

CS231 Fall 2013 Lecture 8

Stephanie R Taylor

September 20, 2013

1 Administrative Topics

- We take the quiz.

2 Developing our own list

Create a new `MyIntList` class with the following properties:

- It has a field named `data` that is an array of `ints`. You can also add other fields if you wish.
- It has all the following methods:
 - `public MyIntList()`, that initializes `data` to be an array of length zero.
 - `public int get(int idx)`, that returns the integer at index `idx` in the `data` array. You can assume the value of `idx` is in the legal range of indices for the `data` array.
 - `public int size()`, that returns the number of integers that have been added to the list.
 - `boolean contains(int x)`, which returns `true` if `x` appears anywhere in the list.

- `!!boolean isEmpty()`!, which returns **true** if the list has no integers in it.
- **void** `add(int x)`, which adds the value `x` at the end of the list.
- **public void** `remove(int idx)`, that removes the integer at index `idx` from the data array. You can assume the value of `idx` is in the legal range of indices for the data array.
- It has a main method that tests all the other methods.