Designing Object Oriented Software

Examination

June 20, 2006

Write down your name, your student number (at University of Turku), and the examination date to each paper. You can answer in English or in Finnish.

1. Package design can be affected by political factors, dependencies between the packages, and package responsibilities. How do the package design principles reflect these three forces?   (10 points)

2. Compare TEMPLATE METHOD and DECORATOR design patterns. What factors can affect when selecting which one to use?   (10 points)

3. Explain how iterative software development works. How do the design smells (i.e. the seven symptoms of poor design) affect the length of iteration cycle?   (10 points)