Exercise 5.2

Object	Category
doctor, nurse, patient	People
appointment	Conceptual
prescription	Conceptual
medication	Physical
video	Physical
video copy	Physical
customer	People
hire	Conceptual
car, barrier, car sensor, ID card	Physical
school	Organization
equipment item	Physical
supplier	People or Organization

Exercise 5.3

Part a

Mr Major, the town's only dentist, has a computer system to help him keep track of patients' appointments and dental treatment. Mr Major's receptionist makes appointments with patients either when they phone up or when they are back in the waiting room after treatment. Sometimes patients phone to cancel appointments or to change them. Mr Major keeps notes on the system about his patients' treatments – these are updated each time he sees a patient. The receptionist also makes out bills for patients and records payments on the system.

See Table E.4 for a list of rejected candidate objects in the dentist's system and the reasons for rejection

Objects retained as possible classes: patient, appointment, dental treatment, payment.

Part b

Your local railway station is going to install automatic ticket dispensing machines. Each machine will be able to give passengers up-to-date train timetable and ticket price information. The machines must also issue tickets and transfer statistics about ticket sales to a central computer system. Railway staff must be able to update ticket prices and timetable information.

See table Table E.5 for a list of rejected candidate objects in automatic ticket system and reasons for rejection.

Objects retained as possible classes: timetable, ticket information, ticket sales.