

CSC 326 Data Structures

Assignment I

1. (5 points) **Class Vec**

Here is a checklist for helping you complete the `class Vec` library code:

- ☐ Start from the sample code at: https://replit.com/@Cong_Chen/20230223
- ☐ Change `struct` to `class`
- ☐ Make all the members `private`
- ☐ Add `get_size`, `get_capacity` and `get_array` methods
- ☐ Add `remove`, `index_of` and `operator+` methods
- ☐ Add `operator<` method, and together with other five (`>`, `>=`, `<=`, `==`, `!=`)
- ☐ Complete and debug all the other methods in the sample code, such as `insert`
- ☐ Write some testing code in the `main` function
- ☐ You can rename any class/members/methods/variables to meet your coding style
- ☐ Post your code at: https://replit.com/@Your_ID/CSC-326; Provide your replit ID if you haven't
- ☐ Due Date: 3/6/2023