

simpleVisualizer

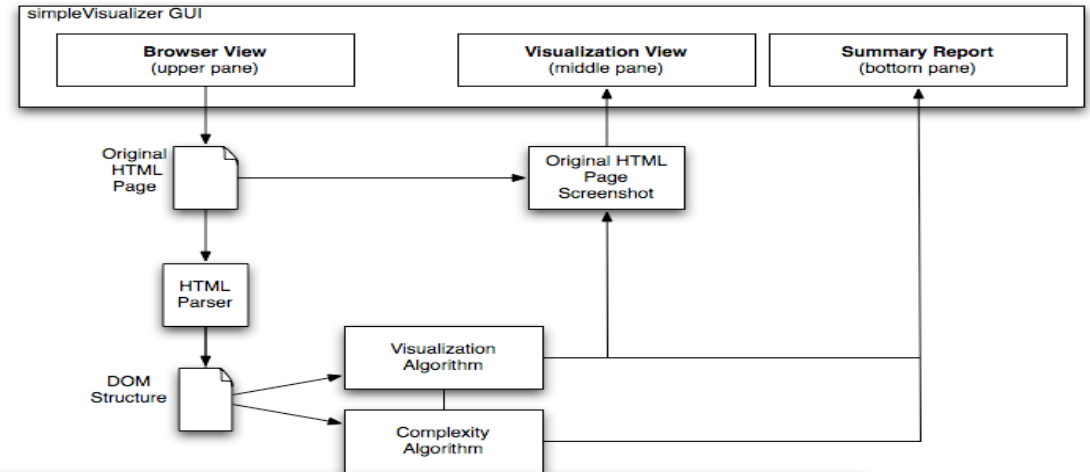
Implementation
Status & Description
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Description

- Implementation is based on ViCRAM project
- The tool provides:
 - Visual Complexity Score of the page
 - An overlay heatmap that mimics a user's visual complexity perception by noting the areas that are most visually complex



Simple Visualizer

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Address: file:///C:/Documents%20and%20Settings/Eleni%20Michalidou/My%20Documents/Implementation/Trials/Pages/Amazon%20UK.htm

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Summary report Detailed report

----- Complexity Heatmap - Simple Visualizer View -----
 Colour range: Red - Orange - Yellow - YellowGreen - Green - DarkGreen

The more to the red colour, the more visually complex the grid is. The colours depend on the overall visual complexity of the page. The grids with the highest complexity score reflect the overall page's VCS; the more to the red the more visually complex the page is.

----- Grid Description: -----

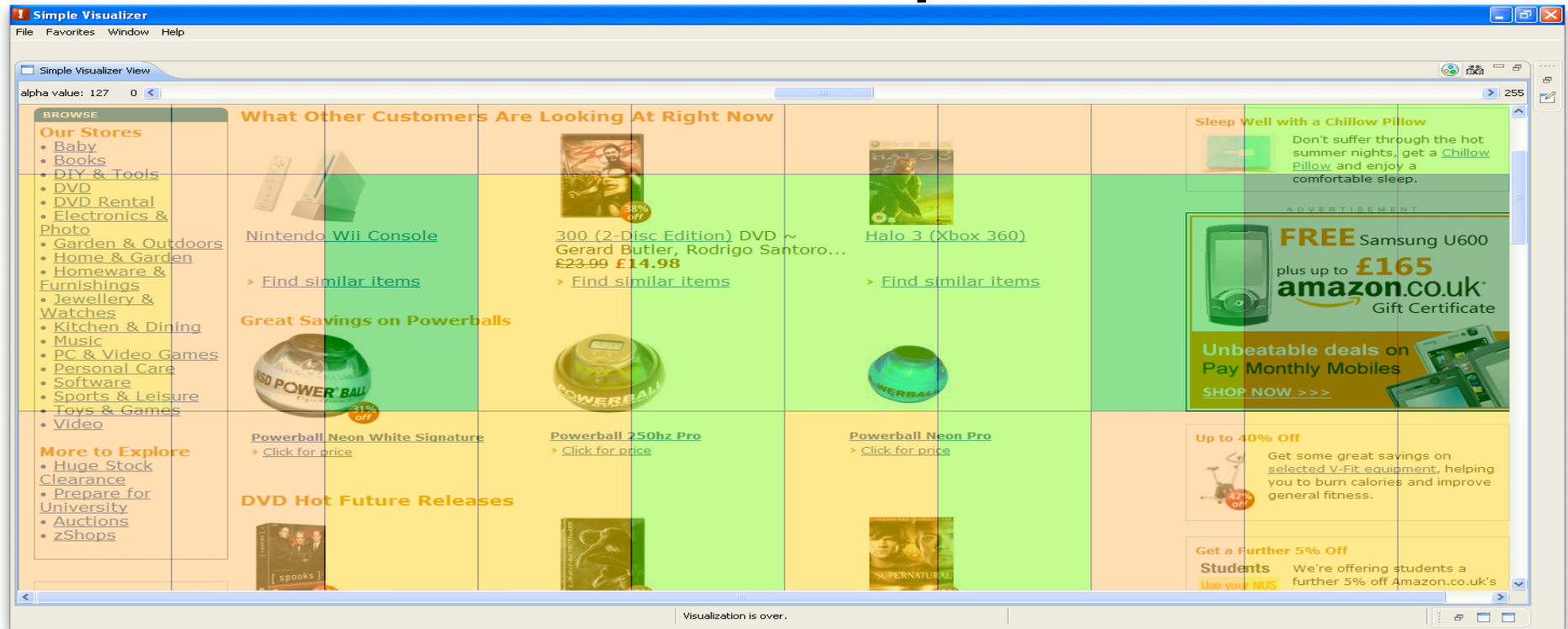
Grid (row-column): 0-0 | Images: 1 | TLC: 5 | Word Count: 31.0 | VCS = 0.3874000000000001
 Grid (row-column): 0-1 | Images: 1 | TLC: 1 | Word Count: 2.6666666666666665 | VCS = 0.19843333333333332
 Grid (row-column): 0-2 | Images: 0 | TLC: 1 | Word Count: 8.666666666666666 | VCS = 0.22993333333333332
 Grid (row-column): 0-3 | Images: 0 | TLC: 1 | Word Count: 10.666666666666666 | VCS = 0.24053333333333332

---Live DOM---

```

<HTML>
<HEAD>
<TITLE>Amazon.co.uk: low prices
<STYLE type="text/css"></STYLE>
<SCRIPT language="Javascript1.1"
<META content="Low prices on di
  
```

Heatmap



- The colour array can be changed in the code but for our implementation we use the following array: Red - Orange - Yellow - YellowGreen - Green - DarkGreen.
- The grids are coloured starting from the pageColour (based on the VCS) to the last colour of the array (DarkGreen).
- The more to the Red colour, the more visually complex the grid is.

Implementation Status

- Currently:
 - Contributing through bugzilla
 - Documentation & Technical Report
 - Fixing minor errors
- Future work:
 - Create `org.eclipse.actf.visualization.complexity` plugin and move Complexity and Visualization algorithms into it