SE2224 – Software System Analysis

Spring, 2022-2023

Assignment-1

1. Consider that you received the following list of requirements for a sales system. For each requirement below, write of which of them are functional and which of them are nonfunctional.

   The system should…

   A. be accessible to Web users.
   B. include actual and budgeted cost information.
   C. provide management reports.
   D. include sales information that is updated at least daily.
   E. provide monthly rankings of salesperson performance.
   F. restrict access to profitability information.

2. For the requirements below, write which of them are functional and which of them are nonfunctional. For nonfunctional requirements, write what kind of nonfunctional requirements they are. Consider that the requirement in choice B is for a bank application.

   A. Every page of the system should be visible to the users within 5 seconds.
   B. When customer selects "View Balance" they must be able to look at their latest account balance.
   C. Authentication of user whenever he/she logs into the system.
   D. Emails should be sent with a latency of no greater than 12 hours from such an activity.
   E. System must handle 100 transactions per second.

3. Consider a Digital Music Download system which creates the capability of selling digital music downloads to customers. For this example system, write three functional and three nonfunctional requirements that would be suitable.