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SEM-5th ROLL-1854044 Assignment-No-3.

(INFO 3101) DEPT-IT

Mod 4

1. Explain J2FF three . Hier architecture

JZEE uses Hree tiers: i) Client tier

ii) Middle tier.

iii) Enterprise Data.

Client tier:

The client tier consist of programe or applications interact with the user usually they are located in a different & machine from the server. Client tier prompts the user inputs into user requests then forwarded to the JZEE server then processed result returned back to the client. A client can be a web browser, standalone, application or server than that ruins on a different machine.

Clients can be classified as a web client and application client.

2. Middle Her (webter & EJB Tier):

Below are the components of Middle Pier.

Web Tier/ Web component . Web components can be servlets or JSP pages. Servlets can dynamically process the request and generatic generate the responses compared to JSP and served servlets - Servlets are dynamic pages to some extent but JSP pages are staric in nature

During application assembly process clients state HTML programs and applied applet, codes

are bundled in webtier/ web components. Actually these LATIME and applies are not considered as and applies are not considered as clements of and applets are not considered as clements of web components server—side willing classes are also bundled with web components but they also bundled with web components.

web tier might include EJB components for processing user inputs and sends the input to Enterprise been recurring in the business tier

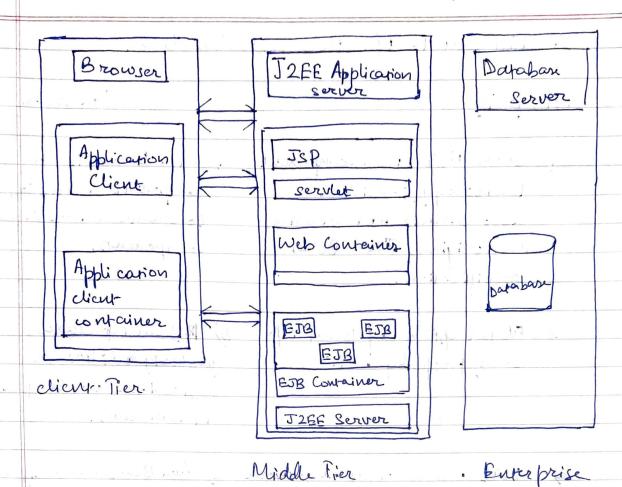
## EJB Tier/EJB Componento

Firesprise components handle usually business code
that is logic to solve particular business
domains such as banking or finance are handled
by enterprise been running in the business
tiere enterprise container receives days from
client processes if necessary cend it to the
enterprise information system for storage
Enterprise bee also refrieves days from storage
processes it and sends it back to the client.

## 3. Enterprise data Pier:

This tier consists of database servers, enterprise resource, planning systems and other data sources. Resources are typically other data source. Resource are typically tocated on a separate maetine then the J2B server and accesses by components on the business tier.

Data Pier



2 Differentiate between stub and skeleton.

Anoi) Itub belongs to receiver side.

Skeleron belongs to service provider side.

ii) The stub hides the serialization of parameters and nerwork-level communication in order to present a simple invocation mechanism to the caller.

The skeleron is responsible for dispatching the call to the actual remote object implementation.

for a longer program possibly to be loaded latir on that is located remotely.

A skeleton for a remote object is a server-side entity
that disparches calls to the actual remote object-implemented
-tion

3. Differentiate 5/n EJB and Java Bean

Anot EJB

Tava Bean

technology, it neither reconstructs nor enhances the original Java Bean specification.

component technology to create universal in components.

b) No perception of Bean info classes, properly editions proporty and tors or assomizers can be present in Bara beans.

components on basiness objects.

for a single process and localized.

d) Java Beaus may be

c) Toura Beans wer designed

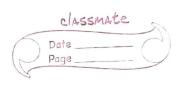
d) An EJB is @a non-visual isolated object.

visible or non visible

4. Emplain different types of XML parser

Anst XML parser provides a way to access or modify data in an XML document. Java provides multiple options to parse XML documents. Following are various types of parsers which are are commonly used to pearser XML documents.

the complete contents of the document by wading creating its complete hierarchical tree in memory.



- 5) SAX parser Parses on MIL document on event-based triggers. Does not load the complete document into the memory.
- 5) JOOM Parser Parses an XML document in a similar fashion to DOM parser but in an easier way.
- d) STAX parser parses on XML document in a similar foshion to SAX parser but in a new more efficient way.
- e) X Path Parser Parses an XML document based on expression and is used extrusively in carjunction with XSLT
- JOMUJ Parser A & java library to parse XML, XPath, and XSLT con using Pava Rollegious & Francework. It provides sop support for DOM, SAX and JAXP.