School of Science, Computing and Engineering Technologies
Swinburne University of Technology
SWE30003 Software Architectures and Design
Tutorial Week 4
(Software Quality Attributes)

Hotel Information System

1. Given the context of the hotel information system as discussed in Lecture 2 and Tutorial Week 3,
    a. What are the quality requirements relevant to the *Check-In* and *Check-Out* tasks?
    b. What quality requirements are similar and what not, between these two tasks?
    c. Please specify each of these requirements, in a precise and verifiable manner.

2. In general, considering all working areas, what would be the top 3 to 5 quality attributes applicable to the Hotel Information System?

Further General Discussion Points

3. What are the general software quality attributes? Describe each of the software quality attributes.

4. What are some forms of scalability? How do they work?

5. What is Throughput? Compare and contrast average and peek throughput.

6. How does the quality attribute of security affect availability in terms of the authentication and the authorization process?

7. Software qualities can be categorised into two (2) broad categories: external and internal. Please explain both, including an example.

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8. Any questions from weekly submissions?