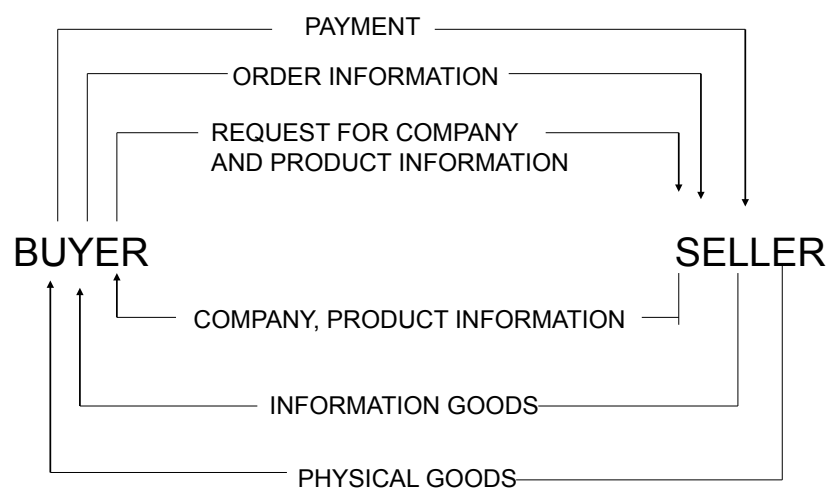


e-BUSINESS TECHNOLOGIES

BASIC E-COMMERCE SYSTEM



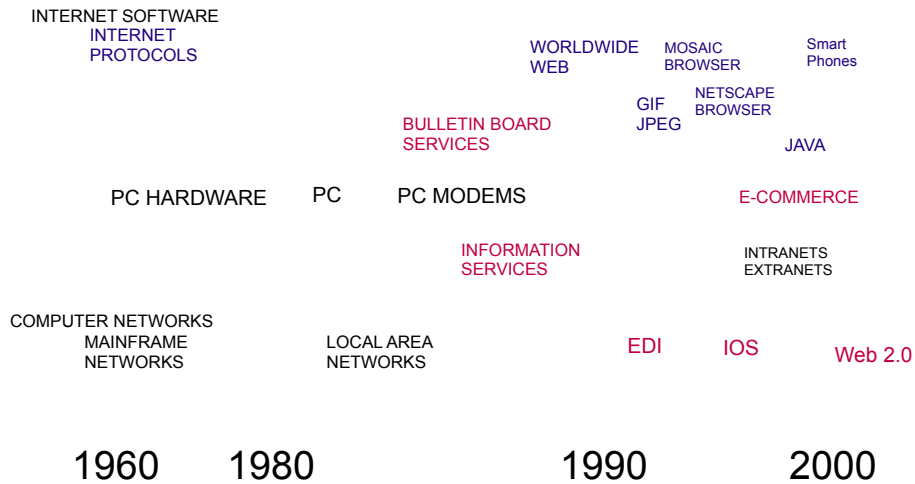
E-business Content Production

- DIGITISATION
- STORAGE
- DATA TRANSMISSION (EDI)
- INTERACTION
- PAYMENT (EFT)

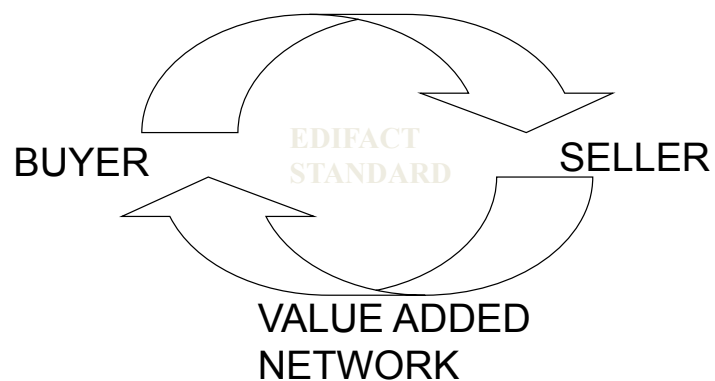
CONTENT RETRIEVAL

- NETWORK ACCESS
- SEARCH AND LOCATE CONTENT
- RETRIEVE INFORMATION
- DISPLAY INFORMATION

ELECTRONIC COMMERCE TECHNOLOGY TIMELINE



ELECTRONIC DATA INTERCHANGE



DIAL UP SERVICES (1980s – 90s)

- BULLETIN BOARD SERVICES
- BUSINESS INFORMATION SERVICES
 - PRODIGY
 - AMERICA ONLINE
 - COMPUERVE

EARLY INTERNET TECHNOLOGY

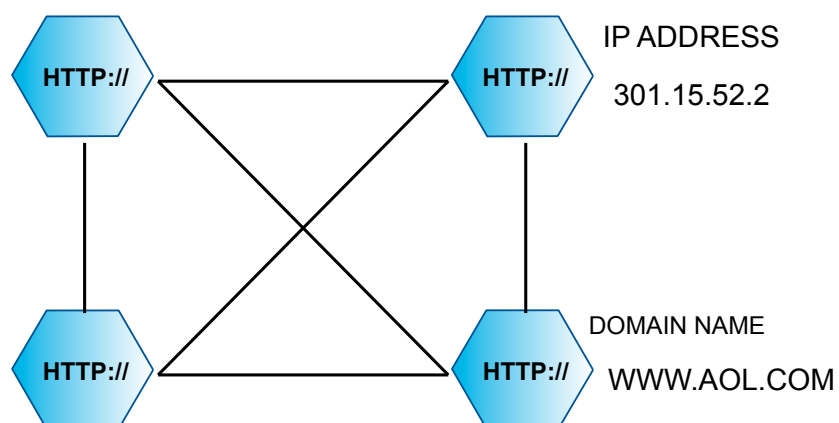
- PACKET SWITCHING
- TCP/IP
 - FTP (FILE TRANSFER PROTOCOL)
 - SMTP (SIMPLE MAIL TRANSFER PROTOCOL)
 - MIME (MULTIPURPOSE INTERNET MAIL EXTENSION)
 - POP (POST OFFICE PROTOCOL)
 - PPP (POINT TO POINT PROTOCOL)
 - (Later) PUSH PROTOCOLS (Imap)

DATA COMPRESSION

- GIF (GRAPHICAL INTERCHANGE FORMAT)
- JPEG (JOINT PHOTOGRAPHICS EXPERT GROUP)
- MPEG (ISO/IEC standard (Audio, Video)-MOVING PICTURES EXPERT GROUP)

[Which other standards have driven the emergence of E-Business 2.0?]

WORLDWIDE WEB



STRUCTURE OF A URL (UNIFORM RESOURCE LOCATOR)

<http://www.tsd.ac.uk/index.html>

Hypertext
transfer
protocol

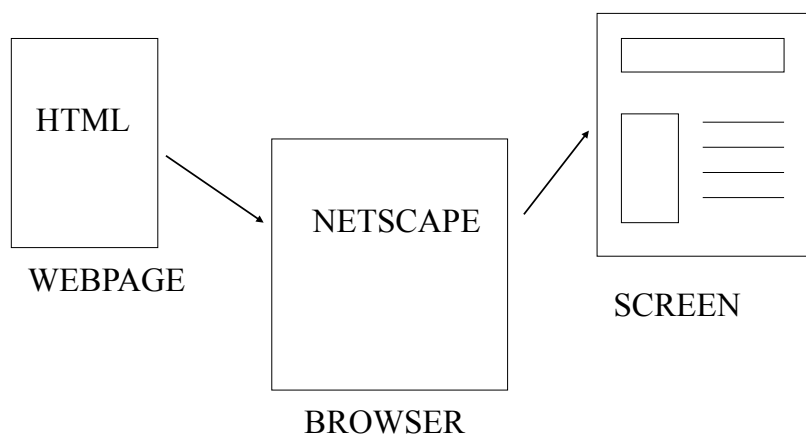
Server
Name

at

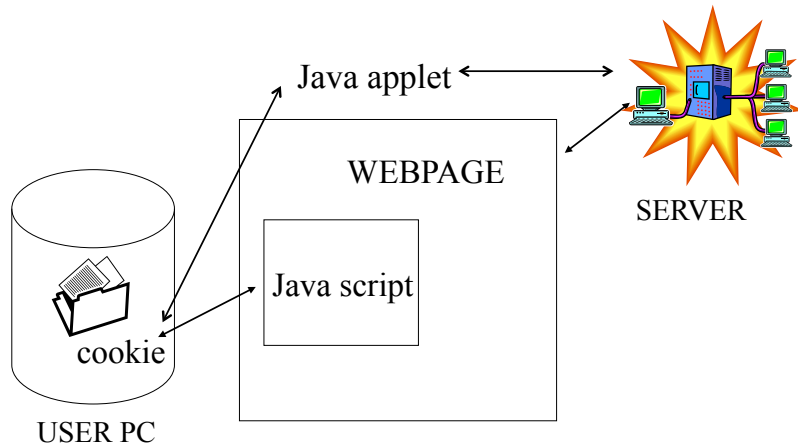
Domain
name

Web
page

BROWSERS

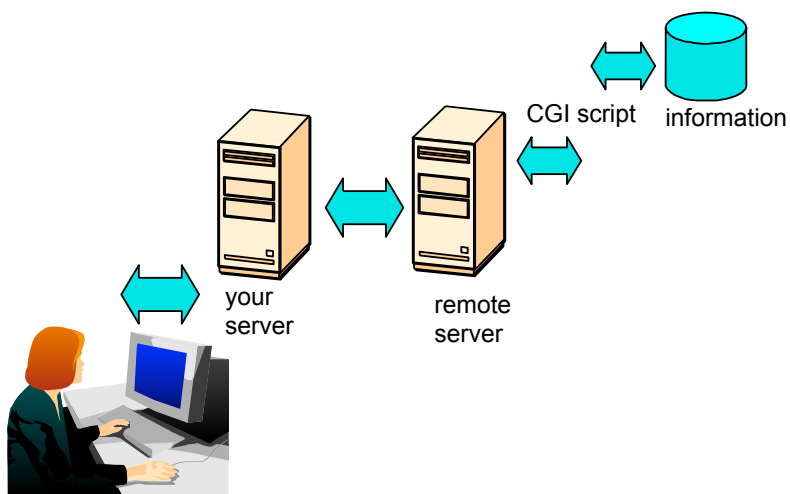


HOW JAVA IS USED

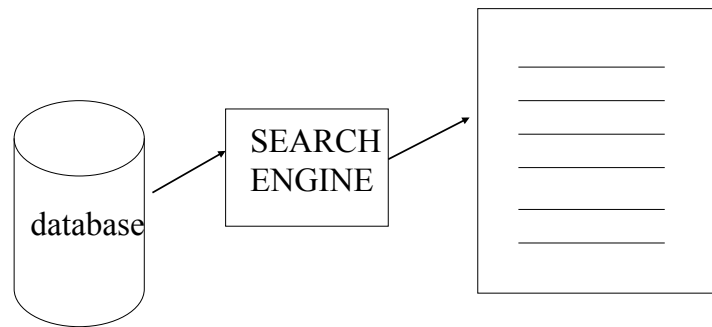


HOW CGI WORKS

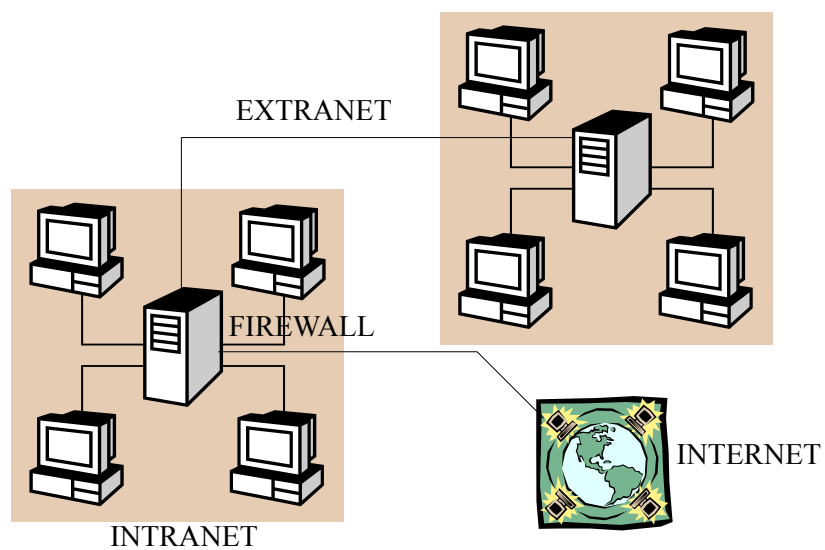
"CGI" = Common Gateway Interface



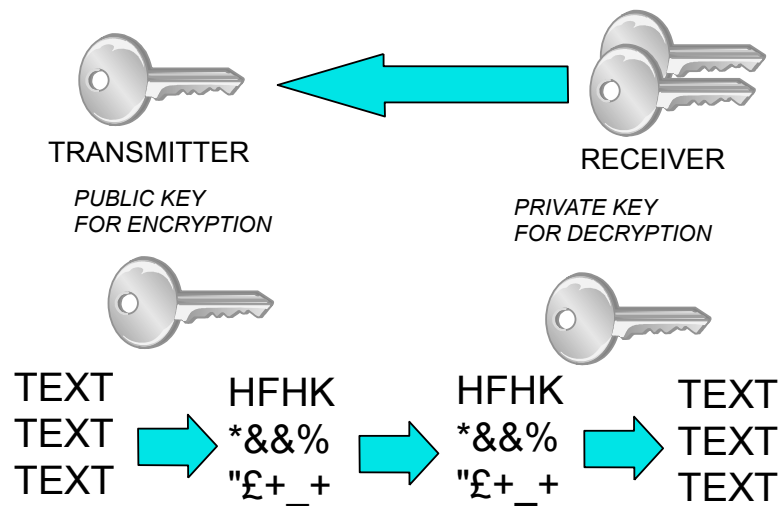
SEARCH ENGINES & DIRECTORIES



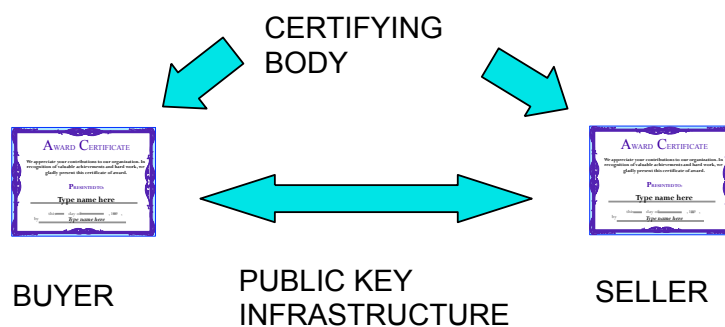
INTRANETS AND EXTRANETS

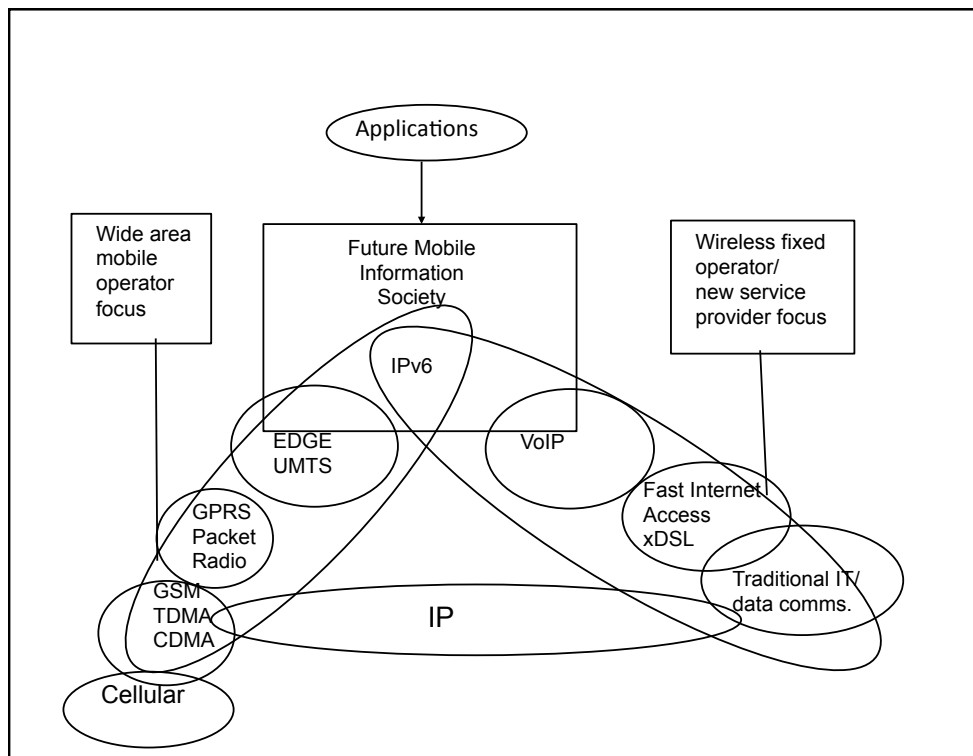


PUBLIC KEY ENCRYPTION



SECURE ELECTRONIC TRANSACTION





CONNECTIVITY

- JINI (Apache River)
- BLUETOOTH
- EPOC (Smartphone OS browser kit)
- JAVA TV
- NFC