



Advanced Programming

COEN 11

Lab 2



Lab 2 - Waiting List

- Surf Lessons, Waiting List
 - You were hired by a surf instructor to implement a waiting list system for lessons
 - Due on week 3 on your lab day



Lab 2

- The waiting list is created interactively with the following commands
 - 1 <name> <number>
 - Adds the *name* and *number* of people specified to the bottom of the list. Don't worry with duplicates.
 - 2 <size>
 - Removes (show and delete) oldest entry that fits the size of the opening. Move requests up.
 - 3
 - Shows the list, name and number, from oldest to newest
 - 0
 - Quits



Lab 2

- Requirements
 - 3 global variables: 2 arrays (name and size) and a counter
 - Main function: forever loop accepting commands
 - 4 functions
 - main, insert, remove, and list
 - List mechanism
 - Your list should stay in the oldest-to-newest order
 - Always insert a new entry at the bottom
 - Always shift entries up after deleting one



Lab 2

- Grading
 - Pre-lab
 - Flowchart of the insert function – 10%
 - In the lab
 - Demo to the TA – 30%
 - Submit your code to Camino – 60%



END

Lab 2