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COMPUTER RESOURCE MANAGEMENT

ABSTRACT

Computer Resource Management System (CRMS) is a total management and informative system, which provides the up-to date information of all the computer resources in the company. **CRMS** helps the company to overcome it's difficulty in tracking the resources of the company by presenting the customized reports, which helps in effective and timely utilization of the hardware and the software resources.

CRMS is a Window-based application using the two-tire architecture. The ability to handle the multi-user environment and the maintaining the highest security for the access are some of the features of this application.

CRMS uses SQL Server as the back end for the database and uses all its features offered in the window based technology for its transactions.

Modules:

The **computer resource management system** mainly consists the following :

1. Components
2. Computers
3. Bin
4. Recycle Bin
5. Status
6. Search / View

1. Components :

Whatever the component that is either software or hardware will be assigned a unique number and entered into the shelf. Whatever goes out will be deducted from the shelf and must be entered either to bin, recycle bin or to a computer. For every component appropriate entry should be made.

2. Computers :

Computers will be assembled using the shelf parts. Every computer should be given a unique number. The details of the computer will be entered including its hardware and software profiles with their parts. The computers may be servers, standalone's and clients etc.

3. Bin :

The damaged components, which are not repairable or replaceable, will be sent to this bin.

4. Recycle Bin :

The repairable and replaceable parts will be kept here. A time report is given like when a part is submitted for repairs or replacement and expected back time and able to give warnings of delays etc.

5. Status :

The status gives the statistics of the shelf, bin, recycle bin, computers. The status gives the present position of the component where it is situated in the organization.   Basing on the status the components are used in different transactions.

6. Search / View :

The users can search or view the information of different resources based on their unique number given to them.

FRONTEND: vb.net.
BACKEND: MY-sql.