Om shree SE Assignment 5 8 6 2006077

(Ansz)

- OBasic issus of software newse:
 - O component cheation: requires the identification of components with potential of
 - (2) component indexing & storing: descriptication b storing of runsable components in an RABMS for ease of access.
 - 3 Component searching: Look up for the worker component in the musable RABMS.
 - @ Component understanding: components must be well documented & should do something simple in code. simple in code.
 - (5) Component adaptation: fault free tinkering I vode to suit new meds.
 - (6) Repository maintenance: nur components have to be entered into the supository upon completion. Faulty components have to be
 - Domain analysis: find pursable pieus for a pushem domain.
- () Technical & mon-technical issues of
- Technical issues find to focus on how successful a software is in potential for adaptation.
- Non-technical issums focus on home a project is managed & funded.

fordors such as increased maintenance costs, finding wroterlanding be adapting prevsable components are major issues behind software musico.

Other factors include motivational & organizational island. Lack of tool suppoint & caussin inpriments.

(.) software purse is only suitable in conditions where it ruduces descripment cost & finne But in some renations, a significant cost is associated with whither or not a compount is suitable for nuise. In there schooling, softwore muse must be avoided.

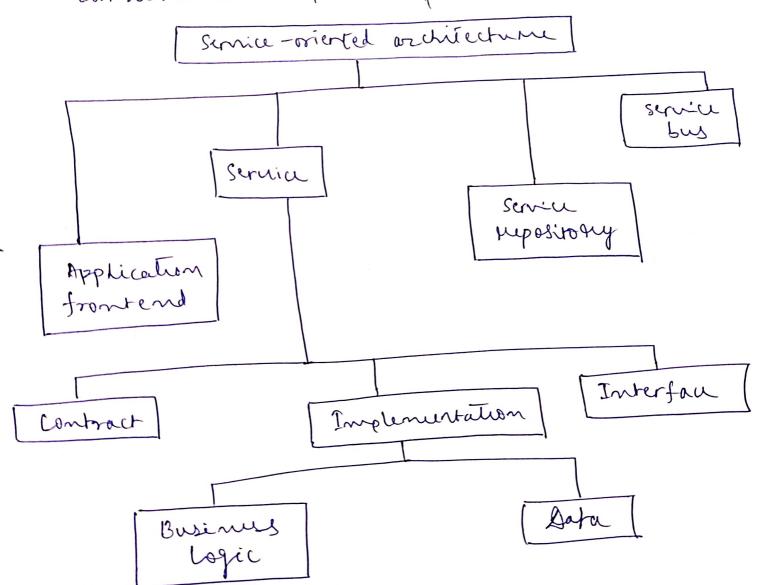
(Ansu)

- (.) Principal activities of a modern quality management system are:
 - Anditing of projects
 - -> Review of the wality system
 - Inspection
 - bracity control
 - Quality assurance
 - total quelity management The peradigm has shifted from product assurance.
- (1) Reliability growth madel: model predicts & measures the improvements of reliability programs through the testing process. The growth model supresents the fuliability on failure rate of a system as a function of time or the no. of first cased.

Reliability growth model is unful as it can be used to plan the scope of divilopmental tasks I tests. Tells you how much testing hidren should be divoted to provide a meadorable opportunity for the system disign to mature sufficiently in divelopmental testing.

(Ams6) Short mate on SOA

(.) SOA is an anchitecture which phonishs service to form applications through a network call over the internet. There are 2 major holes within SOA i.c. service phonish & service consumers. Components of 10A are:



aniding principles of SOA are

- · Standardisch service contract
- · Loose coupling
- · Abstraction
- · Reusability
- · Automony
- · Discoverability
- · Composability

Advantage of son ame:

- · Service reusability
- * Easy maintenance
- · Platform independent
- · Availability
- * Reliability
- * Scalability

Short note on SAAS

SAAS is a multitement as the formula applications of the internet as the service. Instead of installing & maintaining software, you simply access it via the internet, freeing yourcelf from complex software be hordware management. Type of Stas are tass, Paal and Xaas. The payment model for these kind of services is a typically per-seat, per-month charge based on usage. SAAS is a multitement architecture, in which all the users share the single, common injoistfucture & code base that is centrally maintained.

Ansi) Test cases for Modules: -

(1) Test cases for modult "layment Details":method followed: boundary value analysis

Case 1

Imput: 15, AC,
Armada, 1,
94

Expected subsut: 4650

"Alomed"

Case 2 Input: 3, NKC, Swift, 2, 56 Experted pessur: "Error, C4 hrs

Case 3

Imput: 9, KC, Mercedes,

1, 40

Expected fusult:
"Error, car type not pulent.

Case 4

Input: 6, LC, Dzire, 2,

50

Expected regult:
"Error, time migmatch"

D'Test case for module "Advance balance":—
Method forlowed: boundary rahu analysis

Imput: 500, 300

Expected muur: 200

Input: 300, 450

Expected pessur:
"Advance not,
sufficient

Case 3

Impur: 500, 750

Expected rusur: -250

"Danige exceds
advance"

Expected hisut:
"Negative advance not
allowed"