Abstract

Medical record is one of the important things in medical world that recorded medical condition of patient specifically. To ease the accessibility and to spare some spaces it becomes electronic data (electronic medical record).

This electronic medical record development will give us some challenges because it need a high scalability with a good retrieve time and a good accuracy in update. The developed data model will build with Enterprise Ontology methodology.

Developing EMR data model with Enterprise Ontology methodology will give a better performance in retrieve time compares with Methontology and SENSUS. Therefore we can make a conclusion that developing the EMR data model with this method will produce a better performance in time retrieve.

Keywords: Enterprise Ontology, EMR, Medical Record, Retrieve