

Issues in Systems Analysis

Why do companies need new software.....

- growth
- productivity
- quality
- legislation

What is the nature of a particular project.....

- length of time
- new technology vs old

Which is the best method to use.....

↓

Reliable software
↓
no bugs
↓
the client
wants them
! - know what they want
- ensure!

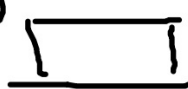

Tools to use.....

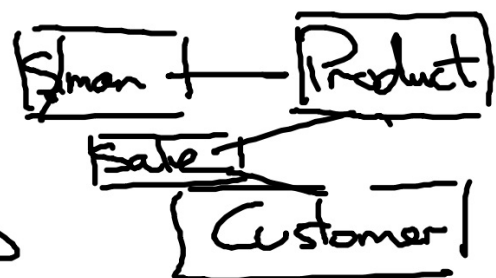
Structured Program Development
Entity Relationship Diag.
ERD

Data Flow Diagram
DFD

Computer Aided Software
Engineering
(CASE)

Diagram Components

 Entity
 Relationship

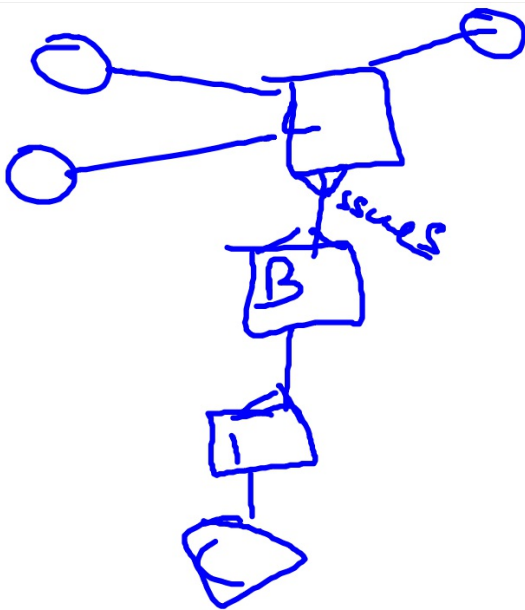


Degree & relationship?

Draw an ERT Attributes?

for a library book issue
system

Entities
Relationships



L = Librarian

B = Book

I = Issue

C = Customer

STANDARD NOTATION

ISSUE (Date, Quantity)

Entity

Attributes

Computer Aided Software Engineering

CASE Tools

* IDE (Visual Studio)
Dreamweaver etc

* Word (for diagrams)
Visio

* RAD tool (Visual Studio)
M/S Access