**Software Testing:** Process of evaluating and verifying that a software product or application does what it is supposed to do.

* **Functional Testing:** Checks the functions and features of the application (functionality). Types and examples:
  + **Unit testing** - does every part of the app do what they are supposed to do separately? I. e.: an app to calculate the volume of a sphere will have a component for input, another for calculations and a last one for output. Do they work well separately doing the part they are supposed to do?
  + **Integration testing** -does every part work well together? Do the calculations refer to the input component?
  + **System testing** - does this app do what it has to within the system it is integrated? Can this app be added to an already existing system of calculations?
  + **Acceptance testing** - is the client happy with what the app does? Is this what the client wanted it to do? Did the client want an application that will collect input like this and calculate the volume of a sphere?
* **Not Functional Testing:** Checks other aspects of how well the application works (performance). Types and examples:
  + **Performance testing** – is the speed of the software acceptable and are there any moments of lag.
  + **Compatibility testing** – does the software work on the intended devices and with other associated software.
  + **Volume testing** – does the software cope with large datasets without undue slow down and crashes.
  + **Stability testing** – does the software run as intended every time and for prolonged periods.