CompSci 4  
Final Review  
Dec 8, 2011

Prof. Susan Rodger

Announcements

• Be A UTA Fall 2012 (may be Spring 2012) – CompSci 4 Alice
• Take another CompSci class – CompSci 6
• Final exam  
  – Saturday, Dec 17, 7-10pm

Extra Office Hours for Checkoffs

• See announcements on main page for CompSci 4 web page
• Last day Friday Dec 9! Hours til 2:45pm

Grades

• From the Course Web page:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>classwork/participation</td>
<td>15%</td>
</tr>
<tr>
<td>reading quizzes</td>
<td>5%</td>
</tr>
<tr>
<td>assignments</td>
<td>25%</td>
</tr>
<tr>
<td>two exams</td>
<td>30%</td>
</tr>
<tr>
<td>final exam</td>
<td>25%</td>
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</tbody>
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• Reading Quizzes –  
  – Will drop some points
• Classwork – no drops
Final Exam

- HTML and Alice 3 is NOT on the final exam
- Just Alice, Covers Chapters 1-2, 4-7, 8.1, 9-10
- 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

How to Study

- Reading Quizzes – will put on Blackboard
- Classwork – review, try to write code on paper – especially Alice methods from tests
- Assignments – review (especially Asg. 6)
- Practice writing code – if, loop, array, list, etc.
- Old Tests

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 non-visual Alice array of numbers called nums

What is the difference between these?

- 1. Write a function to return the tallest person in an array.
- 2. Write a function to return the location of the tallest person in an array.
- 3. Write a function to return the height of the tallest person in an array.
- “array” is ArrayVisualization
- Replace “tallest person” with “largest number” for nonvisual array
- In 1 and 3, same questions for list