Exercise 3

3.1 Cooperative Document Management Systems

Design a cooperative document management system in healthcare for one ward as it has been introduced in the lecture:

1. What kind of processes have to be documented?
2. Are there existing documents which have to be transferred into the new document management system?
3. Which types of documents have to be considered (e.g. text, pictures, etc.; elementary, compound, container)
4. Which stakeholders are involved in the document management system?
5. What kind of functionality needs to be offered by the system?
6. Which class(es) of document management system(s) is/are required for this application?
7. Describe the technical architecture which is required to implement such a system.

3.2 Scenario for Cooperative Document Management in Healthcare

Discuss the operation of the cooperative document management system based on the following scenario:

Dr. George Friend uses the CDMS to request Brigid May-Ringer to arrange for a blood sample to be taken and sent to the lab regarding levels of anticoagulant within the next two days. Brigid May-Ringer indicates that she does not understand what anticoagulant means and asks the CDMS for clarification and receives it. Brigid then agrees to do as requested. Brigid asks Maria Mitchum to take the patient’s blood within the next two days. Maria agrees and takes a blood sample the next day. Brigid asks Megan Lilley to send the blood sample to the lab which she does the same day the sample has been taken.

3.3 Extension to Larger Organisational Context

If the CDMS is used within the larger organisation context of a hospital, which additional characteristics and issues need to be considered and added?