# Zachman’s Framework

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|  | **What** (Data) | **How** (Function) | **Where** (Location) | **Who**  (Person) | **When**  (Time) | **Why**  (Motivation) |
| **Scope** (Contextual) *Planner* (Executive Management) | Important health care and service delivery information | Health service and care delivery services | Health centres such as hospitals | Healthcare organisation such as NHS | Fundamental health care events | Business strategic plan of personal and public health impact |
| **Enterprise Model** (Conceptual) *Owner* (Operations Management) | *Semantic data model*, ER Diagram of | *Business Process Mode*l, BMPN Sequence of health care services | *Business Logistics System*, Healthcare information workflow | *Organisation Chart*, Management, Doctors, Nurses and staff members | Event Schedule, Weekly update process, monthly report | Business Plan and on health care services |
| **System Model** (Logical)  *Designer* (Business System Architect) | *Data model (Logical*), data structure diagrams of | A*pplication Architecture*, UML activity diagrams, data flow of transfers | *Distributed System Architecture,* | *Human Interface Architecture,* User Roles definitions*,* UML Use Case Diagrams, | *Process Structure,* | Business rules and policies |
| **Technology Model** (Physical) *Builder* (Information Systems Architect) | *Physical Data model*, Database schemas, XML Schemas and actual data attributes | *System Design,*  UML Class diagrams | *Technology Architecture,* | *Presentation Architecture*, Users of Front-end and Back-end interfaces | *Control Structure,* | Ethics and Conduct of work |
| **Detailed Representation** (Out of Context) Subcontractor (Systems Developer) | *Data Definition*, MySQL Database and SQL | *Program*, Detailed System Design (Pseudocode), UML sequence diagrams | *Network Architecture,* LAN, Internet protocol | *Security Architecture,* Level of access roles, administration and editor roles | Expected completion of process and defined timescales. | Conformance with expected procedures |
| **Actual Functioning System** (Users, Support and service providers) | *Data* Production Data, HTML tables | Production system, Code | Windows 10 Workstations, Web portal | Users, Operations personnel | Real time events and communication flow, emails and phone calls | Delivery of professional service and best buy expectation |