Communication Software Design

Lab 08 vector & free store

11/29/2019

In our lecture this week, we have learned a simple version of implementation for a vector which stores type of double elements . The header file is listed below.

Please modify and implement the header file so that the vector can be used to store type of string elements. The constructor should be able to initial all elements to "-". Add a print() function which can print all elements.

```
string NumberToString ( int number ) // #includ <sstream> to use
this
{
   ostringstream ss;
    ss << number;
   return ss.str();
}
int main()
{
       vector v(5);
       v.print(); // this should display -, -, -, -
       for (int i=0; i<v.size(); ++i)</pre>
       {
           string s = NumberToString(i);
           v.set(i,s);
       v.print();// this should display 0, 1, 2, 3, 4
```

main.cpp