

A satellite view of the Earth at night, showing the illuminated landmasses of Europe, Africa, and Asia against the dark background of space. The city lights are visible as bright yellow and white clusters.

Robust Programs

Robust programming is a style of programming that focuses on handling unexpected termination and unexpected actions.

validation

Validation is when you check the input data is sensible and in the right format



Input Sanitation



Input sanitation involves the hiding of sensitive information. This can be achieved through 'masking'. Masking involves changing potentially sensitive information from appearing on screen. An example of this can be seen when you type your password into a website.



Data authentication

Data authentication is the part of the program that checks and verifies the identity of the user.

Iterative testing




Iterative testing is when a program is tested at multiple stages. This allows a developer to find issues while the program is being built.

Maintainability



The ease in which a program can be edited to fix any faults or errors, improve performance or other attributes and adapt code for changing needs.



**Maintainability
= Productivity**

Data Testing



Testing is the part at the end of the program where you have made the whole program yet you still need to test it to find out if you need to make any tweaks or you have made mistakes that need to be fixed before you can carry on with the program and run it.