CSE 12 – Basic Data Structures and Object-Oriented Design
Lecture 4

Greg Miranda & Paul Cao, Winter 2021

This lecture is being recorded

Announcements

- Quiz 4 due Wednesday @ 8am
- PA1 due Wednesday @ 11:59pm

Topics

- Questions on Lecture 4?
- ArrayList Insert/Remove

StringList Interface

```java
public interface StringList {

  /* Add an element at the end of the list */
  void add(String s);

  /* Get the element at the given index */
  String get(int index);

  /* Get the number of elements in the list */
  int size();

  /* Add an element at the specified index */
  void insert(int index, String s);

  /* Remove the element at the specified index */
  void remove(int index);

}
```

ArrayList Insert

```
/* Add an element at the specified index */
void insert(int index, String s);
```

- Write a test case for the ArrayList insert method
- Implement the ArrayList insert method

ArrayList Remove

```
/* Remove the element at the specified index */
void remove(int index);
```

- Write a test case for the ArrayList remove method
- Implement the ArrayList remove method