(Mobile Government)

Mobile _Tourism Services Providers Guide system

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ABSTRACT

One of the prevailing tendencies of the modern communication technology is tourism services providers guide system, the interaction of the government, tourism services providers and the citizens or the tourists wherever they go. The processes in a tourism service providers guide intends to improve the performance of specific tasks which may include define service providers (hotels, car rental, airlines, travel agency) supervised by one administrator. Furthermore, any service providers can login and edit for special profile information.

This system will provide searching access for main information about tourism Services providers in the Jordan for any citizens or tourists anywhere, and at any time, quickly and easily, using mobile technology.

Finally, the system is tested and the result confirms that the proposed system.

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This work is dedicated to my father and mother .

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CHAPTER 1

INTRODUCTION

1.0 Introduction

E-government is a national program. The purpose of this program is to improve government performance in the services, efficiency, accuracy, time and cost and high transparency and the high level of customer satisfaction across government.

As an integral part of the E-government many central and local governments begin providing E-government services through a variety of channels of service delivery to the network. One of these channels is the delivery of mobile telephone services. This channel has become more important in view of the faster growth than the mobile penetration rate compared to the PC-based Internet, a factor that could play a significant role in bridging the digital divide. The use of mobile services produced the government is called mobile government.

From a citizen perspective, m-government stands for a new type of front-end access to public services that have been made available specifically for mobile devices or adapted from existing applications government. M-government also means that citizens do not have to go and search for kiosks, or even access connection to the house, carrying a mobile direct with access to m-government wherever they go.

The contents of the thesis is for internal user only

7.3 Future Work

Government agencies are currently exploring the feasibility of using new mobile technologies such as two-dimensional (2D) barcode technology for mobile services. Such technology embeds information on printed images, which is invisible to the human eye. This digital information can be decoded by taking a photo of the image with a camera phone and using reader software. With the captured image, our customers can access government information and services instantly via their mobile phones.

References

Allen, G., Remedios, J. J., Newnham, D. A., Smith, K. M., & Monks, P. S. (2005).: Improved mid-infrared cross-sections for perox-yacetyl nitrate (PAN) vapour, Atmos. Chem. Phys., 5, 47–56, 2005.

Arrington, C. T., & Rayhan, S. H. (2003). *Enterprise Java and UML*. Second Edition, PrenticeHall, ISBN: 0471386804

Baraev, I. (2005). Bluetooth Wireless Technology and PAN. Retrieved 15 Mar, 2008 From:
www.it.lut.fi/ssotc/ssotc05/presentations/Ilya%20Baraev%20-%20**Bluetooth**.pdf -

Brücher,H.& Baumberger,E. (2002).Using Mobile Technology to Support eDemocracy Retrieved Feb 29, 2008 From:
http://ieeexplore.ieee.org/iel5/8360/26341/01174324.pdf?arnumber=1174324

Buttussi.F, Chittaro.L, and Nadalutti.D (2006), *Bringing Mobile Guides and Fitness ActivitiesTogether: A solution based on an embodied virtual trainer*, Proceedings of the 8th conference on Human-computer interaction with mobile devices and services MobileHCI '06 September 2006

Chou, L.D., Lee, C.C., Lee, M.Y ,& Chang, C.Y.(2004). A Tour Guide System for Mobile Learning in Museums .Retrieved Feb 13, 2008From:
http://ieeexplore.ieee.org/iel5/9017/28620/01281385.pdf?temp=x&htry=4

Colafigli,C., Inverardi,P.& Matricciani,R(2001) InfoParco: an experience in designing an information system accessible through WEB and WAP interfaces. Retrieved Jan 29, 2008 From:
http://ieeexplore.ieee.org/iel5/7255/20032/00927207.pdf?tp=&arnumber=927207&isnumber=20032

Davis, F.D. (1989). *Perceived Usefulness," Perceived Ease of Use, and User Acceptance of Information Technology"*, Retrieved Feb 2, 2008 From :
International Jouranl of Human-Computer Intercation, vol. 7, pp. 57-70, 1989.

Deakin,d(2007) Product Roadmap Internet Information Services (IIS) Retrieved 2 Apr, 2008 From :
http://boan.tistory.com/attachment/ek120000000001.pdf

Dennis & Wixon, (2003). Evaluating usability methods: why the current literature fails the practitioner. In Interactions, 10 (4) ACM. pp. 28-34

Elliott, G.. & Phillips, N. (2004). Mobile Commerce And Wireless Computing Systems: Pearson Education Limited.

Ermel, C. Holscher, K. & Kuske, S. & Ziemann, P. (2005). Animated Simulation of Integrated UML Behavioral Models based on Graph Transformation. Proceedings of the 2005 IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC'05)

Evans,H.&Ashworth.P.(2001).Getting Started with WAP and WML. Retrieved 13 Feb 2008 From: http://www.springerlink.com/content/x463233351x61601/

Gooch. G., Jacobson, J. & Rumbaugh, J. (2001). *The Unified Modeling Language User Guide* (8 ed). New Jersey:Addison Wesley.

Gilmore, J. (2006).APA style essentials.Retrived. 21 Mar, 2008 From the star website : http://thestar.com.my/news/story.asp?file=/2006/9/21/nation/20060921124336&sec=nation.

Gupta, P. (2007). *Personal Area Networks: Say It And You Are Connected!* Available at: Retrieved Feb 11, 2008 From: http://www.wirelessdevnet.com/channels/bluetooth/features/pans.html

Hagen, K.T., Modsching, M., &Kramer, R.(2004). A Location Aware Mobile Tourist Guide Selecting and Interpreting Sights and Services by Context Matching. Retrieved Mar 1, 2007 From: http://ieeexplore.ieee.org/iel5/10342/32905/01541009.pdf

Hevner, A., March, S., Park, J. and Ram, S. (2004). "Design Science in Information Systems Research." MIS Quarterly 28(1): 75-105.

Huijnen, C.(2006). MOBILE TOURISM AND MOBILEGOVERNMENT: Facing the Inevitable 40-42. Retrieved Mar 3. 2008 From: www.mgovworld.org/whitepapersandcasestudies/invenory-mobile-government.pdf

Jacob.G ,(2007) *mobile government* retrieved Jan 10, 2008 From: http://topics.developmentgateway.org/egovernment/rc/BrowseContent

Kiki, T. & Lawrence, E. (2006). Government as a Mobile Enterprise: Real-time, Ubiquitous Government .Retrieved Feb 3 , 2008 From: http://ieeexplore.ieee.org/iel5/10728/33849/01611613.pdf

Korkki, J. (2001). *Wireless e-business by IBM Wireless Local Area Networks.*

Kushchu, I. (2004). From E-government to M-government: Facing the Inevitable 1-12. retrieved 10 Jan, 2008 From: http://www.mgovernment.org/resurces/mgovlab_ikhk.pdf

Kushchu.I & Kuscu, M. H. (2003).*mobile government (m-government)*.Retrieved Feb 20 ,2008 From: http://topics.developmentgateway.org/egovernment/rc/BrowseContent

Mallat. N.. Rossi. M.. & Tuunainen, V. K. (2004). Mobile Banking Services. Communications of The ACH. 47, 42-46. Retrieved March 3, 2008 From: Http://portal.acrn.org.eservice.uum.edu.my/ft_gateway.cfm?id=986236&type=pdf &coll=Port al&dl=GUIDE&CFID=460807 17&CFTOKEN=763942

Milroy, S.& Cox, K(2002)*net mobile web developers guide.* Retrieved 13ogs 2007 from . http://www.amazon.com/NET-Mobile-Web-Developers-Guide/dp/1928994563

Mitchell,S. (2005). *ASP.NET Data Web Controls Kick Start* (2 nd ed). Boston: Bill and Srinivasa .

Mukherjee, A .& Biswas .A (2005) . Simple Implementation Framework for m-Government Services .Retrieved 15 Jan, 2008 From: http://doi.ieeecomputersociety.org/10.1109/ICMB.2005.93

Mitko Gospodinov, E. B., Andrei Zamanov (2004). "Microsoft .NET Mobile Web." 6 0-64

M i l r o y, S., Kalani, A., Cox, K., & Lee, W. M. (2002) .NET MobileWeb Developer's Guide", Syngress Media Inc., December 10, 2002.

Miller, A. (1997). Golf scorekeeping system. US. Patent. 5681105

National Conference (2007) *Primary Health Care* retrieved Feb 9, 2008 From: http://www.hc-sc.gc.ca/hcs-sss/prim/index_e.html

Ndou, V. D. (2004). E–Government FOR Developing Countries: Opportunities AND Challenges. *EJISDC, 18*(1), 1-24. Retrieved Jan 15, 2008 from http://unpan1.un.org/intradoc/groups/public/documents/untc/unpan018634.pdf

Nunnally, J. C. (1978). Psychometric theory (2nd ed.). New York: McGraw-Hill.

Nunamaker ,J.F.J.,chan,M.,&purdin,T.D.M,(1991). *System development in information system research* .Retrieved Jan 2, 2008 From: http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=205401

Ober, I. (2000). More Meaningful UML Models. French RNRT Project No 98.S.02882000, IEEE. 0-7695-0918-5100

O'Docherty, M. (2005). Object-Oriented Analysis and Design Understanding System Development with UML 2.0. John Wiley & Sons, Ltd.

O' Sullivan, D.T.J., Keane, M.M. (2000) The Specification of a web Based Multimedia Information System for Building Appraisal. CIB W89 International Conference on Building Education and Research (BEAR2000). May 16-18 2000. Atlanta Georgia USA.

Paul D. Sheriff, P.D. (2006) *Fundamentals VB.NET* .Retrieved 13 Mar, 2008 From: http://pdsa.com/Download/eBook/Preview_57.pdf

Purao, S. (2002). "Design Research in the Technology of Information Systems: Truth or Dare." GSU Department of CIS Working Paper. Atlanta.

Ryan, C., & Rossi, P. (2005). *Software, performance and resource utilisation metrics for context-aware mobile applications.* Paper presented at the Software Metrics, 2005. 11th IEEE International Symposium: 19-22 Sept. 2005 on Page(s): pp: 10.

SASIDHAR, B (2005) *THE EFFECTS OF MOBILE DEVICES AND WIRELESS TECHNOLOGY ON E-LEARNING* .Retrieved Feb 11, 2008 From: *http://www.sunway.edu.my/others/vol2/sasidhar45.pdf*

Sheriff.P.D. (2006) *Fundamentals VB.NET* retrieved Mar 13, 2008 From: http://pdsa.com/Download/eBook/Preview_57.pdf

Steve simon (2004) What's a good value for Cronbach's Alpha? Retrieved 25 Mar 2008 from http://www.childrens-mercy.org/stats/weblog2004/CronbachAlpha.asp

Yun, C. H .& Chen, M. S. (2007) data mining capability for a mobile commerce environment .Retrieved Feb 19, 2008 From : http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4106041

Vaishnavi & Kuechler. (2004). Design Research in information system. Retrieved Jan 15, 2008 From : *http://www.isworld.org/Researchdesign/drisISworld.htm*

Walther,S(2005). *ASP.NET Unleashed* (1st ed). Boston: Allyn and Bacon.

Wan, K. Yan, X. Xu, C. (2005). *Automatic Mobile Sports Highlights*. ,Inst for Infocomm Res., Singapore., Multimedia and Expo. ICME 2005. IEEE International Conference on Publication : 6-8 July 2005 On page(s):pp:4 - ISBN: 0-7803-9331-7

Waston, K. (2005). *Beginning ASP .NET 2.0 E-Commerce in C# 2005* (1 st ed) Florida: Dari.

Williamson, S., Halepovic, E., Sun, H., & Wu, y. (2005).Characterization of CDMA2000 Cellular Data Network Traffic .Retrieved 17 Mar, 20078From: http://pages.cpsc.ucalgary.ca/~carey/papers/2005/WLN2005.pdf

Wortzet, R. 1979. New Life Style Determinants of Women's Food Shopping Behavior. Journal of Marketing, 43, 28-39

X.Sun. and A. May. (2007): *User Experience and Mobile Device Personalization at Large Sports Events*. In Proceedings of the HCI International 2007.

Zhao, J.J. (2003). INTEROPERABILITY OF WIRELESS COMMUNICATION: TECHNOLIGIES AND MOBILE INTERNET APPLICATION DEVELOPMENT TOOLS. Retrieved 17 Mar, 2008 From: www.osra.org/2003/zhao.pdf