IS 436 Structured Systems Analysis and Design
Deliverable 3 – "Process Modeling" (D3)

Overview

Now that you have developed your use cases, you can go into more detail in your requirements analysis and create logical process models (also known as logical Data Flow Diagrams – DFDs). You will also revisit your requirements definition and use-case diagrams and change them according to what was learned in creating the data flow diagrams.

Details

1) Develop process models using Visio, Lucid Charts (or any other drawing tool you are familiar with). The process models will include the context and level diagrams. After drawing your Level 0 diagram, detail each process in your level 0 diagram as much as possible. Therefore, you can go until level-n for each process at level 0, where n is the level at which all aspects of the business process are explained precisely. Please closely follow the notation given in PowerPoint. Your DFDs should be readable from top-left to bottom-right and should avoid crossing lines as much as possible. Make sure that the DFDs that you produce are decomposed in a meaningful way and use the principles of balancing. Do not violate the rules of data flow diagramming.

2) Revisit your Deliverable 2. Change the requirements definition and use cases that you prepared according to what you have learned by going into more detail in DFD design.

3) Provide a simple text definition for each **process, entity, datastore** and each **data flow** in your diagram. Pay attention to the data flow names – each should be unique if they are carrying unique data.

4) Include your updated **project plan**.

5) Create a **Kanban board** and assign the requirements to your team members.

Your report should include a cover page that clearly shows the group name, student names, class name and code, deliverable name, and the date. All pages should be numbered. The editors should ensure the overall consistency and completeness, and correct any spelling and grammar error.