Implementation In SVG viewer

FOR

Arabic, Urdu Fonts Support

(LUGA)

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Table of Content

Abstract.....1

Chapter 1
Introduction to SVG

1.1 Scalable Vector Graphics (SVG).....3
1.2 Applications of SVG in industry.....4
1.3 Explanation of SVG.....6
1.3.1 Scalable.....6
1.3.2 Vector.....6
1.3.3 Graphics.....6
1.3.4 XML.....7
1.3.5 Namespace.....7
1.3.6 Stylable.....7
1.4 Important SVG concepts.....8
1.5 Options for using SVG in Web pages.....10
1.6 Technical Details.....11

Chapter 2
SVG Viewers

2.1 SVG Viewers.....13
2.1.1 Conforming Static SVG Viewers.....13
2.1.2 Conforming Dynamic SVG Viewers.....13
2.2 Overview of SVG fonts.....15
2.2.1 The 'font' element.....18
2.2.2 The 'glyph' element.....19
2.3 Complexity Analysis.....24
2.4 SVG Toolkit.....25
2.4.1 Required Classes.....25
2.4.2 Command line usage.....26

Chapter 3
Luga Architecture
Luga Architecture.....28

3.1 Application Module.....29
3.2 Core Modules.....30
3.3 Low-Level Modules.....31
3.4 Script Security Warning.....33
3.5 Applications Of Luga.....33
3.6 The SVG Specifications.....35
3.7 Luga's Implementation Status.....35

3.8 Flow Diagrams....36
3.9 ArabicTxtHndlr....38

Chapter 4
Rendering
4.1 Introduction....42
4.2 Characters and their corresponding glyphs....42
4.3 The 'text' element....43
4.4 The 'tspan' element....47
4.5 The 'tref' element....49
4.6 Text rendering order....49
4.7 Alignment properties....50
4.8 Spacing properties....53
4.9 White space handling....55

Chapter 5
Testing
5.1 Testing....57
5.1.1 The Testing Structure....57
5.1.2 Default implementations....58
5.2 Types of Testing....59
5.2.1 Black Box Testing....59
5.2.2 White Box Testing....59
5.2.3 Luga Testing....61
5.3 Managing test suites....66
5.4 Running a test suite....68
5.5 Guard: the Luga regression test suite....70
5.6 Writing new tests....72

Conclusion....73
Bibliography....74

Abstract

Web-based applications are increasing in popularity. Developers are often limited by browser incompatibilities and missing functionality. With powerful scripting and event support, SVG (Scalable Vector Graphics) can be used as a platform upon which to build graphically rich applications and user interfaces.

In web browsers there is no support for the Urdu, Arabic fonts recognition. So when we see a web page containing Urdu or Arabic language, in general these are the images being downloaded or the users have to download and install the font on the system which requires restarting the machine. Both of them have disadvantages that if we use images it takes long time to download and in the second case most of the users do not know how to install fonts or do not like to restart the machine while surfing.

The objective of this project is to implement an Urdu, Arabic font recognition system and provide full support of it in SVG viewer.

This report contains the briefing of the project, its design, implementation and summary.

We create and embed an SVG font in SVG viewer using Java tools. An SVG font can be either embedded within the same document that uses the font or saved as part of an external resource. The purpose of SVG fonts is to allow for delivery of glyph outlines in display-only environments. SVG fonts that accompany web pages must be supported only in browsing and viewing situations. The outcome of this project is an SVG Viewer with full Urdu & Arabic Support.