Implementing Abstractions Part Three

Announcements

- Midterm has been graded.
 - Graded exams will be distributed at the end of class, along with statistics.
- YEAH hours for Boggle! are today from 7PM – 8:30PM in 380-380W.

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http://cs198.stanford.edu

Implementing Vector

Implementing Vector

- The technique we used to implement the Stack can also be used to implement the Vector.
- Store the elements in a dynamicallyallocated array.
- Double the size when extra space is needed.

Differences in Vector

- Elements can be added anywhere, not just at the end.
- Elements can be removed anywhere, not just at the end.
- Elements can looked up anywhere, not just at the end.

Building a Vector

- When designing a class, you typically must design both the interface and the implementation.
- Let's work together as a class to see if we can come up with how to do this!