

Priority Queue

- make clean **MUST** clean PQ and List
 - cd ../GenericDynamicList; make clean
- clean PQ and List before making the tar file
- test driver
 - call **all** functions, in many combinations
 - Only use PQ functions. Do not reach into PQ or List.
 - insert 1,000,000 items, terminate, insert 1,000,000 again
 - do not print 1,000,000 success messages!
 - run Valgrind every day
 - validate all returned data (data and priority!)
 - insert two data types into the pq
 - create/terminate/create/terminate
 - insert priorities: 1,2,3,4 & 4,3,2,1 & 2,2,2,2 &

CS300: How to succeed

- Start early, commit to GitHub often
- Read comments written on your code & fix them
 - fix coding standards, especially comments and constants!
 - fix `processError` / call `processError` correctly (pass the correct function name!)
- Test Driver
 - use asserts
 - validate your data
 - call functions in various combinations
- Use List/Stack rubrics as a guide
- Run Valgrind every day

Test on Zeus

- Scp your tar file to Zeus

```
# make sure your code is in GitHub!  
ssh zeus
```

```
mkdir tmp_pq  
cd tmp_pq  
tar xzf ../cs300_3_PUNETID.tar.gz  
cd GenericDynamicPriorityQ  
make clean  
make  
bin/pqueuedriver  
make valgrind
```

```
# remove the directory from zeus in case you  
# need to reupload and test again.  
cd ../..  
rm -rf tmp_pq
```