

Enterprise-Scale Software Development (COMP5348)

Semester 1, 2009

Tutorial Week 1

Part 0: Get to know people in your lab, including the tutor.

Part A: Install Duke's Bank in Sun's Java System Application Server 9.1. This is an example application, found in Sun's Java EE 5 documentation at

<http://java.sun.com/javaee/5/docs/tutorial/doc/index.html>

A general explanation of the example is at

<http://java.sun.com/javaee/5/docs/tutorial/doc/bncma.html>

The unit web site has pointers to detailed instructions for doing this in SIT labs, if you need them.

Part B: Discussion

1. Duke's Bank is described as an example of an n-tier architecture, with separation of a thin client mainly concerned with presentation, a layer of business logic (here operating within the Sun Application Server), and a persistent storage managed by a DBMS. On the other hand, the code is running entirely on one small PC. Is this a contradiction? Discuss this situation using the approach of Krutchen's 4+1 Views.
2. For a real-world banking system, provide concrete examples of non-functional requirements, and classify them using the "ilities" mentioned in lecture. For example, you should give a specific availability requirement.