Issues of Human Computer Interactions and System Developments

Sofianiza Abd Malik



IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

ISSUES OF HUMAN COMPUTER INTERACTIONS AND SYSTEM DEVELOPMENTS

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Editors

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Published by: IIUM Press International Islamic University Malaysia

First Edition, 2011 ©HUM Press, HUM

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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Bibliography p. Includes Index ISBN

ISBN: 978-967-418-082-9

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM (Malaysian Scholarly Publishing Council)

Printed by:

HUM PRINTING SDN. BHD.

No. 1, Jalan Industri Batu Caves 1/3 Taman Perindustrian Batu Caves Batu Caves Centre Point 68100 Batu Caves Selangor Darul Ehsan

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6. TAGGING WEB IMAGES FOR BLIND USERS

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ABSTRACT

One way to remedy the gap that evidently exists between the image element on the web and the web user who is visually blind is by redefining connection between the image and the abundant element of the web itself i.e. text. Studies on the web image automatic descriptors are largely done from the perspective of the fields of the HCl. the semantic web, the information retrieval or a hybrid approach. This paper however suggests that a solution is possible by adapting the web images resources considering the factors for web image's being used in developer's and blind user's perspectives. An effective and appropriate auto image tagger may consider this view.

6.1 INTRODUCTION

Adapting web images to make them useful to blind users of the Internet presents a major technological challenge. In practice web images are commonly ignored by blind users due to the considerable difficulty in obtaining meaningful output. Evidence for this has been found from a preliminary study with users of a local blind centre. This is also supported by evidences from related studies (Petrie, O'Neill & Colwell, 2002, Petrie & Kheir, 2007).