

## Advanced Programming COEN 11

### Lab 2

## Project 2

- ❑ Restaurant Waiting List
  - Due in week 2

## Project 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
  - 2 <size>
    - Removes (show and delete) oldest entry which fits the *size* of the table
  - 3
    - Shows the list, name and number, from oldest to newest
  - 4
    - Quits

## Project 2

- ❑ Requirements
  - Global variables: 2 arrays and a counter
  - Loop forever accepting commands
  - 3 functions
    - insert, remove, and list
  - Do not allow names to repeat
  - 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

## Project 2

### Extra Credit

- Give the next table available to the largest entry that fits its size
  - If there are more than one with the same largest size, the oldest one should be selected
- Add a comment with an explanation of how you did it.