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Empirical Study of the Key Factors affecting Customers'
Satisfaction of electronic payment systems (ATM and POS)
in the banks member of network acceleration and rating
factors with the AHP model

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Abstract

Many e-commerce transactions via e-payment systems is carried out. The aim of this study is that the theory of structures, an empirical analysis about the importance and ranking key factors that may be on customer satisfaction in electronic payment systems affect the Iranian banks.9 specific topics of the factors in e-payment systems, customer satisfaction and affect are more key, were selected and reviewed. To achieve this goal, Out of 754 questionnaires for statistical analyses was provided to respondents. A total of 548 questionnaires were coded and analyzed using LISREL 8.53 to analyze the hypotheses. The research proved that the perceived importance of the key factors was correlated through security, trust, perceived advantage, processing speed, perceived risk, usability, focusing on customer needs, responding to objections and privacy. In the following with regard to the factors are qualitative, AHP model is used to ranking effective factors and variables.

Keywords: Electronic commerce, E-Payment Systems, ATM, AHP model, Customer satisfaction.

References

- Abrazhevich, D. (2004), "Electronic payment systems: a user-centered perspective and interaction design", PhD thesis, Technical University of Eindhoven, Eindhoven.
- Ajzen, I. (1985). "From intentions to actions: a theory of planned behavior", in Action Control: From Cognition to Behavior, J. Kuhl and J. Beckmann (Eds.), New York: Springer-Verlag, 11-39.
- Ajzen, I. (2006). "Constructing a TpB questionnaire: conceptual and methodological considerations", [online source: http://people.umass.edu/aizen/tpb.html., latest review at 2007/12/16]
- Bagozzi, R.P., et al (1992), "Development and test of a theory of technological learning and usage", Human Relations, Vol. 45 No. 7, pp. 660-86.
- Bauer, R.A. (1960), "Consumer behavior as risk-taking", in Hancock, R.S. (Ed.), Dynamic Marketing for a Changing World, American Marketing Association, Chicago, IL, pp. 389-98.
- Berry, L.L. and Parasuraman, A. (1991), "Marketing Services: Competing Through Quality, The Free Press, New York, NY
- Cheng, T.C.E., et al., (2006). "Adoption of internet banking: an empirical study in Hong Kong", Decision Support Systems, 42(3), 1558-1572.
- Chiu, C. M., et al, (2010). "Antecedents of trust in online auctions", Electronic Commerce Research and Applications, 9, 148-159.
- Chou, Y., et al, (2004). "Understanding M-commerce payment systems through the analytic hierarchy process". Journal of Business Research, 57, 1423-1430.
- Cotteleer, M. J., et al, June 2007: "challenges and choices in B2B e-payments". Communications of the ACM, 50, 6, 56-61.
- Dai, X., et al, (2007). "an off-line, decentralized micro-payment system for thin-client applications". Electronic Commerce Research and Applications, 6, 91–101
- Davis, G. (1989), "Perceived usefulness, perceived ease of use and user acceptance of information technology", MIS Quarterly, Vol. 13 No. 3, pp. 319-39.
- Featherman, M.S. and Pavlov, P.A. (2003), "Predicting e-services adoption: a perceived risk facets perspective", International Journal of Human-Computer Studies, Vol. 59 No. 4, pp. 451-74.
- Fishbein, M. and Ajzen, I. (1975), "Belief, Attitude, Intention, and Behaviour: An Introduction to Theory and Research", Addison-Wesley, Reading, MA.
- Gao, Y. (2005), "Interactivity and amusement in electronic commerce", Encyclopedia of Information Science and Technology, Vol. III, pp. 1607-11.
- Gefen, D, et al, (2003),"Trust and TAM in online shopping: an Integrated Model", MIS Quarterly, 27(1), 51-90.
- Goldfinger, C. and Perrin, J. (2001), "E finance and small and medium-size enterprises (SMEs) in developing and transition economies", UNCTAD background papers, United Nations Conference on trade and Development, Geneva, pp. 45-78.
- Heng, S. (2004), "E-payments: modern complement to traditional payment systems", Economics Working Paper No. 44, May 6, available at http://ssrn.com/abstract1/4542523

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- Jarvenpaa, S.L., et al. (2000), "Consumer trusts in an internet store", Information Technology and Management, Vol. 1 Nos 1/2, pp. 45-71.
- Johnston, R. (2001), "Linking complaint management to profit", *International Journal of Service Industry Management*, Vol. 12 No. 1, pp. 60-6.
- Khalifa, M. and Ning Shen, K. (2008), "Explaining the adoption of transactional B2C mobile commerce", *Journal of Enterprise Information Management*, Vol. 21 No. 2, pp. 110-24.
- Khosrow-Pour, M. (2008), "Web Technologies for Commerce and Services Online", Information Science Reference, IGI Global, Hershey, PA.
- Kim, K. and Prabhakar, B. (2000), "Initial trust, perceived risk, and the adoption of internet banking", Proceedings of ICIS 2000, Brisbane.
- Kniberg, H. (2002), "What makes a micropayment solution succeed?", Master's thesis, Kungliga Tekniska Hogskolan, Stockholm.
- Kousaridas, A., et al, (2008). "An open financial services architecture based on the use of intelligent mobile devices". Electronic Commerce Research and Applications, 7, 232-246.
- Kuisma, T., et al (2007). "Mapping the reasons for resistance to Internet banking: a means-end approach", *International Journal of Information Management*, 27(2), 75-85.
- Kurnia, S. and Benjamin, L. (2007), "Exploring the reasons for a failure of electronic payment systems a case study of an Australian company", Journal of Research and Practice in Information Technology, Vol. 39 No. 4, pp. 34-67.
- Lai, V.S. and Li, H. (2005). "Technology acceptance model for internet banking: an invariance analysis", Information & Management, 42 (5), 373-386.
- Lam, N.W.W. and Dale, B.G. (1999), "Customer complaints handling system: key issues and concerns", Total Quality Management, Vol. 10 No. 6, pp. 843-51.
- Linck, K., et al., (2006). "Security issues in mobile payment from the customer viewpoint". In Proceedings of the 14th European Conference on Information Systems (ECIS 2006), Goteborg, Schweden, 1–11.
- MacInnes, I. (2005), "Causes of disputes in online auctions", Electronic Markets, Vol. 15 No. 2, pp. 146-57.
- Mehta, R. and Sivadas, E. (1995), "Comparing response rates and response content in e-mail versus electronic mail surveys", *Journal of the Market Research Society*, Vol. 37 No. 4, pp. 429-39.
- Nunnally, J. (1967)." Psychometric theory", New York: McGraw-Hill
- Panurach, P. (1996), "Money in electronic commerce: digital cash, electronic fund transfer and e-cash", Communications of the ACM, Vol. 39 No. 6, pp. 45-50.
- Pavlou, P. A., and Gefen, D.(2005) "Psychological contract violation in online marketplaces: antecedents, consequences, and moderating roles". Information Systems Research, 16, 4, 372-399
- Pavlou, P.A., and Gefen, D.(2004)" Building effective online marketplaces with institution based trust", InformationSystems Research, 15, 1, 37–59.
- Peha, J. M., et al, (2004), "a secure efficient internet payment system". Electronic Commerce Research and Applications, 3, 381–388.

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- Richens, M.L. (1987), "A multivariate analysis of responses to dissatisfaction", Journal of the Academy of Marketing Science, Vol. 15 No. 3, pp. 24-31.
- Riggins, F.J. and Rhee, H. (1998), "Towards a unified view of electronic commerce", available at: http://riggins-mgt.iac.gatech. edu/papers/unified.html
- Rogers, E.M. (2003). "Diffusion of Innovations" (5th Ed.), Free Press, New York.
- Saxby, C.L., et al. (2000), "Measuring consumer perceptions of procedural justice in a complaint context", Journal of Consumer Affairs, Vol. 34 No. 2, pp. 204-16.
- Singh, J. and Widing, R.E. (1990), "What occurs once consumers complain? A theoretical model for understanding satisfaction/dissatisfaction outcomes of complaint responses". European Journal of Marketing, Vol. 25 No. 5, pp. 30-46.
- Stephens, N. and Gwinner, K.P. (1998), "Why don't some people complain? A cognitive-emotive Human Systems Management, 20, 131-138.
- Stroborn, K., et al, (2004)." Internet payments in Germany:a classificatory framework and empirical evidence". *Journal of Business Research*, 57, 1431–1437.
- Truong, D. and Jitpaiboon, T. (2008), "How IT purchasing preparedness facilitates e-marketplace usage".

 Journal of Enterprise Information Management, Vol. 21 No. 2, pp. 198-218.
- Tsiakis, T. and Sthephanides, G. (2005), "The concept of security and trust in electronic payments", Computers & Security, Vol. 24 No. 1, pp. 10-15.
- Tsiakis, T., Sthephanides, G, (2005) "The concept of security and trust in electronic payments". Computers and Security, 24, 10-15.
- Weir, C. S., et al, (2006). "On the role of metaphor and language in design of third party payments in e-Banking: usability and quality". *International Journal of Human-Computer Studies*, 64, 8, 70-784
- Whiteley, D. (2000), "E-Commerce: Strategy, Technologies and Applications", International, London, pp. 23-45.30-
- Xiaorui Hu, et al, (2010), "The effects of Web assurance seals on consumers' initial trust in an online vendor: A functional perspective", Decision Support Systems, 48, 407–418.