

Software Process +3年大月7 test

divide and link

divide into small

pieces to manage.

+ documentation

L. 東3前年 code

Tome Problem

Specification

Stopping rules

correct/wrong

南definite 图果

X-定有答案

testing until best

wrong right

wrong right

ex: math

Wicked Problem

Specification

solution

always can do it better

Chess playing

Subjective

Lyjnst don't like it
not it is wrong
\* ho right to be wrong
ex: 軟体開發
經濟改革、政策
\* 大能載舟

古、能養舟

商家不同、后類不同

A learning define what & need say no but not offend the user

Software Paradigm

Derocedural paradigm

Larrefind by lower process

A process ex DFD

- △ 0-0 Paradigm 山相互開聯的Objects A Object
- Data-oriented ex: DRD

  A data entities

  A relationship

Agile Methods

△Dynamic System Development Method (DSDM)

La Framework work with XP & Rational Unified Process

Lo 80-70 principle

agile / plan-driven project

\* All things are important 時間有限、最重要先は

△ Feature Driven Development (FDD)

Feature/model driven

Li 配置管理、
review and inspection、
regular builds
Li agile/plan-driven project

A 55 階段

△ Scrum (- 堆 meeting)

Lo Scrum Master Product owner Team

Lo 15 mins meeting/A

Le team rotrospect

△ Scrum (cont.)

Release planing meeting product backlog:確定.優先考慮無非 sprint:確定這次increment.再支付的

確認 sprint fin activites

Sprint iteration

sprint planning meeting

I what & how to build next

Larly scrum meeting La exchange status

Sprint review meeting

sincrement demo I team retrospection

Deployment

\* Sprint Zn4週

△ Extreme Programming (XP)

Anyone can change any code anywhere at any time.

Integration & build many times a day whenever a task is completed.

工作時故人和加一週

Exploration = 資訊蒐集、可行性評估

Planning: 下分版本的 stories, plan

Iteration: 架構、implement、test

productionizing=詩估性能 test

Maintenance:改善當前版本(維護)

Death = documentation

not a code but helpful
easy to find for and
design it correct.

\* Leveling Balancing
What the systen does,
not how it does it.

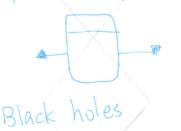
\* graphical logical

process \* V.

Data store \* 複数

Contide not part of system

Spontaneous generation





Gray holes \* 特所問. 最難执

Wrong by Problem domain 系統開發頭域 ex. 選課系統(教育)

Lo student, teacher & graphical technique

let other understand easier is useful information

\* base on fact-finding results

Context diagram 内有process O 系統關聯(環境)圖 就是系統本身.非系統 型 daigram O 不-定事平衡 一直往下抵解 process 直到 Functional Primitive 民户開始課意 code 無需其他解釋即可理解 IS not a what Show what how dependent on system

data flow 一个交叉用跳線

Data Dictionary

Lata store、flow的内容

Liagram element (name、id...)

及所有用到的名詞其頻率

ensures data consistency

提供組取system的全面資訊

all data be sorted

easier be used

Pseudocode 1為 code DFD structure english (寓覧法) 主意縮排 用簡單的英文即可

PLLP (four-model approach)

- 1. Physical current
- z. Logical current
- 3. Logical new
- 4. Physical new but added time and cost

Project Management a business needs

a feasibility

o request

△ select project

La different purpose

different choose O breakdown 架棒

山甘特圖

a network diagrams

a use-case

D 52th workplan

\* planing & controlling

正確、時間、預算 task < monitor control

人一協調 business needs - project 人顧客面 技術面

Business Value Tangible·有形 可量化) - Intangible:無形

(不可量化) 米想辦法將無形 轉成有形價值 Show to bass.

System Request (\$14)

a project sponsor

a business need La reason

a business requirement

Lowhat system will do a business value

La organization benefit

a Special issues

Feasibility

△技術う

A 經濟: NPV = PV Benefits - PV Costs (Cumulative NPV)

ROI = Total benefits - Total costs/Total

Break-even point=第一切由負轉正的 (yearly NPV- (umulative NPV)/yealy NPI

△組織(stakeholder) Lin再加上已过年數才会是答案

Selection

Value added us. risk

Maximize cost/benefit ratio

**米**資源有限

Project Management Tools

·Work breakdown structures

(MBS) 一時間、狀態、前置作業

A Network diagrams

L. PERT, CPM

Project Effort Estimation 长用於安排 time & effort s Technical complexity factors

Environmental factors

UAW

UUCW

UUCP=UAW+UUCW

TFC=0.6+(0.01x TFactor)

EF = 1.4 + (-0.03 x EFactor)

UCP = UUCP \* TFC X EF

Effort in person-hours

= UCP × PHM

(EINE643)+(ETNE873)

個校 52, PHM = 20

=3 or 4, PHM = 28

(風險太高)else, Rethink project

Staffing the Project 来定需非人牧 降低幼行行空

Creating & Managing the workplan

· Workplan - dynamic / sequential list of all tasks

& Approaches

→修改/完成 project

從用到的 Methodology 推導tasks

a Unified Process

→ Iterative & incremental Tasks / 時間間格 follow the Phases

每个工作流執行不同任務

Scope Management (Scope "creep")

因 requirements 增加導致 (有害影響) **只允許絕對必要的變化** 

\* Time box 時間固定, 塘村的地

D AKC 想增加要先減少

Jelled Team

3年精英圓隊,注重專案目標、

凝聚力高、复有好 members enjoy their work

Staff Plan

L + X = person-months time to complete (沒有考慮個人能力)

头人多蓍通鞋,不定钻

\* technical & interpersonal skills

Motivating People

△ 20% time rule → 7%時間放手放放

△金錢以外的 PZP表彰

a h it focus on interests

Management

更容易懂 Environment = 生產力集中、圖示、建立標準

Infrastructure : É deliverables, communication use Unified Process standard document BUJE documentation 克文嚴行

Evolutionary Work Breakdown Structures \* standard manner incremental & iterative \* Unified Process