

Object Oriented Programming and Design

Tutorial 1

For this exercise it is recommended to work in pairs.

Consider the attached recent technology news article (Credit: BBC Technology News).

Hence:

1. Identify the relevant object classes involved in the scenario.
Company, Patent, Device (including Tablet, Smartphone), Lawsuit, Lawyer, Court...
2. Identify the relevant object instances involved in the scenario.
e.g. Company: Apple, Samsung
Device: iPad (Tablet), iPhone (Smartphone), Galaxy Pad, Galaxy S 4G (Smartphone)
Lawyer: Kathleen Sullivan
Court: US (California), Australia, Netherlands
3. For each object class, identify appropriate properties/attributes/data members.
e.g. for Company we might have a name and market capitalisation
4. For each object class, identify appropriate methods/operations/behaviours.
e.g. for Company we might have a method to sue another company alleging that a device of theirs violates a patent of ours
5. Identify several different types of relationships between object classes.
e.g. (a) The specialisation relationship between Device and specific subclasses such as Tablet and Smartphone (b) the aggregation relationship between a Company and the set of patents it holds.