

ADVANTACES: Rumay struce patrial guild, Florite-less cally, lutter an velocit to each build Ownshiptes lived got pring trays part by water, fight as then down miles Lettel DUF lime to get poster to provide early, now each is being used, some high right feature (RAPID) PROTOTY PE Extrin Polym Probable Define Develop Euder Functionality Problyre problyps pakye planny Outtre Orinin brouble probles -throug polityles built to untilled requiences (hort gets fed of Syllen from probleges AMANTHUES (Nor moter to use most), Quee time Detection Quick feedback, Improved Manteuro blog Obtaining the facel to men count Indoment High Stall required, but of emphors on accomentation When to use System need old of interesting with end used 70the system, Web Interest; Minimal Training SPIRAL (NOT IN HIS NOTES -> MAY NOT BE ASHED ??) PLANNING Requirements Analysis Prototypny RUK ANALYSU Cody customer EVALUATION Eudustr ENGINEERING - Project Repeatedly posts though the spiral Model built upon previous model 60. HOLANTHOES High amount of Rill Angle, Strong Davisition Critical, Highly customischle, Early software Produced DISTAGANTAS. COSTY, REQUID South Expertix, Not early re-cell Who to use: Wen cost truli evaluation important, then richi project, Complex Requients, Systicont charge expected RATIONAL UNIFIED PROCESS (RUP) -1-Doudon Herotudy. 2-Monge Requirement. 3-Employ compress-based Articles 4-padd stace couly 5 - Cotonway verify quality 6-Control changes ADIANTHUS charging requirement easy, well discovered and complete methodology, Higher lead of newse DUNOVANTAGES: High Expertise Regular, Process complex ord disagonals, case out he re-used on high beach projects Wen to use' Small projets. phoe 160(n 6 nceotan Eloboration Construction Tracin

60

Too But

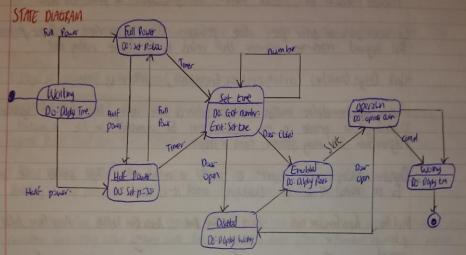
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Contiller

Robit

Behovaral Mateis -

-Model of dynamic behavior of syllom as its executing. Dute and evolute Dute Drien - Show four at dute Chaugh syllom - Not supported by which.
-Gent Driven - Shows syllom responds to external and internal events



DOMAIN ANALYSIS

00 Approuth why? Solution early meditied, simpler islutions, Improve Recoloristy, Rewabily
Damon molysis- Identification, analysis, and specification of common, rewards capabilists with specific application about

Doman Well Oblived set of throatestic) that occurring morning and complety detribe a family of problem) for which computer applican solven are being soughts.

00 analysis faculus on the features and functionally of a simple system to be generaled, domain analysis faculus on the common and various faculus across a family of systems

OBJECT ORIENTED PROGRAMMING OD, IHERITANCE

Object: Consult of State and related behaviour.
Benefit of Objects: Madulary: code wirds and promoned integratively. Information freding
Code-reuse, Auggobily and colouging ease

Class Name

Oata Fields

Canstructures ord

Methods

Carlbuck: Classificare (purametr None: parametr Type)
Dua helds: dalanore: datalyje

Method: Method Nume (parameter Namo: parametertyne): return Type
+ Sign Indiado public
- Sign Indiado produce
undado Static

- commer presson octor or vorioble which is not initialized.

- Instrume voriable and methods and because static veriables and methods don't helong to a postillar deject.

To prevent durar modifications of data field), should declare the data fields private using to prevent modifier known as data field encopsidation it gettes and retails

(on access public and defeat from some policine and public from different policine that refers to an object colling that,

- Class Design Guidelines Coheson, consulency, Encapsiloton, Inliane us Statis.

Overlanding: to define multiple methods with the some name but different syndrous overriding: to provide a new implementation for a method in the subcloss Palymorphim has many different forms or stages

Dynomic Birding- when object o involve a nethal m. Jum searle the implement

Modifier Ages from some cass Ages from some Pak Ages from Shilless Ages from differt port

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REQUIREMENT

froces of finding only analysing drawing and checking their senties and controlling - Request eng

Function of the body requirements and completeres and conflicting then-function - performance, security, availabilities

Man algorits in Not-Further Requirerests: Product, Organisational and external requirements Approaches for specification: Informal, Structures, Farmer, Sent-Forms
Requirements Volidation: Consistency, Compileress, Revision and Verticulity

DEBUGGING AND TESTING

Text for Specification against vigos' requires - collection, verification

- Include hypothesis for cest.

- Yelloweth proces

- Correcties, reliabily, whates performance, couplily, utility

- Execution and ran exacution method) Long sub, Smill sale or work though acce

2/05/2015

SOFTWAKE ENGINEERING

While by Telling Fest a module yang # Howards of 115 invanus Try to trop algorithm, allows more detailed let aid. Unit lesking Integration being

Block box

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Sylam enginery - Regulation - Delyn-Oction-Almit tolay - Interior Teny - Wallaton Telly - Julian Tellay

PROJECT MANAGEMENT

3 stage of project life tycle: Proposal startup, marter project

Costs Effort costs (lober), hardtestware including municipality, barel and barney costs

Poyment Modell: Fined Prine, The + Moderial, Cost-Plus, Final prine per unit.

4 (ntild Tably for simpler: Time Extraction. Planning and Scheduling without contracted contracted Identifying critical poths, points and rillich. Monitoring progress -delecting and correlary produces

Factors Alforby softwar Ming. Marrier approvery-law price to get correl. Cost extract uncertainty - have up price Controlled terms-may citize to heep code Requirementiology-laws price. Finance booth get mores

Dien ramally cases: Introduction, Project Organistro. Roll Analytic Hast/litture reguments. Water breateless Propert schedule, Manitorny and repairing mechanisms

Project Schollegi Bor Charts or Grannt Chert, Activity rethord

Project Activitie: Duration, Effort Edinal, Deadline A defined empount

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that with the least you the 1) the control parts

ESTIMATION TECHNIQUES

- Perhitins low - "with expans) to as to fill the time another its completion" -brash's low-"Adding morphise to a late populational it lider." "9 wen cost may a body in a granth."

-Hofstader's low-"It duals tone layer that you expat, even wen you take two account totalers low."

May Stary Cor Christin belongs (Blem). Algorithmic model Expert judgerent. And less Adams whether a overlight Price-to-war 700-Davin Bottom up.

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COCATO Apples to Organic (Small kenny good exp). Somi-dotected (nedlan lean, mixed exp) Embodded-tryth constraint

Basic COCONO

- Computer softwee development effort and cost or or function of program size.

- + Good for quite extrate of cost. - One six account for hadrone constant, experience, we of movem Good.

Intermediale cocours's

-Computer Stave development effort as funda of program size and a set of "cost downs" that include Subjective associations of product, hadware parsonnel and project attributed.

-Project Attributes: Product, Hardward, Revionell and project attributed

Detailed Cocamo

-Incurported all chaodiciplis of the internediate versions with an askelling of the both of the softwar engineery proposed - 5 phones each with sparific culti:

Dlan and requirerest-Syllom Detyin Detailed Belgin Module are and Fell-Integration and took