Tobii test of Text 2.0 by Ralf Biedert

Text 2.0 is a framework for eye tracking applications.

Tested in August 2010 by Måns Östberg

Text 2.0 is a framework for developing web based eye tracking applications. The focus is on interactive text and reading. The framework includes a simulator, Processing Easy Eye tracking Plugin (tested separately), diagnosis software and a browser plugin.

Text 2.0 is maintained by Ralf Biedert.

Test details

Test performed 2010-08-05 on version 1.2, released in July 2010. The test was performed on the following equipment:
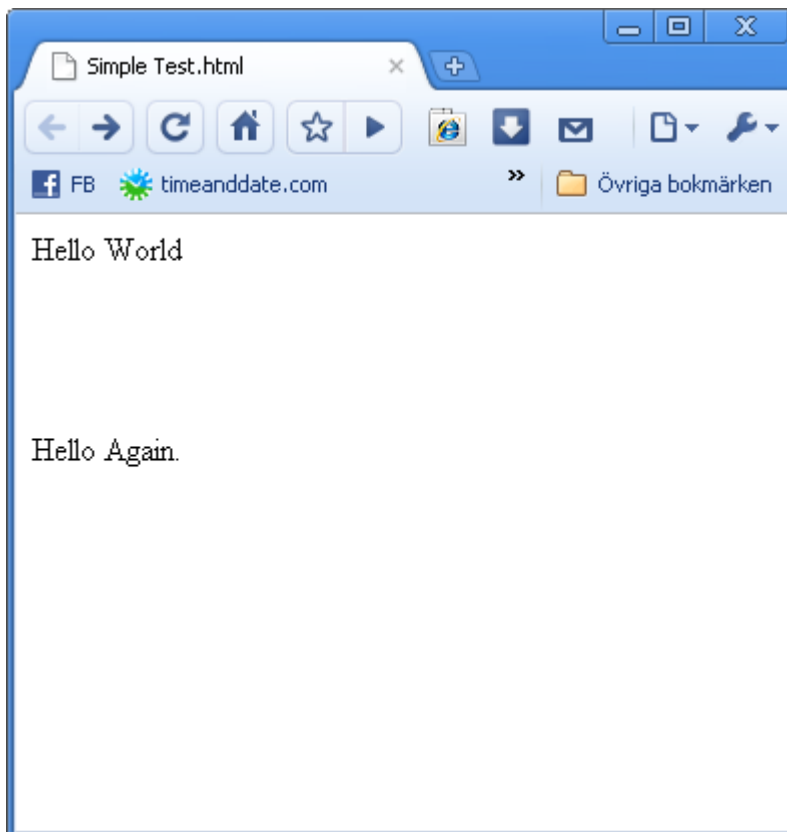
- Eyetracker: Tobii T60 XL, firmware 1.2.21 (should work on all Tobii eye trackers)
- Computer: FujitsuSiemens laptop LIFEBOOK BS034 (2 GB ram, 2 GHz Intel Core2 T7200 CPU at 2 GHz)
- Operating system: Windows XP service pack 3
- SDK: Tested with SDK 2.4.11 installed.

Test results

We have not written any web applications of our own, but the included demo works fine.
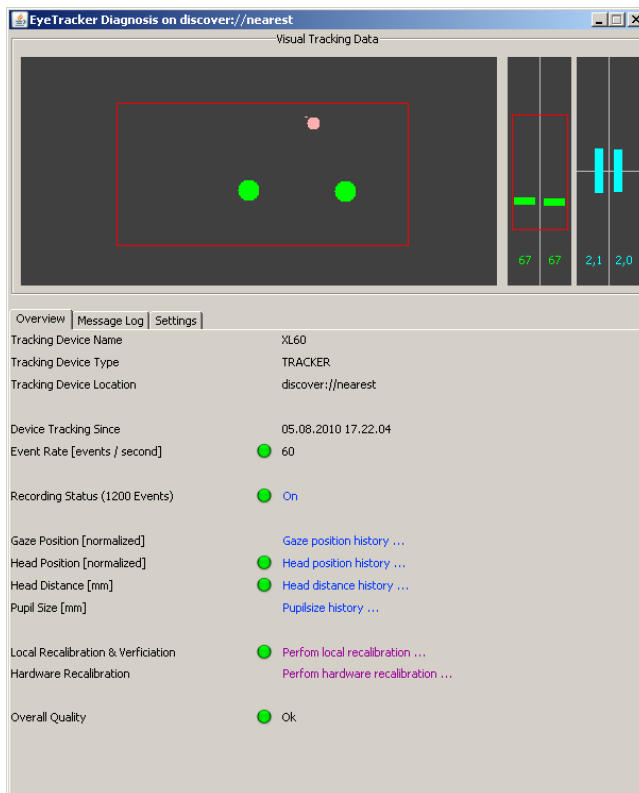
Overview

The Text 2.0 framework provides a java library that enables web sites using eye trackers to interact with the user. Picture 1 below shows a simple demo web page that's included in the framework. Looking on the first "Hello World" results in a pop-up windows. "Hello Again" gives a pop-up when the user looks at it and one more pop-up when the user looks away. These are the three kinds of actions that can be read from the eye-tracker.

Picture 1

Get going

The download includes PEEP, a tracking server, diagnosis tools and a browser plugin. To run PEEP or the browser plugin you first need to run the tracking server which connects to the eye tracker. You can also run the tracking server in simulation mode. The tracking server is set up by editing the file *config.properties.* The diagnosis tool shows you if the connection is working and allows you to calibrate the eye tracker, see Picture 2 below.

Picture 2

www.tobii.com