

CS 485

Dynamic Memory Lab      10 points      Due: Friday, February 8, 3:30 pm

This is an individual assignment.

You must write your own string class, backed by a dynamic char array.

Download 01Lab\_DynamicMemory.zip from the class schedule web page.

Open the 01Lab\_DynamicMemory Solution.

The string class must implement the interface provided in PacString.h.

Use the provided test driver, main.cpp. You will need to add a small amount of code to main().

- Use VLD to make sure there are no memory leaks
- Determine how many times each of the following is called by the test driver and place the answer in the header comment for PacString.cpp:
  - default constructor
  - constructor (const char \*)
  - copy constructor
  - destructor

### **Submit**

You must print only PacString.cpp and turn in the hard copy by the due date. No electronic copy is required.