

CSY2030 Class Diagrams Tutorial

1. Given the following specification, create a class diagram:

A Hospital requires a hold to information about doctors and the patients they treat.

There are 2 types of doctor: consultants and juniors. All doctors have an identification number and treat patients. However, consultants have a specialism while juniors have a grade. Consultants head a team of doctors and are responsible for all patients. Patients are assigned to a ward.

Using suitable attributes and relationships create a class diagram. Pay particular attention to the multiplicities of the relationships between the classes.

2. Create a Class Diagram for an e-commerce system where customers make orders that they add to a shopping cart.

Note that there numerous solutions to the above questions