Assignment4

1. Emergent system properties are the properties of a system as a whole rather than the properties of a system that can be derived from the properties of components of a system.
2. Planning; This is the establishment of high level view of intended project and determining its goals.

Analysis; This is the refining of project goals into defined functions and operations of the intended application.

Implementation; This is the writing of the real code.

Testing; This is the bringing of all pieces together into a special testing environment to check for errors, bugs or interoperability.

Installation; This is the final stage of development where the software is put into production and runs actual business.

Maintenance; This is the making of changes, additions, moves to a different platform and more.it is the most important step of all which goes seemingly forever.

1. Legacy systems are outdated computer system programming languages that are used instead of updated programming versions. E.G obasanjo in Nigerian political affairs.

Critical systems; These are systems whose failure may result to loss of life, injury, or seriously environmental damage.

1. Object oriented design is the development of an object oriented system model to implement requirements.

Object oriented programming is the realizing of object oriented design using an object oriented programming language such as C++ or java.

1. A computer is an electronic machine used for storing and processing data typically in a binary form according to instructions given to it in a variable programme.
2. Windows platform

Mac platform

Android platform

1. Waterfall model is the sequential design process used in software development processes in which progress is seen as flowing steadily downwards. Spiral model is a risk driven process model generator for software projects.
2. A throw away prototyping is a prototype which is usually a practical implementation of the system produced to help discover requirements, problems and then discarded.
3. Identifiers are language independent labels, sign or token that uniquely identifies an object within an identification scheme.
4. Keywords are words or identifiers that has a particular meaning to a programming language. e.g void, main ,integer
5. A program without main method cannot compile because the compiler uses the main method as a starting point.
6. Java achieves platform independence because it can run on any platform or operating system.
7. A java class file is produced by a java compiler from java programming language source files (.java) containing java classes.
8. The program to be used is jamb based.