

System Design: Case Study

Overview

An urban health center has decided to automate the administration of doctor, patient and appointment records. The centre employs several doctors, and patients at the health center are registered with a specific doctor. Patients contact the health center receptionist to make appointments to see their doctor. The manager at the health center has indicated that the automated system should allow for increases in both doctor and patient numbers.

You have been appointed systems analyst for the new administration system. Your first task is to perform requirements analysis for the proposed system.

- What stakeholders will you need to consult with while performing requirements analysis?
- For each stakeholder, what requirements do you expect will be required?
- Can you or the stakeholder identify any requirements which have been overlooked?
- Examine the requirements and categorise each as either essential or non-essential?
- Represent the requirements (functional components) of the system on a simple hierarchy chart