**CHAPTER II  
  
CONCEPTUAL FRAMEWORK**

This chapter presents the review of related literature and review of related studies. It also includes the conceptual model of the study and the operational definition of terms.  
  
**Review of Related Literature**

**Records Management System**

According to techopedia.com, a Record Management System is the management of records for an organization throughout the records-life cycle. The activities in this management include the systematic and efficient control of the creation, maintenance, and destruction of the records along with the business transactions associated with them.

Techopedia also explains the activities involved in records management. These are identifying first the information that is needed to be captured; this follows up the information planning and enforcement of policies and practices regarding creation, maintenance, and disposal of records. Next is the classification, identification, and storing the records. The last activity mentioned is the coordination of providing internal and external access to the records without forfeiting the data privacy and business and data confidentiality of the organization.

Furthermore, ricohdocs.com explained that the records management is basically the process of creating, maintaining, using, and disposing records in an organized way. This helps achieve transparent, accountable, and efficient governance. The records should be managed following the records management program of an organization that is governed by a certain policy.  
  
 In addition to this, wikipedia.org clarifies that the ISO 15489-1: 2001 standard (“ISO 15489-1: 2001”) defines record management as “the field of management responsible for the efficient and systematic control of the creation, receipt, maintenance, use and disposition of records, including the processes for capturing and maintaining evidence of and information about business activities and transaction in the form of records.”

**Maternity Clinic**

Wikipedia.org defines the maternity clinic as a clinic that specializes in maternal care. It is responsible of caring for women during and after pregnancy. It also provides care for newborn infants, facilities for childbirth, maternity checkups, and family planning. It may also act as centers for clinical training in midwifery and obstetrics.

**Midwifery**

According to Wikipedia.org, Midwifery, as known as obstetrics, is a health science and health profession that deals with pregnancy, childbirth, newborn care, reproductive health and postpartum period.

Midwifery in the Philippines as a profession was relatively unknown until Dr. Jose Fabella founded the first school of midwifery in May 1992 – the Maternity and Children’s Hospital (now called Dr. Jose Fabella Memorial Hospital). According to the Integrated Midwives’ Association of the Philippines (IMAP, Inc.), Dr. Fabella led the midwifery to utilize in the Philippines by training the young women in midwifery to gradually supplant the unlicensed midwives. Midwifery was became a course and continuously expanding in the country. Thereafter, the midwifery profession has reached a high standard and its activities have increased in a scope. This result into recognition that a dynamic midwives association must be created to serve, train, educate, and provide health service in the country. Integrated Midwives Association of the Philippines was created through this recognition on March 17, 1976.

**Inventory Management**  
 Inventory Management is the practice of supervising and controlling the non-capitalized assets and stock items in an organization. Inventory Management supervises the flow of the assets from manufacturers to warehouses and to the point of sales. Inventory Management’s main function is to keep records of the flow of the organization’s assets.

In addition, an article in investopedia.com discussed the inventory management as the practice overseeing and controlling of the ordering, storage, and use of components that a company uses in the production of the item it sells. It is also the practice of overseeing and controlling of quantities of finished products for sale.

**WAMP**

WAMP is an acronym for Windows, Apache, MySQL, and PHP. According to their website, wampserver.com, WAMPServer is a Windows web development environment. It allows the user to create web application with Apache2, PHP, and MySQL database. PhpMyAdmin is also included to manage the database easily.

**Windows Operating System** An article written by The Editors of Encyclopedia Britannica in britannica.com discussed the Windows OS. Windows was created by Microsoft Corporation to run on Personal Computers (PC). It features the first Graphical User Interface (GUI) for IBM-compatible PCs. Through the years since 1985, Microsoft’s Windows dominated in the market and approximately 90 percent of PCs run a version of Windows. Up until today, Windows expands its product creating more possibilities and innovation to its customers.

**Apache HTTP Server**

Apache HTTP Server is free and open-source cross-platform web server software. According to their website, httpd.apache.org, Apache HTTP Server Project aimed at creating a robust, commercial-grade, full of feature, and freely-available source code implementation of an HTTP (Web) Server.

**PHP**  
 An article in Wikipedia.org about scripting language discusses about PHP. PHP is a server-side scripting language that is designed primarily for web development; PHP also extends its usability in general-purpose programming language. It is originally created by Rasmus Lerdorf in 1994 and it stands for the recursive acronym for PHP: Hypertext Preprocessor. An addition from the article, a PHP code may be embedded into HTML or HTML5 markup, web frameworks, web content management systems, and web template systems.

**MySQL**

MySQL is an open-source relational database management system. It is created by a Swedish company named MySQL AB and founded by David Axmark, Allan Larsson and Michael “Monty” Widenius. MySQL’s name is a combination from Michael Widenius’ daughter “My”, and the abbreviation for Structured Query Language, “SQL”. MySQL’s first internal release was on May 23, 1995 and a Windows version was released on January 8, 1998. Continuous versions were released every year and in 2008, Sun Microsystems acquired MySQL AB. Shortly after 2 years, Oracle Corporation acquired Sun Microsystems in January 27, 2010.

**Conceptual Model of the Study**

On the basis of the foregoing concepts, theories and findings or related literature, studies presented and insights taken from them, the conceptual model of the study was developed as shown below.

OUTPUT

Web-based Maternity Clinic Management System for Jewel’s First Maternity Clinic

PROCESS

System Design

System Development

System Testing and Improvement

INPUT

Knowledge Requirements

* Maternity Clinic
* Record Management System
* Inventory System
* Billing System
* Database
* Dataflow Diagram
* Entity Relationship Diagram
* ISO 9126
* PHP
* HTML
* CSS

Software Requirements

* WAMP
* Photoshop
* Sublime Text 3

Hardware Requirements

* Computer Unit
  + 2GB RAM
  + 500GB Hard Disk
  + Intel® Atom ™CPU N2600

EVALUATION