

Advanced Programming COEN 11

Lab 5

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Urgent Care, Waiting List

- Using a linked list
 - Each node has a name, dept, and union with extra info

Lab 5

Extend lab 4

- Same options
 - 1, 2, 3, 4, 5, 0 → same interface and functionality

Lab 5

Do not allow names to repeat

- Check the list before inserting

Keep your list in the oldest-to-newest order

- Always insert a new entry at the end
- Use a tail pointer pointing to the last node

To Delete

- Search by dept, delete the oldest
 - Traverse the list using the pointers
- Fix the list, consider all the cases

To search and show

- Traverse the list using the the pointers

Lab 5

Requirements

- 1 linked list
 - 2 global variables: head and tail
- Same functions as in lab 4

Lab 5

To receive full credit

- Pre-lab (10%)
 - Cases for insert and delete
- Demo (30%)
 - Show the TA
 - insert 5 items
 - delete the one in the middle, the first, and the last
 - delete the nodes left, until it's empty
 - delete a non-existing node
 - insert one more
 - quit
- Submit to Camino (60%)