PXL – Digital 42TIN1280 Software Analysis - Introduction
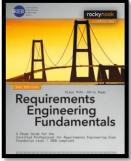
Week 02 – semester 01

Luc Doumen

Nathalie Fuchs
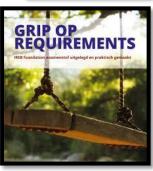
PXL DE HOGESCHOOL MET HET NETWERK

Elfde-Liniestraat 24, 3500 Hasselt, www.pxl.be

Content

- Retrospect of last week …
  - Where does Software Analysis fit in?

Retrospect of last week …

Retrospect of last week ...

Waterfall 1956 · Incremental 1960 · Prototyping 1970 · Adaptive Software 1974 · Spiral 1986 · Dynamic Software Development 1994 · Scrum 1995 · RUP, Extreme Programming 1996 · Feature Driven Development 1997 · Crystal clear 2003 · RAD 2004

Retrospect of last week …
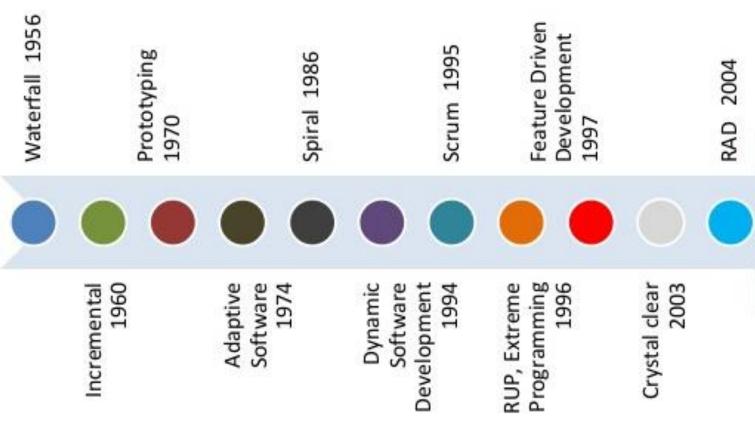
Enterprise-Scale
Adaptive (Lean & Agile)
Processes

Adaptive
(Agile)
Processes

OpenUP **FDD** **Kanban**
Crystal **Lean** **XP DSDM**
Scrum

Iterative
Processes

RAD **Spiral**
RUP
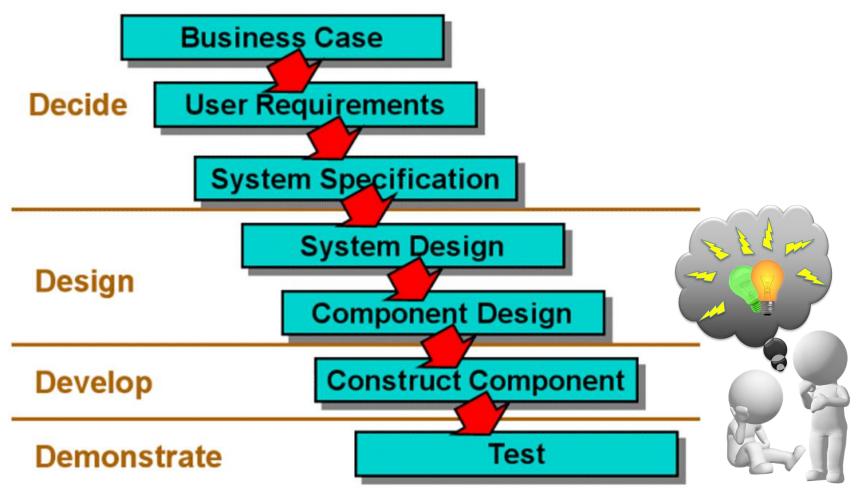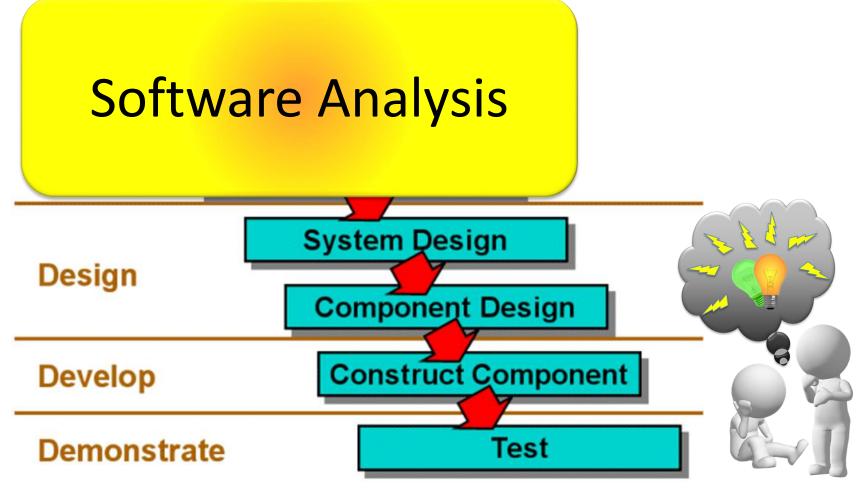
Predictive
Processes

Waterfall V-model
model

Retrospect of last week …

- Waterfall - Where does Software Analysis fit in?

Retrospect of last week …

- Waterfall - Where does Software Analysis fit in?

Software Analysis

Design
- System Design
- Component Design

Develop
- Construct Component

Demonstrate
- Test

Retrospect of last week …

- V-model - Where does Software Analysis fit in?

Retrospect of last week …

- V-model - Where does Software Analysis fit in?

Software Analysis

Operation

Acceptance test execution

System test execution

Global design

Integration test execution

Detailed design

Component test execution

Coding

Retrospect of last week …

- RUP - Where does Software Analysis fit in?

Retrospect of last week …

- RUP - Where does Software Analysis fit in?

Retrospect of last week …

- SPIRAL - Where does Software Analysis fit in?

Retrospect of last week ...

- SPIRAL - Where does Software Analysis fit in?

Retrospect of last week …

- RAD - Where does Software Analysis fit in?

Retrospect of last week …

- RAD - Where does Software Analysis fit in?

Retrospect of last week ...

- DSDM - Where does Software Analysis fit in?

Retrospect of last week …

- DSDM - Where does Software Analysis fit in?

Retrospect of last week …

- FDD - Where does Software Analysis fit in?

Retrospect of last week ...

- FDD - Where does Software Analysis fit in?

Initial Modeling

Software Analysis

Planning

A categorised Features List

A development plan

An Object Model

(more shape than content)

Model Storming

Design by Feature

Build by Feature

Retrospect of last week …

- OpenUp - Where does Software Analysis fit in?

Retrospect of last week ...

- OpenUp - Where does Software Analysis fit in?

Retrospect of last week …

- XP - Where does Software Analysis fit in?

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Retrospect of last week …

- XP - Where does Software Analysis fit in?

Retrospect of last week …

- SCRUM - Where does Software Analysis fit in?

Retrospect of last week …

- SCRUM - Where does Software Analysis fit in?

Retrospect of last week …

- KANBAN - Where does Software Analysis fit in?

Retrospect of last week …

- KANBAN - Where does Software Analysis fit in?

Retrospect of last week …

- Lean - Where does Software Analysis fit in?

Questions & answers