

S1.2: UML – Use Case Diagrams

For the diagrams this week (and others in the coming weeks) we will be using a piece of software called Microsoft Visio. This should be installed on the lab machines already, however, if not you can install it from the Software Centre. You also have access this at home: download MS Visio from <https://azureforeducation.microsoft.com/devtools> using your UCLan ID to set it up. Alternatively, you can download Argo UML: <https://argouml.en.softonic.com/?ex=BB-1459.1>.

You can work in pairs for today's activities so that you get the opportunity to discuss your answers to the questions with your partner. However, everyone should have a go at creating the diagrams. Your tutor will facilitate a whole class discussion during the session to discuss your answers, and your group may also be asked to present these to the rest of the class.

1. Read the **Amy's Cupcakes case study** again carefully (on Blackboard).
Use Visio to draw a use case diagram that reflects the way that the system **currently** operates.
Add the <<include>> and <<extend>> situations where appropriate.
2. Think of a club or society that you are aware of or belong to. E.g., a ballroom dancing club.
Use Visio to draw a use case diagram that reflects the way that the system **currently** operates.
Add the <<include>> and <<extend>> situations where appropriate.
3. Read the **KYA Karate Club case study** carefully (on Blackboard).
Use Visio to draw a use case diagram that reflects the way that the system **currently** operates.
Add the <<include>> and <<extend>> situations where appropriate.