CMSC 131

Fall 2018

Announcements

- Project #6 has been posted
  - Code distribution includes the prototype for an "incorrect" equals method in the Entrée class. Leave it!
- Exam #2 is on Monday.
- We'll do some review on Friday.

Javadoc Utility

What is "Javadoc"?

Syntax for Javadoc comments:
/**   ...   */

Common tags:
- At the top of the class
    @author

- Above methods
    @param
    @return
    @throws

Demonstration: Invoking the Javadoc utility on a project

Overview of Abstract Data Types

- Linear
- Sets
- Trees
- Graphs
- Others?

- Where do arrays fit in?

- Sequential vs. Linked allocation

- Is a linear data type always the best choice?

Java Collection Framework

- What is the "Collection Framework"? (Much more in CMSC 132!)

- Most Collection classes are in package java.util

ArrayList

- What is it?

- Java Generics
  - Why not just allow Universal collections?
  - Syntax:

    ```
    ArrayList<T> a = new ArrayList<>();
    ```

- ArrayList API

- YOU MAY NOT USE ARRAYLIST ON THE CURRENT PROJECT!

Example: ArrayListExample.java