CS310
Data Structures

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Today

- **Last Lecture**
  - Linked Lists

- **Today**
  - More Linked Lists
  - Get Worksheet 2!
    - *No more reminders, new one every Wednesday, turn in every Monday*

Project

Questions?

Planning Prettier Code...

- **set()**
  - **parameters**: int index, Object to put there
  - **return**: ??
- **get()**
  - **parameters**: int index
  - **return**: Object at index
- **append()**
  - **parameters**: Object to add
  - **return**: ??

Remember to check for edge cases!

- **add()**
  - **parameters**: int index, Object to add
  - **return**: ??
  - **Other types of add**... parameters: Object?
- **remove()**
  - **parameters**: int index
  - **return**: ??
  - **Other types of remove**... parameters: Object?
- **search()**
  - **parameters**: Object to find
  - **return**: int index found (or -1 for not found)

Whiteboard: Wrapping Linked Lists

Linked List Variants

- **Node Fields**

  - Reference to next node ("singly")

  - Reference to previous and next node ("doubly")

- **List Fields**

  - Keep reference to head node

  - Keep reference to tail node

  - Track size? Optional...

Questions?