Last Lecture

- We saw how to ...
  - Determine the time/space efficiency of an algorithm using the Big O notation
  - Compare the various implementations of our List ADT class:
    - Position-oriented versus value-oriented
    - Array-based implementation versus link-based implementation
Learning Outcomes

At the end of this lecture (and the activity), a student will be able to:

- Describe Stack
- Define public interface of Stack ADT
- Design and implement Stack ADT using various data structures
- Compare and contrast these various implementations using Big O notation
- Give examples of real-life applications (problems) where we could use Stack to solve the problem
- Solve problems using Stack ADT
Today’s menu

- Introduce another linear data collection -&gt; Stack
Stack Activity
Next Lecture

- Continue introducing the Stack