

explain the use of XML in distributed computing. XML is the extensible markyp language to come together & make the information: base xML Provides the basis for a Wide haviety language. eg-include mathematical Markup janguage (Math MML), Electronic Business MILLEDXMU), and Voice Markup Language (VXML XML consist of both markup and content in the document. This flexible representation of data allows to easily send and receive data, and transforms data from one formet to another some specilized uses of XML are the Java Speech Markup language and the synchronized multimedia Integration language. pach XMI language has its own grammer. and the specific set of thes governing the content & structure of documents weitten in the language What is service oriented prohitecture.

The concept of service oriented prohitecture (GOA) PODVIDES a COST effective Solution. soft is the concept of service oriented architecture defined by sun web services have taken the concept of service delivered over the web using technologies such as XML, Web services Description Language (WSDL), SIMPLE object Access Protocol (SOAP), and universal description, discovery, and Integration (UDDI). SOA IS INTEGRATION and Architecture for mework

Page 3

It also enables the software as a service SOA is the standardlized of software Project design where services are Provided across different components using communication Botocol using internet. 45 communication Brotocol using two different this soft and web-services are two different this but web services are the preferred standar based way to realize soft. service oriental Arabitecture (SOA) in an evolution of distributed computing based on the reduce DEPLY design for synchronous & asynchrona applications. An application's business togic or individual functions are modularized & services for client applications. The important characteristics of web service that they are loosly coupled natural help to make the service interface independent of the implementation.

explain key characteristics of son 150A SERVICES ARE XML and WED SERVICES Lescoiption language(WSDL) as the Standard to describe the services. There are platform independe nt standards and so they help to distribut te the application over web. B) Soft services communicate with messages formally defined via XMI also called XSD communication among dients and server providers or services is always in the hetero geneous environmento 50A Services one maintained in the enter prise by a registry that acts as a libertory listing Application can look up the services in the registry & invoke the service, universal description petinition and thegration (upp I) is the standard used for service Registry. ey) Each sof service has a avality of SERVICE (805) associated with H. Its important elements are security requiremento such as authentication & authorization reliable Messaging, & Policies regarding who can invoke services V) with soft the hardware operating system A software can be used as a service.

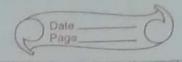
O Date Page

Mhat is statless & statfull services

explain with example.

A Statless architecture or application is a type of internet Protocol where the state of the exerced in subsequent transported of the exerced in subsequent transported of the exerced of the sender & state of the exercetion this is either the transported of the execution this is a protocol where a client & server reduced a protocol where a client & server reduced of response are made in a current state of the current session is not retained or carried over the rext transaction statless applications manage short term requests using print secures of the current pelivery network eg- HTTP, DNS.

GLAHUI - A STATE-FUI architecture of application describes a structure that allows users to store, record and return to arreadly establish information and process over the internet. It entails transactions that are performed using Past transactions as a reference point in state ful applications, the current transfaction on be affected by the previous ones.



explain any one web technology in details use for implementing web services. HTTP- The de facto standard for the xML - The de facto standard fordata message interpretation. GOAP- choosen standard for XML Messaging chasacterstics -It supports loose coupling everywhere in the Project. SOFT SUPPORTS interoperability.
It increases the quality of service. It supports vendor diversity. It Promotes discovery Stederation. It is location - transparent.

It is still maturing & adjeuable What are to RPC. Rémote Procedure call is a software communication protocol that one program (an use to request a service trom a Program located in another computer on a network without having to understand the network's details. RPC 16 used to call other Processes on the semote systems like a local system.

