General constraints:

The general constraints of this system lies in that it is such a rigid system that is designed based on a waterfall model that does not support evolution and hence does not support adaptability, Moreover, Security is not implemented in this system and so it is not fortified against any malware attacks which would lead to the loss of all the data on the system.

List of Definitions:

1)Functional Requirements: Are the required capabilities of the software by the client that it should be able to perform.

2)Non-Functional requirements: Are the required capabilities for the software to run smoothly, be reliable and others (or in other words, not requested by the client specifically but must be present in a software system) i.e. Hardware, Code implementation, Local and Global Standards, etc.

3)Class Model: Is a model that works on connecting between the different classes(Modules) in a graphical way to represent the hierarchy of the system and to show the functionalities of each class in specific.

4)Use-Case Diagram: A diagram that represents how the process flow of the different system modules work hand in hand.

5)Narrative Descriptions: Are descriptions of the different modules of the system and how to make them function.

6)COCOMO-II: COnstructive COst **MOdel II** (**COCOMO**® **II**) is a **model** that allows one to estimate the cost, effort, and schedule when planning a new software development activity

Environment Description:

Our System is designed so that it can be operated on lowly-efficient computers with any operating system either it’s a new or an old version, also the software will be utilizing the hard drives or database servers, whichever is available, so it’s a must to have any kind of hardware dedicated for storage in order for the system to function.