Abstract

Building hospital applications based on services allows hospitals and other organizations to cooperate and make use of each other's business functions. Therefore the hospital information systems that involve extensive information exchange across hospitals and organizations boundaries, such as patient profiles, can be easily automated. Service-based applications can be constructed by linking services from various providers using either as standard programming language or a specialized workflow language. Our research is to analyse and design a web service that supports medical staffs and tools in hospitals in Bangkok. We also developed a prototype tool to facilitate the demonstration and evaluation of the approach. Two cases are created to demonstrate different situations of the web service, involving different types of documents, and patients and medical staffs. The experiments of document creation have been evaluated by considering criteria i.e. easy, correctness, and completeness. Also, the precise and recall measurements are used.