# **Class Diagrams:**

**What are Class Diagrams?**

A class diagram is composed of:

* Classes – main parts of the class diagram, these hold the base information for what the diagram is about
* Attributes – the data/properties that each class holds (name, age, height)
* Methods – what actions the classes can do ( run(), end(), calculate() )
* Relationships – how classes are connected and interact with each other

**Why are they useful?**

Class diagrams are useful as they can greatly represent the structure of a system, being able to show its base parts (classes), what they contain (attributes), what they do(Methods) and how it is all linked together (relationships).

**Example:**

**A computer screen shot of a diagram

AI-generated content may be incorrect.**

This Class Diagram shows what one would look like for a duck.