

Title of Article: Towards an iterative maintainability Web service model for effective mobile healthcare delivery

Author(s): Olayinka, A. O., Sanjay, M., Mikail, O. O., & Aliyu, A.

Outlet 2013 IEEE International Conference on Issues and challenges. In Emerging & Sustainable Technologies for Power & ICT in a Developing Society (NIGERCON)

Date: 2013

Abstract Web services are key component of software engineering design due to its inherent merits such as portability, testability and maintainability. It serves as a means of exchanging information over the Internet across several platforms, programs and protocols. However, Web services are problematic to measure, control, and manage. The problem of maintainability is prevalent in the software industry and does not leave out the web services. However, certain models have been proposed for software maintainability. In this paper, we propose an iterative maintainability web service process model for effective mobile health care delivery in Niger state, Nigeria. The model would further be enhanced using the open shortest path Dijkstra algorithm to locate the closest healthcare facility and validated using the Cloud Network platform. Google Cloud will be used for easier DBMS and model deployment.