

PPMP/665 PSP-like Assignments

Document Generation

Goals of Presentation

The problem

Develop documents that support the project work being performed as a source for the PSP-exercise data

The process: analogs for

- Planning: Just like PSP, except
 - size is in sentences; document types
 - write requirements statement
 - list of questions generated to be used in test
- Design => Outline (or any other written technique)
- Code => Write
- Compile => Check
- Test =>

The Process – Code => Write

Entry of document into an “intelligent” word processor (WP) with grammar and spell checking

WP settings

- Spell checking
 - Do not check as you type
 - Hide spelling errors in document
- Grammar checking
 - Do not check as you type
 - Hide grammar errors in document

The Process – Compile => Check

Turn on Spell checking with Grammar checking

- Record each defect (=change you make) along with regular information
- Defect categories: enter your type categories in in form

Capture the statistics for the document

- “Show readability statistics” must be ON
- After completing the check, record the number of
 - sentences
 - paragraphs

The Process – Test => Test?

During planning (part of requirements)

- Prepare a list of the questions reflecting what you want the reader to get out of the document:
 - major points
 - items and values

During testing

- Have peers (of the intended audiences)
 - read the document
 - answer the questions
 - o directy
 - o by reference to the document for details
but NOT re-reading it
- Remember to record the time your "test engine" uses to read the document and answer the questions.

The Process – Test => Test? (cont.)

Fixing defects

- You may have automatic spell and grammar checking on, but NOT automatic correction;
record ALL new defects (=changes) that show up
- After fixing all defects
 - Re-check the document (spelling and grammar)
 - Record readability statistics:
number of sentences and paragraphs