Ankit Goyal 17103011 00AD Assignment-2

1 Types of Tracebility tables :-

- (a) Feature tracebility table:

 It shows how the requirements relate to important

 vectories observable system/product features. It will have

 requirements from customent point of Vialus.
- It identifies source of each requirement.

 Like Duhat is basic need of requirement?

 Ouhet pulls customer to state this requirements!
- Dependency tracebility table)—

 It indicates requirements are related to one another.

 If there are any dependency blu requirement (and 2)

 If there exists, how is if going to impact the

 final product of nakes the customer to easily selve

 the requirements with each other.
- (d) Subsystem tracebility table:

 It categorius the requirements of the subsystem they

 govern we can bedate each I every requirement with

 the help of dependency tracebility table it using its result,

 we can categorius the into subsystems.

(2) Crosswards Down D Concerns

- seperation of concerns (sol) is a design for deperating do computer programs into distinct section such that each section additesses a seperate concern'

eg. ATML, OSS & JS

the above three are complementary. HTML for structure, css for styling (Is for the ordding the interactions.

Down Od Flexible:

Polymorphum stead or branches from inheritance. The whole idea is that goode have for a general base dass of more specific derived classes. One can write code for base class & polymorphism makes code working for all derived classes as well

Accross (5) Polymorphism:

-) Polymorphism allows us to use sobclass where sopalless has been represented. This makes ade writing flexible.

Accordis 9 (oushidor :-

it is helpful in infrating attributes associated with are object so when each attribute was need a seperate cetter nethod, a constroctor is used instead.

Across B -) 506 class

in inheritance, the dass which is inheriting from another class is known as a subclass.

Across 6 Hide =)

I encapsolation helps is combining the selected code in a class. This can be helpful to hide the olda also called abstraction.

Across @ Sopuclass;

The class which is being inherited is delled superdays.

Organizational charges the exec

- changes to IT frameworks. The objectives of progress the executive is to build meanighthess 4 competantian of Me period changes over an association of generater, that progressions are mode is a smort manuar that count regative effect an administration and clients.
 - organizational charge the execution is a cycle part anitowized arranging class objectives, open correspondent and considert consideration baid to critical for laboures. Moreover, it charge can be extinted diefs may discover (aboures all made once ready to adjust their current schedules Corrospondence may work by 4 large, however it others it might may be profit direction of to form an arrangened for remonations for laboures who go proough he charge on the charge of the charge can be carried as a ideal eyae an opported to an intemption to daily schedule.

change the execution for most part in corporate accompanying advances

submission: Puring this stage, a change is reagnized and a change demand is submitted. The change is accessed including deciding, the need level of administration and danger of proposed change, decidae change type & change cycle to while

planning I plan the change, including the execution plan, booking, correspondence, plan, text plan, & more back arrangement.

Approval acquiring endorsements for change plan from the

Implementation: Implement the charge

Peuleu: communicate and arbeitet charge, plan from execution as

close? The stage when the cornery is effective & change is

(Y) (Rossword)

pour 12 functionality
pour 23 meaning
pour 30 Essence
pour 30 Essence
pour 5,2 Scenarios
pour 5,2 Scenarios
pour 5,2 Scenarios
pour 5,2 Scenarios
pour 70 Great software
pour 80 Simplicity
pour 60 Simplicity
pour 60 well ordered
pour 60 well ordered
pour 60 well ordered

Across (1) 2) Basic

Across (1) 2) increases

POWN (19 2) Great

Across (1) 2) Commonality

Across (6) 2) Most important

Across (6) 2) Hexible

(8) Availability & It refers to percentage of time that intrastructure, system or a solution remains operational under normal circumstances in order to sterine its intended purpose

- The mathematical formula for this? percentage of availability - (total elapsed time - sum of down time) total elasted fine

- This number percentage portrays a precise image of system much surplus' they should expect from It service providers merely faving a service is not sufficient. When an IT service is available, it should actually serve the intended purpose under varying and unexpected cardifions.

Poliability reflets to probability that system that systems will meet certain performance standards, in gealding correct output for a defined time duration. Reliability can be used to understand how well the service will be available in concert of different real-world applications.

- realiability is challerging to neasure

- A comon metric istobsed a mean time 6/w failure.

MTBF = (Total blapsed time - som of down time)

no. of failures

why MTBF is better? MTOF = MTTF + MTTR MTBFZ mean time for failures MTTF; mean time to failure MTTR: mean time to repair

measure than defeats / Kloc or defeats / FP. An end user is considered with failure, not with the total error count. Because, each error contained within a program does not have a system failure rate, total error count provides little indication of rediability of system.

For example?

consider a program that has been in operation for 14 months. Many errors in this program may remain unasteded for decades before they are disconnected.

MTBF of such obside errors might be even so on even 100 years. Other Errors yet the undiscovered, might have a failure rate of 18 or 24 months.