

- c Why is visibility important?
- d What do we use packages for?
- e What do we mean when we say there is a dependency between two packages?
- f What is a layered architecture? What would you expect the layers to be in a four-layered architecture, and in what order would you expect them to be?
- g What do component diagrams model?
- h What do deployment diagrams model?
- i List six guidelines that a developer should bear in mind when designing the user interface.
- j What is JDBC used for?
- k How is data stored in a relational database?
- l What is a design pattern?
- m Name the three pattern categories.
- n Give an example of each pattern category.

Exercises

- 9.1 We have grouped classes into a Stock package and an Ordering package as follows:

<i>Stock package</i>	<i>Ordering package</i>
Product	Customer
Supplier	Order
	OrderLine

Each :Product knows its price. Each :OrderLine has a numberOfItems attribute and is linked to a :Product. Each :OrderLine must work out its line cost by asking for the price from the appropriate :Product and multiplying this by the numberOfItems. What is the dependency between the two packages?

- 9.2 When a customer returns a bike to Wheels, Annie has to find the details of the relevant hire transaction. Design a screen that displays the customer name, bike number, bike