

Tutorial 06: Domain Model Class Diagram

Given the below scenario of Pergola Man, complete the following tasks:

1. Identify the objects.
2. Identify the relationship between objects.
3. Draw the domain model class diagram

The Pergola Man operates in the northern suburbs of Perth, building pergolas and gazebos for private customers. When a customer approaches him, he visits their house, takes measurements and then discusses possible pergolas or gazebos which might interest the customer. As a result of this discussion, the Pergola Man sends the customer a detailed quotation (see below). The customer may or may not accept the quotation. In due course the customer is sent an invoice for the work done. The Pergola Man allows part-payments over six months in order to encourage more business.

The Pergola Man is considering creating a website as a means of attracting new customers. He anticipates the website will allow customers to browse examples of his work, browse company details including likely prices and timescales, email him with a request for a visit and permit (part-)payment of invoices.

Quotation

The Pergola Man

Customer-no: 1234
Customer-name: A Punter
Customer-address: 100 Wanneroo Road

Quotation-no: 1

Construction-type: "P"
Construction-description: Pergola

Materials:

Mat-no	Description	No-off	Unit-cost	Cost
WP-2000	Wooden Post 2m x 200cm x 20cm	8	40	320
JT-3000	Wooden Joist 3m x 20cm x 20cm	6	50	300
PS-3000	Plastic Sheeting 3m x 1m	8	25	200
MT-STD	Mountings	10	5	80

			sub total	900

Labour:

No-hours	Rate		
40	20		800

		total	1700

