[5]

[6]

[7]



Books Conferences News About Us Home Journals Jobs Home > Journal > Business & Economics > IB Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues IB> Vol.3 No.2, June 2011 • Special Issues Guideline OPEN ACCESS **IB** Subscription Development of Embedded Personal Health CareRecord System PDF (Size: 884KB) PP. 178-183 DOI: 10.4236/ib.2011.32024 Most popular papers in IB Author(s) About IB News Ruba Alawneh, Aism El Sheikh, Raid Kanaan **ABSTRACT** Frequently Asked Questions Various systems, methods and techniques are in use by patients and medical centers to provide the necessary information and to serve medical profession including hospital information systems. One of the Recommend to Peers most important services is Personal Health care Record (PHR) portability and management. This problem has become out of history of paper records kept separately by physicians, clinics, hospitals, pharmacies, Recommend to Library insurance companies and patients themselves. Many approaches were implemented to improve and manage the PHR including portability solution. These approaches were based on implementing portable Contact Us memory device such as flash memory and Smart Cards. In this work an embedded PHR system was developed. The developed system allows operating and managing PHR by the help of standalone system. **KEYWORDS** Downloads: 165,756 Personal Health Care Record (PHR), Microcontroller Unit, Electronic Health Record (EHR), Health Care Information System, Patient System Operation, Clinical System Operation, Pharmacy System Operation, Visits: 324,130 Pharmacy Web Service Sponsors, Associates, and Cite this paper Links >> R. Alawneh, A. Sheikh and R. Kanaan, "Development of Embedded Personal Health CareRecord System," iBusiness, Vol. 3 No. 2, 2011, pp. 178-183. doi: 10.4236/ib.2011.32024. International Conference on References Management and Service Science R. Shetty, "Portable Digital Personal Health Record: To Bridge the Digital Gap in Medical Information [1] (MASS 2013) Storage of Individuals with Personal Health Records in Flash Drives," The Internet Journal of Health, The 4th Conference on Web Based Vol. 5, No. 2, 2007. Business Management (WBM 2013) [2] L. Moreno, S. Peterson, A. Bagchi and R. af Ursin, "Personal Health Records: What Do Underserved Consumers Want?" Mathematica policy research, No. 4, May 2007. [3] USA Patent, "Method and Apparatus for Accessing a Portable Personal Database as for a hospital Environment," Patent Number: 5291399, 27 July 1990. R. Agarwal and C. M. Angst, "Technology-Enabled Transformations in U. S. Health Care: Early [4] Findings on Personal Health Records and Individual Use", In: G. Galletta and P. Zhang Eds., Human-Computer Interaction and Management Information Systems: Applications, M.E. Sharpe, Inc., NewYork, Vol. 5, 2006, pp. 357-378.

[8] A. Hassol, J. M. Walker, D. Kidder, K. Rokita, D. Young, S. Pierdon, D. Deitz, S. Kuck and E. Ortiz,

Informing Consumers and Improving Health Care," Springer, New York, 2005.

No. 11, 1 November 2006; pp. 2955-2959. doi:10.1093/humrep/del214

8, 2008, pp. 45-72. doi:10.1186/1472-6947-8-45.

D. Lewis, G. Eysenbach, R. Kukafka, P. Z. Stavri and H. Jimison, "Consumer Health Informatics:

W. S. Tuil, A. J. ten Hoopen, D. D. M. Braat, P. F. de Vries Robbe and J. A. M. Kremer, "Patient-Centred Care: Using Online Personal Medical Records in IVF Practice," Human Reproduction, Vol. 21,

D. E. Detmer and M. Bloomrosen, B. Raymond and P. Tang, "Integrated Personal Health Records, Transformative Tools for Consumer-Centric Care," BMC Medical Informatics and Decision Making, Vol.

- " Patient Experiences and Attitudes about Access to a Patient Electronic Health Care Record and Linked Web Messaging," Journal of the American Medical Informatics Association, Vol. 11, No. 6, 2004, pp. 505-513. doi:10.1197/jamia.M1593
- [9] C. Cronin, "Personal Health Records: An Overview of What Is Available To the public," American Association of Retired Persons, 2006. http://www.aarp.org/research/health/carequality/2006\_11\_phr.html
- [10] M. I. Kim, K. B. Johnson, "Personal Health Records: Evaluation of Functionality and Utility," Journal of the American Medical Informatics Association, Vol. 9, No. 2, 2002, pp. 171-80. doi:10.1197/jamia.M0978
- [11] P. C. Tang and D. Lansky, "The Missing Link: Bridging the Patient-Provider Health Information Gap," Health Affairs, Vol. 24, No. 5, 2005, pp. 1290-1295. doi:10.1377/hlthaff.24.5.1290
- [12] Institute of Medicine, " The Computer-Based Patient Record," National Academy Press, Washington, D.C., 1991.
- [13] P. Szolovits, "A Revolution in Electronic Medical Record Systems Via the World Wide Web," International Conference on the Use of Internet and WWW for Telematics in Healthcare, Geneva, 6-8 September 1995.
- [14] J. Ganssle, "The Art of Designing Embedded Systems," Elsevier, Linacre House, Oxford, 2008.
- [15] D. Budgen, M. Rigby, P. Brereton and M. Turner, " A Data Integration Broker for Healthcare Systems," IEEE Computer, Vol. 40, No. 4, 2007, pp. 34-41.

Home | About SCIRP | Sitemap | Contact Us

Copyright © 2006-2013 Scientific Research Publishing Inc. All rights reserved.