CompSci 4
Final Review
Dec 3, 2009

Prof. Susan Rodger

Announcements

• Be A UTA Fall 2010– CompSci 4 Alice
• Final exam
  – Wednesday, 2-5pm

Extra Office Hours for Checkoffs
• See announcements on main page for CompSci 4 web page
• Last day Friday Dec 4! Hours til 5pm

Grades

• From the Course Web page:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
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</thead>
<tbody>
<tr>
<td>class participation</td>
<td>10%</td>
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<tr>
<td>classwork</td>
<td>20%</td>
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<tr>
<td>reading quizzes</td>
<td>5%</td>
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<tr>
<td>assignments/homework</td>
<td>15%</td>
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<tr>
<td>two exams</td>
<td>30%</td>
</tr>
<tr>
<td>final exam</td>
<td>20%</td>
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• Reading Quizzes –
  – Will drop some points
• Classwork – no drops, you can still turn in Classwork until this Friday, Dec 4 5pm.
Final Exam

- HTML is NOT on the final exam
- Covers Chapters 1-2, 4-7, 8.1, 9-11
- Covers Java (smaller amount)
- Mix of MC, short answer, write code
  - Similar format to tests 1 and 2
- Closed books, closed notes
- Alice: Will give list of properties, methods, functions for an object
- Java: will give string methods, example code

Java Method Signature

```java
public int Mystery(int [] lotsOfValues) {
    // body here
}
```

- public – accessible by all other methods
- int – type of value returned
- Mystery – name of function
- int [] lotsOfValues
  - Array of integers

If I give you a method with …
What do you write down first?

1. An Alice list – suppose it is called `balls`
2. An Alice array – suppose it is called `animals`
3. A Java string where you do something to each character in the string – string is called `dna`
4. A Java array of strings – array is called `prots`

How to Study

- Reading Quizzes – will put on Blackboard
- Classwork – review, try to write code on paper – especially Java APT methods and Alice methods from tests
- Assignments – review (especially Asg. 6)
- Practice writing code – if, loop, array, list, etc.
- Old Tests – Alice Tests and one Java quiz
If I give you a method with …

ANSWERS for previous slide

1. An Alice list – suppose it is called \textit{balls}  
   For all world.balls, one obj item\_from\_balls at a time

2. An Alice array – suppose array animals size 5  
   Loop index from 0 up to but not including 5 incr by 1

3. A Java string where you do something to each character in the string – String dna  
   for (char item\_from\_dna: dna.toCharArray())

4. A Java array of strings – array is called prots  
   for (String item\_from\_prots: prots)