Software Structured Design & Architecture

Assignment 1

(10 Points)

You are responsible to complete an individual task related to software quality attributes. Each student has to independently complete the task described below and compile his/her report.

DEADLINE: 11:59pm on (Tuesday) December 27, 2016

Task: Quality Attribute Scenarios (10 points)
Choose FIVE from the eighteen quality attributes that are listed but not addressed in detail in the lectures, i.e. *adaptability, configurability, flexibility, reliability, responsiveness, recoverability, stability, extensibility, modularity, portability, reusability, scalability, auditability, maintainability, manageability, sustainability, supportability,* and *safety*, and identify them as internal or external quality attributes with your reasons. Apply scenario-based analysis method to create their general scenario and one typical concrete scenario (using six-element analysis) respectively based on your research and understanding. Your concrete scenario description must contain at least THREE response measures. Present the general scenario in the format of six-element table and the concrete scenario in the stimulus-response diagram.

(2 points per attribute)

Assignment Deliverable:
The assignment deliverables should be submitted individually. Each deliverable contains about no more than 6 pages (A4 size) including a cover page.