

Full Text from Publisher

Find PDF

Export...

Add to Marked List

1 of 1

Towards improving information quality requirements for online health information systems: A review on the recent frameworks

By: Ighe, MA (Ighe, Mohamed Aden)^[1]; Mohammed, SAB (Mohammed, Siti Asma Binti)^[1]

PROCEEDINGS 2018 INTERNATIONAL CONFERENCE ON INFORMATION AND COMMUNICATION TECHNOLOGY FOR THE MUSLIM WORLD (ICT4M)

Book Group Author(s): IEEE

Book Series: International Conference on Information and Communication Technology for the Muslim World

Pages: 138-143

DOI: 10.1109/ICT4M.2018.00034

Published: 2018

Document Type: Proceedings Paper

Conference

Conference: International Conference on Information and Communication Technology for the Muslim World (ICT4M)

Location: Kuala Lumpur, MALAYSIA

Date: JUL 23-25, 2018

Abstract

The recent demand of accessing online health information has increased sharply due to the mass production of information and their value strongly depends on the quality of information that is inside the content of the system. However, many of the online health information portals provide poor information quality for its users, and the main reason is that the information quality requirements weren't included at the earliest stages of the system development process. The objective of this research is to provide a literature review on frameworks that improves the implementation of information quality requirements. At least several recent papers were searched from various sources, between 2012 to 2017. The findings show that all frameworks include the information quality requirements during the earliest phases of the system development process through various methods, so mistakes are avoided during the ongoing stages of the process. The research gives a clear understanding for practitioners and administrators about the gaps in their content that should overcome and put into consideration.

Keywords

Author Keywords: review; frameworks; health information; information quality; information systems; e-health

Author Information

Reprint Address: Ighe, MA (reprint author)

+ Int Islamic Univ Malaysia, Kulliyah Informat & Commun Technol, Dept Comp Sci, Kuala Lumpur, Malaysia.

Addresses:

+ [1] Int Islamic Univ Malaysia, Kulliyah Informat & Commun Technol, Dept Comp Sci, Kuala Lumpur, Malaysia

E-mail Addresses: m.ighe@hotmail.com; siti_asma@iiu.edu.my

Publisher

IEEE, 345 E 47TH ST, NEW YORK, NY 10017 USA

Categories / Classification

Research Areas: Computer Science; Telecommunications

Web of Science Categories: Computer Science, Interdisciplinary Applications; Telecommunications

[See more data fields](#)

Citation Network

In Web of Science Core Collection

0

Times Cited

[Create Citation Alert](#)

25

Cited References

[View Related Records](#)

Use in Web of Science

Web of Science Usage Count

1

Last 180 Days

1

Since 2013

[Learn more](#)

This record is from:

Web of Science Core Collection

- Conference Proceedings Citation Index-Science

[Suggest a correction](#)

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Cited References: 25

1 of 1

Showing 25 of 25 [View All in Cited References page](#)

(from Web of Science Core Collection)

1. [Review: Knowledge management and knowledge management systems: Conceptual foundations and research issues](#) Times Cited: **3,334**
 By: Alavi, M; Leidner, DE
 MIS QUARTERLY Volume: 25 Issue: 1 Pages: 107-136 Published: MAR 2001
2. [Toward A Framework For Data Quality In Cloud-Based Health Information System](#) Times Cited: **7**
 By: Almutiry, Omar; Wills, Gary; Alwabel, Abdulelah; et al.
 INTERNATIONAL CONFERENCE ON INFORMATION SOCIETY (I-SOCIETY 2013) Pages: 153-157 Published: 2013
3. [A Metrics-Driven Approach for Quality Assessment of Linked Open Data](#) Times Cited: **20**
 By: Behkamal, Behshid; Kahani, Mohsen; Bagheri, Ebrahim; et al.
 JOURNAL OF THEORETICAL AND APPLIED ELECTRONIC COMMERCE RESEARCH Volume: 9 Issue: 2 Special Issue: SI Pages: 64-79 Published: MAY 2014
4. [Content and Quality of Information Websites About Congenital Heart Defects Following a Prenatal Diagnosis](#) Times Cited: **15**
 By: Carlsson, Tommy; Bergman, Gunnar; Karlsson, Anna-Malin; et al.
 INTERACTIVE JOURNAL OF MEDICAL RESEARCH Volume: 4 Issue: 1 Pages: 66-76 Article Number: UNSP e4 Published: JAN-MAR 2015
5. [METRICS FOR REQUIREMENTS ENGINEERING](#) Times Cited: **53**
 By: COSTELLO, RJ; LIU, DB
 JOURNAL OF SYSTEMS AND SOFTWARE Volume: 29 Issue: 1 Pages: 39-63 Published: APR 1995
6. [Awareness in the wild: Why communication breakdowns occur](#) Times Cited: **54**
 By: Damian, Daniela; Izquierdo, Luis; Singer, Janice; et al.
 SECOND IEEE INTERNATIONAL CONFERENCE ON GLOBAL SOFTWARE ENGINEERING, PROCEEDINGS Pages: 81-90 Published: 2007
7. [Modeling and analyzing information quality requirements for socio-technical systems: Experience report](#) Times Cited: **1**
 By: Gharib , M.; Giorgini , P.
 CEUR WORKSHOP P Volume: 1374 Pages: 84-99 Published: 2015
8. [A Theory of Information Quality and its Implementation in Systems Engineering](#) Times Cited: **2**
 By: Grenn, Michael W.; Sarkani, Shahram; Mazzuchi, Thomas
 IEEE SYSTEMS JOURNAL Volume: 9 Issue: 4 Pages: 1129-1138 Published: DEC 2015
9. [DAQ_UWE: A Framework for Designing Data Quality Aware Web Applications](#) Times Cited: **1**
 By: Guerra-Garcia , C.; Caballero , I.; Berti-Equille , L.; et al.
 P 16 INT C INF QUAL Pages: 115-129 Published: 2011
[\[Show additional data\]](#)
10. [Capturing data quality requirements for web applications by means of DQ_WebRE](#) Times Cited: **9**
 By: Guerra-Garcia, Cesar; Caballero, Ismael; Piattini, Mario
 INFORMATION SYSTEMS FRONTIERS Volume: 15 Issue: 3 Pages: 433-445 Published: JUL 2013
11. [The Hidden Experts in Software-Engineering Communication \(NIER Track\)](#) Times Cited: **5**
 By: Kwan, Irwin; Damian, Daniela
 2011 33RD INTERNATIONAL CONFERENCE ON SOFTWARE ENGINEERING (ICSE) Pages: 800-803 Published: 2011
12. [A quality oriented approach towards information requirement determination in equivocal situations](#) Times Cited: **1**
 By: Mousavinejad, S. M. A.
 QUALITY ORIENTED APP Published: 2016
 Publisher: University College Cork, Ireland
13. [An effective requirement engineering process model for software development and requirements management](#) Times Cited: **15**
 By: Pandey, D.; Suman, U.; Ramani, A.K.
 Proceedings of 2010 International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2010) Pages: 287-91 Published: 2010