PPMP
Personal Project Management Process

Lecture 6B

Assignments – Please offer for Review NOW!!!

Goals of Presentation

Class Data To Date
(separate handout; actual to be sent out)
Discussion on ...
Lectures 14 (Watts Humphrey's material)
Assignments Review [topics from ...]
•
Discussion on . . .

Exercises

Chapters (except 12)

Reports

Defining the Software Process

Map of Process Features to Product Needs (Table 13.3, pg. 448)
- Process Features = Steps
- Product Needs = Prioritized Attributes

Map of Priority Needs (Table 13.5, pg. 451): Note Error in Legend
- "Process steps" should be "prioritized process attributes"
- "Product features" are actually "process features" (or attributes?)

Process definition strategies (pg. 457, next to last paragraph)
- Strategies mentioned: top-down, bottom-up, focus on "controlled" processes
- How do these compare to Watt's mentioned software design strategies?
Defining Software Process (cont.) Process Definition

Steps in defining a software process

- Determine agent needs and priorities
- Define process objectives, goals & quality criteria
- Characterize the target process
- Characterize the current process
- Establish the development strategy
- Define the initial process
- Validate the initial process
- Install and enhance the process

Is there a Process Definition Framework?

- What should it contain?
- Is there anything that comes close?

Step definition "exit criteria" (gleaned from Sect. 13.5, pg. 460)
- "terms that will be clear later"
- "a simple summary" preferred over great detail
- "just the level you need to guide your work"
- "provides helpful reminders and useful guidance"
- "convenient during intense use but also helpful when you need guidance and reminders"
- "start simple with a simple process and gradually enhance it"
- "trial definitions"
- "forms must capture the essence of the task being performed"
- start with "a simplified form and then elaborate, revise, enhance"
- "focus on current needs"
Agenda

Discussion

⇒ Watts Humphrey's Material Lecture 14 ⇐

Assignment & Exercise Details

⇒ Assignments Review ⇐

Watts Humphrey's Material
Delivery of Your SE Project

Submit documentation, testcases, files, etc. on paper (if feasible) and electronically.

Individual Critique (Due at Final)

Contents and weight

1. Class/Project/Exercise process [improvements] (40%)
2. Product improvements in YOUR project (20%)
3. What does "Software Engineering" mean to you (20%)
4. Advantages/Disadvantages of PPMP for YOU and for Software Engineering in general (20%)

References For 3:


• A Discipline for Software Engineering, Watts Humphrey, Addison Wesley, January 1995
Individual Critique (cont.)

Length: 4-8 pages (+/- a factor of 2) recommended, but not absolutely required. Do NOT use very small or very large fonts.

Main Questions:

1. When we do the course again (either in regular semester or summer version, be specific), how would we do it better, and how does that relate to the software engineering principals in the course?

2. What improvements are recommended to your Software Engineering project's PRODUCT.