University of Pittsburgh
Department of Electrical and Computer Engineering
ECE 0302: Data Structures and Algorithms

In-Class Exercise 4: Dynamic Bag Class

Instructions: Implement a DynamicBag ADT. Theoretically, the bag should have no size limit, (other than the maximum heap size assigned to program during the runtime). Practice dynamic memory allocation/deallocation (don't use std::vector), and include a custom copy constructor and custom copy assignment operator.

1. Download the starter code
2. In dynamic_bag.hpp define the class DynamicBag conforming to the BagADT interface.
3. In dynamic_bag_tests.cpp implement a few tests for the methods using Catch.
4. In dynamic_bag.tpp implement the DynamicBag methods.
5. Build your code locally as you work.

Submission: submit a zipped folder to Canvas under **ICE 4 – Dynamic_Bag**.