13    +
      14    +    if (_tail == NULL) // started with an empty list (aka this is the first item)
      15    +        _tail = newNode;
      16    +  }
      17    +
      18    +  void
      19    +  StringList::append(const std::string &someVal)
      20    +  {
      21    +    if (_tail==NULL) //nothing in list right now. (note: means head is null too)
      22    +      {
      23    +        // inserting at front would get this done as well.
      24    +        insert(someVal);
      25    +        return;
      26    +      }
      27    +
      28    +    // only way we can get here is if _tail was not null.
      29    +
      30    +    StringNode *newNode = new StringNode(someVal);
      31    +
      32    +    newNode->next() = NULL;
      33    +
      34    +    _tail->next()=newNode;
      35    +
      36    +    _tail=newNode;
      37    +
13    38        }
```

```
14   39
15   40        ostream&
```

7 ▰▰▰▰▱▱ LinkedList_Singly/StringList.hpp 🗐

```
 9    9      class StringList
10   10      {
11   11      private:
12      -        StringNode *_head;
     12   +        StringNode *_head;
     13   +        StringNode *_tail;
13   14      public:
14      -        StringList() {_head=NULL;}
     15   +        StringList() : _head(NULL), _tail(NULL) {}
15   16
16   17          void insert(const std::string &someVal);
     18   +
     19   +        void append(const std::string &someVal);
17   20
18   21          std::ostream& print(std::ostream& os) const;
19   22
```

14 ▰▰▰▰▱▱ LinkedList_Singly/main.cpp 🗐

```
25   25          cout << nameList;
26   26          cout << "===== END OF NAMES LIST =====" << endl;
27   27
28      -        StringList empty;
29      -        cout << empty;
30      -        cout << "===== END OF EMPTY LIST =====" << endl;
     28   +    nameList.append("Sailor");
     29   +    nameList.append("Gehner");
     30   +
     31   +    cout << nameList;
     32   +    cout << "===== END OF NAMES LIST =====" << endl;
     33   +
     34   +    StringList evil;
     35   +
     36   +    evil.append("Gates");
     37   +    cout << evil;
     38   +    cout << "===== END OF EVIL LIST =====" << endl;
31   39
32   40          return 0;
33   41      }
```

0 comments on commit `ca106b1`

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