

Users interest with the doctabase system It Could be a need application, dustop Software, mobile aft, or any other og type of Software. 2. Davabase Management System (DBMs): The BBMS 12 the Core Software that manages the Software. It provides an interface for users to interest with the dodaberse, manages douba Storage, retained and manipulation. 3. Autobasi Servon Thy is he physical or Dithel morehne when the DB MS Software runs. It hosts the databases and manages requests from chant applications. 4. Interbase! The database is a Structured Calenton of data to garred for afficient notralival. 5. Dury Poolessoo! The query processor pareisand uxentes queries Sind by clust applications. It ophimme query uxecution for porformance and officiency. b. Storage tamager: The Storage Hamager handles the Storage of data on disk or in memory It manages how dota is stored, returned and ceched to oplimice bertomana. The ACID properties of doubtsers to onseits o Ecroupend become vorrager! This componer knodle, the tecker 4 recovery of doeterbase dode to priment dolla dossir can of System failures to deserbes.

plan the lifetycle of database. data base. Maintainle (Analysis)

Descapase

Descapase

Descapase 1. Arralysis Steads by Considering the Stede most of requirements and finishes by producing a system specification. The System Specification is a formal representation of whole a System do 1 expressed in trems that are independent of how it may be realled. 2. Design begins with a System. Specification and produces design do cuments I and provides a deballed description of how a system should be constructed. 3. Implementation is the Contolution of a computer system according to a given design document and technique account of the unviso hment in which the System will be operating 4. Testing compares the implemented System agreement the design documents and orgustiments sperification and produces are acceptente report. 5. Mountaine Involves dealing with changes in he orgunaments or the impleme whiten environmed, bug fromg or porting of the System to how envison ments.

Describe about the borrephsed data Modelling. Am It is a righ down abstraction of the entere databases System, focusing on the orelationships between different dors entities without deling mo tachnical 1. Purpose: It come to understand and represent the Dustress concepts and relactionships within an organization. 2. Butities and Relationships: It identifies and defines the heur unlikes within the donain of interest and . ment and explusion them. 3. Attributes: It describes the characterists on propules of untitles 1 Known as attributes. Attributes provide futher détails about rentities. 4. Modelling Techniques Common techniques for Conceptial tata modelling include Brity-Relationship Diagram 4 VML class diagrams S. Agility and Elexibility! Lonephal data Modelling allows for flexibility and adalphibility asit focuse an under Sterreling the business requirement and Com accompate changes! 6. Communication tood! Theres as a Communication tool between Stelkeholders, Mdedry business avalgts, doutable designes and developes. Dy Explan the design issues of the and BBR Model. Am In Britis Pulationship (BP) and Britanied Brilly
Redactionship (BBP) modelling, Sowered debign issues
need to be addressed to a nocine the affective ness
and accuracy of the model!

ony Identification: entity is bruired. This mobiles identifying primary Keys to I was that clock entry medance is originally identificable within the model. 2. Attribute Sperificator + Defining the affillates of out entity according is ressential. 3. Relationships landrality! - sperifying the Cardinality of orlationships between untities is important 4. Participation Constraints! Defining the participation Constraints of entitles in relationships in necessary. S. near Britis! Identifying and popular modeling near entities, which defind on the cexistence of another untity for identification, is ornered. C. Spenjication and Grennadization+ Handling Sperification and generalization relationships is important is 7. Aggregation! Identifying aggregation relationships where multiple untitres are grouped together to form a higher Ind until is impostant. 8. Attribute wheriten of Addressing out vibrite inheritence n BBB models 1 where Sub done unlikes inevit attributes from Superclass untitles, is trueid.