

# **Computing for Human Services**

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**Shihab Ahmed Hameed**

*Electrical and Computer Engineering-IIUM University*

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## Chapter 23

### Developing EPMR to Serve Effective Patient Monitoring Database

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#### 23.1. Introduction

This chapter is an implementation part for the design that we discuss it in the previous chapter. This prototype implemented on testing data and we get sample of the results. To evaluate results we do a survey and analyze its obtained reply.

#### 23.2. Results and Analysis

A prototype of the suggested system has been build and some of the above mentioned features have been implemented. The user interface consists of four main modules, namely: home, patient, staff and ward. A graphical representation of the client architecture design is shown in the Figure 1.

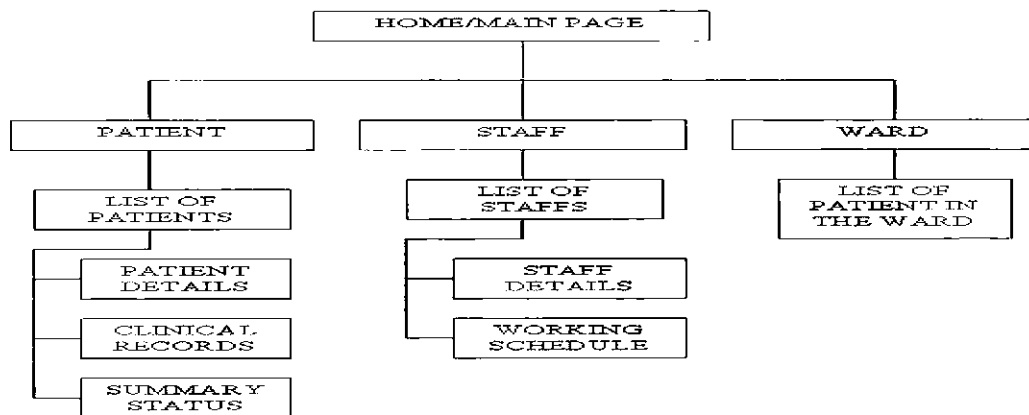


Figure 1: Client application architecture

Client consists of four main sections, home or index section, patient section, staff section and ward section. From the home page, staff or nurse can choose to go either to patient, staff of ward by click on the picture or link at this page. When staff or nurse choose patient, list of all patient will display. From this page, they can search patient, add new patient or delete the patient. They also can go to other page for example to staff and ward page, and also to clinical records and summary of the patient. If staff or nurse click on clinical records, they can choose several options for example past medical history, chief complaints, personal history and habits, prescription and others according to Figure 2.