
```

#ifndef TODOLIST_H
#define TODOLIST_H
#include <iostream>
#include <string>
#include "Todo.h"
using namespace std;

class TodoList
{
private:
    // Specification C4 - TODO array
    Todo** dynamicArray;      // Implement Dynamic Array
    int maxArraySize;
    int currentArraySize;

    void increaseSize() {
        Todo** tempArray = new Todo*[maxArraySize * 2];
        for (int i = 0; i < maxArraySize; i++)
            tempArray[i] = dynamicArray[i];      // Transfer contents to tempArray

        maxArraySize = maxArraySize * 2;      // Increase Array Size

        delete[] dynamicArray;      // Delete Array
        dynamicArray = tempArray;      // Transfer Contents from tempArray to
dynamic Array
    }

public:
    TodoList() {
        currentArraySize = 0;
        maxArraySize = 10;      // Pre set Max array size to 10
        dynamicArray = new Todo*[maxArraySize];
    }
    void insertTodo(string title) {
        if (currentArraySize == maxArraySize)
            increaseSize();

        dynamicArray[currentArraySize++] = new Todo(title);
    }

    // Specification C2 - Overload >>
    friend ostream& operator << (ostream& out, const TodoList& todo) {
        for (int i = 0; i < todo.currentArraySize; i++)
            out << (*todo.dynamicArray[i]) << endl;

        return out;
    }
};
#endif

```