

Improving Smartphone's interaction for visually impaired and blind users



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(Rebecca Bechtelar)

IMPROVING SMARTPHONE'S INTERACTION FOR VISUALLY IMPAIRED AND BLIND USERS



GRIN Verlag Apr 2013, 2013. Taschenbuch. Book Condition: Neu. 210x148x2 mm. This item is printed on demand - Print on Demand Neuware - Seminar paper from the year 2012 in the subject Business economics - Business Management, Corporate Governance, grade: A, The University of Liverpool, language: English, abstract: AbstractA great number of smart phones still are inadequately interactive with visually impaired and blind users and the steps to providing access that actually exist does not give or sustain some of the tasks efficiently. This literature review presents some of the issues and gives different yet effective solutions and guidelines to improve the Smartphone's interface with visually impaired and blind users. CHAPTER 1: INTRODUCTION Nowadays, mobile devices allow the disabled people with many different opportunities to act independently in the world. However, these powerful and competent devices may have large number of interactivity challenges, especially for the people who are blind or visually impaired. Research and different studies proves that a blind or visually impaired person has better capability to rely on other senses most importantly the touch and audio sensors. This literature review would be dealing with the analysis and studies of different interfaces for the blind and visually impaired patients, keeping in view the important points that favour the user in every way. Using the haptic concept, to elaborate the letters for the blind user while writing a text message or calling someone and an audio interface to direct and communicate between the phone and user. There are some problems that hinder blind users to interact with the Smartphone which includes screen touch, interface, text entry, navigation, individual differences and some other problems. There are no efforts that have been made to discover the control of touch or smart phones in non-visual mobile interface. In this lecture review, I am going...



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