Empirical Investigation of Visual Aesthetics and Accessibility (EIVAA)

Project Description and Implementation Status
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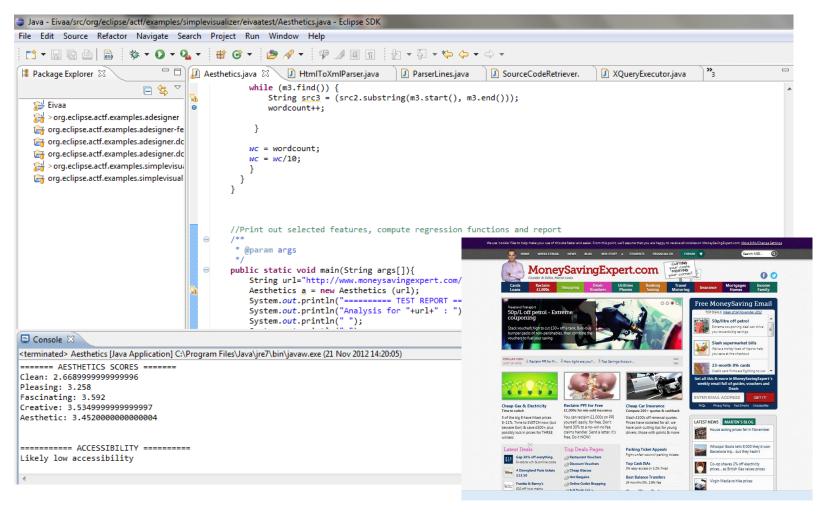
Description

- Implementation is based on the EIVAA project available at http://wel.cs.manchester.ac.uk/research/eivaa/.

- The EIVAA tool represents a first step towards providing proxy accessibility status information regarding a Web page by examining its visual quality.

- The statistical models on which the EIVAA tool is based were generated from several user studies conducted. The results from the tool mimic those of its human counterparts.
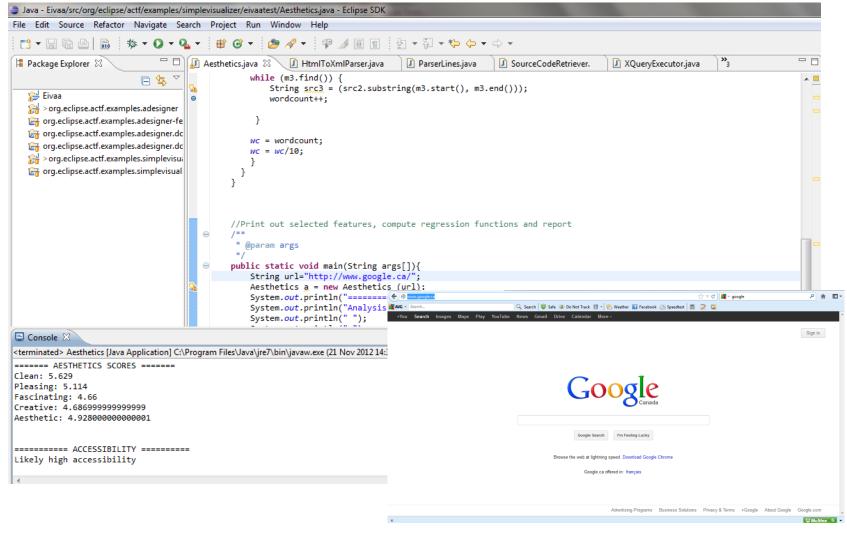
Example I

Example I shows EIVAA tool results for the MoneySavingExpert.com Web page shown. The tool first analyses the aesthetic quality of the Web page, and then makes a proxy accessibility status prediction based on its appearance represented by the aesthetic scores.

Example II

Example II shows EIVAA results for another Web page – Google Canada.

Implementation Status

- Technical report write-up

- Fixing minor bugs

- Submission to ACTF after CVS to Git migration

- Currently being extended in another project being carried out by WEL researchers. For more information please visit http://wel.cs.manchester.ac.uk/

Thank you