CSE 12 – Basic Data Structures and Object-Oriented Design
Lecture 5

Greg Miranda & Paul Cao, Winter 2021

This lecture is being recorded

Announcements

- Quiz 5 due Friday @ 8am

- Survey 2 due Friday @ 11:59pm

- PA1 due tonight @11:59pm

- PA2 released tomorrow

Topics

- Questions on Lecture 5?
- LinkedList Insert/Remove

Questions on Lecture 5?

StringList Interface

```java
public interface StringList {

  /* Add an element at the beginning of the list */
  void prepend(String s);

  /* 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);

}
```

LinkedStringList Insert

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

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

LinkedStringList Remove

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

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