Use cose diagnoom 5 relationships type in a use case diagram -> Associate between actor and use cose > Gareralization of an actor > Extend between two use cases > Include between two use cerses > Guneralization of an use case feasibility Analysis Business value : Tangible value can be quandified and measured easily +29, ruduction in OC 5% increase in sales of tangible value - system provides important but hand to measure benefits. Improved customer service > better competitive position

Teanibility analysis is used to aid in the decision of whether on not to proceed with the IS es Ago itale between actor and use co pro Ject. As name suggest feeribility study is the fearibility analysis on it is a measure of the software product in terms of how much bereficial product development will be for the organization in a practical point of view > Also identifier project risks > Can be revised throughout SDLC rapos in suggest the so pomposes pro Destroyal robert system planter important Technical feasibility Fearibility Organizational fearibility -> better compreditive position

along with nequined technology and analyzed to Levelop project.

Familian with the application

"" technology

Project size

Compatibility

Land berefits of the Economic Fearibility (Study of cost and benefits of the projed) I Penform cost benefit malysis > Fdintify cost and berefits -> Assign values > Calculate cash flow and for -> Development out > Annual operation cost -> Annual benefits > Intangible costs and benefit

(ROI) Return of Soverhound Greasures money neceived in naturn for more of > High ROI is desinable when benefits exceed > Can be déformine d pen year, on fon eighter préject completion period.

ROI = Total & benefit - resst) Economic Pensibility (St. 400) Lotal bone File of the project Break - Even point: 1200 montes (Length of time when returns weil models ammont invested.

> Greater time - Garcaten nicht des skalusion - Amust quadion cost > Annual from till > Intergible costs and penfit

Organizational fearibility Pentonm Stakeholder Analysis Stakeholder - any person, group on organization that can affect on will be effected by the system. Project initiation: involved creating and assessing goals and expectations for a new system Use core diagnam relation 2 (openan) -> Auton must be associated with at least one or case on be 11, 11 multiple are cases of Mattiple actors can be associated with a single use case were case

Generalization of an actor One actor can inherest the note of other andon. The decendant inherit all the use casses of the ancorton. Spen aue.

Deposit

Employee and had MARCALLE belowinder and train and A & esses see shiple use in in 39 was - matigle autom on he associated with a single 1466 600 . . .

Extend Relationship between two use cases > It extend the base use cause depend on the base use case Include Relationship between two use cases > base usecouse is incomplete without a included -> The include use case is mandatory and not complex one a longe applicant

Use cuse Relationship

Use ause relationship models the dependency between the use cases in the interaction model of a system,

establishing relationships between the use case which needs to be defined nepea tedly and this neduces the effort of developous.

kind of nelating

> Include marched goldent also shall be

but wextend the stagment of stagger sand -> Generalization

ben have probable and side case and with a

It is modelled between the use cases when a use case includes the behavior sequence of another use case. The use case that need to be described nepearledly for a complex one or large systemare

modelled and included in the other use cases when required. -> Similar to subnoutino Secure session) include Extend Relationships: adds up behaviour squere to the base cuse. Frade stocks (trade option) - Sandy Sale Sale Sandy for (limit order) Short Sale)

Cremenalization Design Stantegier Top-dwon Juse modular approach > It starts from the top on the highest. Verel module -> rain modale is dévided into several smallor and simpler submodules Lacks (main module) (Straterile) (Submodule 2) beelf (Sub modele 1)

Bottom up and to be when the It follows the modular approach to develop the charign of the system > It starts from the bottom on the most basic level and moves have awards the highest level. > the basic on laveral level one identified I then grouped together based on the function per bonned by each modulo to form the nexthigher level module. of this process continue until the main modelle of Nystem development procurs is achieved. Love 12

Love 12

Love 12

Love 12

Love 12

Love 12

Love 13

Love 13

Love 14

Love 14

Love 15

Lov Levelt I sometiment of the

Bollem up Structured Doston > data flow based methodology that helps in identifying the input and obstact of the developing system. The main objective of Structured design is to minimize the complexity and increase the modelonity of apognom System freater DFD Det Dictionary & Decision Free Doeis on table of this process continues with the main tridels a Madellanization - maniple of mit Structured design partitions the program into small and independent modules. These are arganized W they In top dwon mannot. - 0 Jans /

the problem be sub dividing it into moller segment. Advantageri a critical intenfaces are tested first > provide abstraction of allows meetingle programmers to work simultinouty > allows code newse. Structure c'int de on system. Control module, - higher level modul, called Subordinate modules. Library module: reusable module and can be involve from more thou one point in the chart

the ectivity in a system

too detterent appoint. testonials point - line in class System audit tubnials point (Activity diagram of the come.

Segnamie & specto > Legranie a apects > flow of actions > The activity diagram is a flowehout to represent the flow of control among the activity en a rystem

ATM money with straw Inspet Coud) Invalid Submit (panalle | process) provey with me (Massage on in Bulance on Some Take yourcard end

Sequence diagnoin Resturant system septience diagnam Coaitor Titchen The I onder food food fre Picker