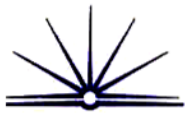
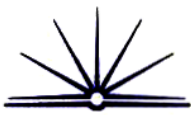


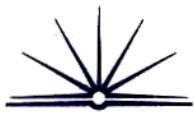
22a) The doctor's ease of editing the database: records can be updated, deleted or created with minimal effort & great flexibility in accessing the data for editing purposes. A disadvantage of the computerised system, is susceptibility to computer malfunction. This includes viruses, malicious users or natural disasters resulting in data loss. Other medical centers with paper based systems are ~~immune~~ immune to events such as fire or power surges.



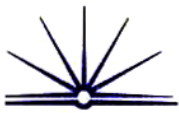
22b) For the doctors to be able to access X-rays, ultrasounds and other images of high quality, firstly the graphical capability of each node must be adequate, with high resolution and high colour depth, ~~capable~~ capable monitors & video cards. The network must be adapted to allow for the online access to information on the Internet via a router & high speed connection. High quality images take up relatively large amounts of space, so it would be unwise to store them locally on each node.



Therefore, a dedicated ^{high-end} file server should be used with ~~with~~ a large capacity hard drive for storage & net cache. For retrieval, not over the Internet - the existing network should be upgraded to allow immediate transmission of large image files - this would require 100 base T cables, cards & network hardware, to avoid congestion & slow speeds.



22c) There are two reasons why the full details of each client are not made available to the receptionist. Firstly, the receptionist deals with many clients simultaneously, and a more succinct view of important fields only means more scheduled appointments can be viewed at once, opposed to the doctor who only deals with patients on a case-by-case level. Secondly, and more important is the issue of privacy. The receptionist does not need the client's medical information in order to perform her job - and



since it is highly personal information it would potentially be a breach of privacy/trust.
~~add new~~ In a final note, the different roles of the jobs are evidenced by the centosth "Add new record" for the doctor who is concerned with patients, and "Add new appointment" for the receptionist who is only concerned with appointments.