**2803ICT – Assignment 1**

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## Problem Statement

(In this section you write a few sentences about what needed to be done for the assigment)

## User Requirements

(In this section you detail how a user is supposed to interact with or use your program code)

## Software Requirements

(In this section you spell out what the requirements were, taken from the assigment handout)

## Software Design

## High Level Design – Logical Block Diagram

(In this section draw a little block diagram of how your program works)

## Software Functions

For each function in the list the following information is provided:

1. a brief description of what it does (1 or 2 sentences);
2. a list of the input parameters, and their data types, and what they are used for;
3. a list of any side effects caused by the function (ie change global or member variables, changes data passed by reference from calling function etc)
4. a description of the function’s return value

## Data Structures

For each data structure in the list the following information is provided:

1. Type of structure (tree, list etc),
2. Description of where and how it is used
3. List of data members, and what each one is for do
4. List of functions that use it

## Detailed Design

– Pseudocode for all non-standard and non-trivial algorithms that operate on datastructures