

Assignment 2

1. Study about Software Design tool

1. Data Flow Diagram (DFD)

Data Flow diagrams can be used to represent flow of data in process or system. DFD contains entities that contain information data. Entities can be used together with arrows that represent data flow. Inputs and output of entities can be represented with these data flow arrows.

Data Flow diagram can be used to represent the system in different levels. Level 0 depicts the whole system in one diagram and lower levels depict the system more specifically.

2. Structure charts

Structure charts are used to structure systems module into a tree. Entities are presented as boxes and relation of entities are represented in the tree structure. In the structure data flowing between entities are represented with lines and next to lines information that passes between lines is specified. Structure chart represent complexity and size of the system, functions and entities in each of the functions. Functions can also be broken down to even smaller components if needed.

3. Hierarchical Input Process Output Diagram (HIPO)

HIPO diagram can be used to present the hierarchy of modules inside the system. HIPO diagrams are similar to structure chart but don't show so much additional detail. HIPO diagram can be used to get a high-level view of the system and how it functions. HIPO diagrams depicts system functions and how they are performed.

2. High-level design of JAMK library project

