

**CS 1632 Software Quality Assurance**

**Deliverable 4**

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Team Name: Macrosoft

1. **Introduction**

We did this assignment together. Wentao find the methods needed to be refactored. Bangyan wrote the test cases.

Difficulties: Before refactoring the two methods (iterateCell() and calculateNextIteration()), we don't know what the third method needs to be refactored.

1. **Optimized Feature 1**
   1. Write the name of the feature optimized (the label on the button)  
      Run Continuous
   2. Write the name(s) of the method(s) you refactored to optimize this feature  
      MainPanel.iterateCell()

MainPanel.calculateNextIteration()

* 1. Insert a screenshot of VisualVM CPU profiling ***after*** optimizing Feature 1. Please include only the “Hot spots” window in the screenshot.

图片包含 图表

描述已自动生成

1. **Optimized Feature 2**
   1. Write the name of the feature optimized (the label on the button)  
      Write
   2. Write the name(s) of the method(s) you refactored to optimize this feature  
      Cell.toString()
   3. Insert a screenshot of VisualVM CPU profiling ***after*** optimizing Feature 2. Please show only the profile for Feature 2 (do not invoke Feature 1 while profiling). Please include only the “Hot spots” window in the screenshot, as before.

