

Designing Object Oriented Software

Examination

May 15, 2006

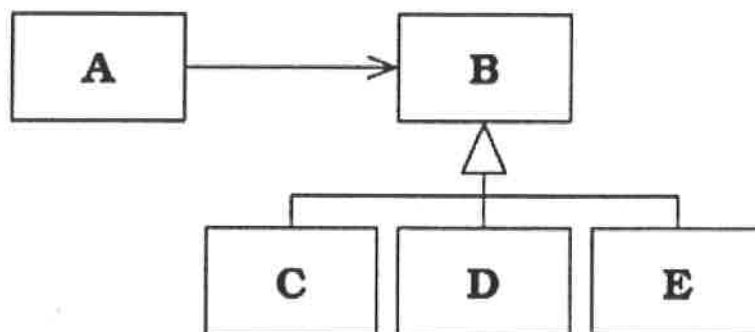
Tentissä saa käyttää kirjaa

Robert C. Martin, *Agile Software Development: Principles, Patterns, and Practices*, Prentice-Hall, 2003, ISBN: 0-13-597444-5.

can be used in the examination.

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. How do the Single-Responsibility Principle and Open-Closed Principle manifest themselves in the class design and in the package design? (10 points)
2. Compare BRIDGE, STATE and STRATEGY design patterns. They all have the same class diagram structure:



What makes them different from one another? (10 points)

3. What is the motivation behind test-driven software development? How does it support the communication between the software developer and the software customer? (10 points)