



SWINBURNE
UNIVERSITY OF
TECHNOLOGY

SWE20001

Managing Software Projects

Lecture 3c

Writing Goals and Objectives



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Goals and Objectives – Usual Meanings



- Goal = something that you want to achieve
- [In Dictionary] Goal = Objective (n.)
- A goal → more on the high level stuff, generic
- An objective → more on the low level stuff

- WHAT to achieve, not how

Goals and Objectives (Trad. PM vs Scrum)



Traditional PM view

- Goals = what the team wants to achieve via the entire project
- Objectives = lower level goals

Scrum view (check Scrum wiki)

- Product Goals = what the team wants to achieve via Scrum
- Sprint Goals = what the team wants to achieve in one sprint

Writing Objectives – Be S.M.A.R.T.



- Specific
- Measurable achievement
- Achievable
- Realistic
- Time terminated (bounded)

Ticketing system must allow passenger to enter platform within **2** seconds of presenting Myki

Enable **all** students to be able to submit special consideration requests **on-line** and receive outcome within **24 hours**

I can climb to the summit of Mt Everest **in three months** time (?)

Goals (Non S.M.A.R.T.)



- Usually high level stuff (e.g. for the entire project)

Example – Peer Review System (Trad. Project Goals)

- Allow students to submit their peer review online
- Improve the effectiveness of the peer review process
- Reduce the convenor's manual and, hence, error-prone processing of the peer review results

Writing Goals for a Sprint (Sprint Goals)



– Example – Peer Review System

Sprint Backlog Items (Sprint #1)

[Assume only has two items]

1. Allow a student to submit his/her peer review assessment of another student via the online peer review form
2. Allow a convenor to configure the peer review form of a unit

Sprint Goals (S.M.A.R.T.)

- After this sprint, the team should be able to integrate the following two features into the main system for actual use
 - ☐ Submit peer review assessment via online peer review form
 - ☐ Configure the peer review assessment form of a particular unit

Note: **Assume** these items are OK for now

Writing Goals for Sprint Backlog Items



– Example – Peer Review System

Product / Sprint Backlog Items

**S.M.A.R.T.
enough?**

- Allow a student to submit his/her peer review assessment of another student via the online peer review form
- [A student is to submit a peer review record of another student to the system, ...] a proper message will be display within 1s after the student clicks the submit button
- A student without any prior experience on peer review submission should be able to “submit” his / her assessment within 10 minutes after the form has been displayed



Writing Goals for Sprint Backlog Items

– Example – Peer Review System (cont'd)

Product / Sprint Backlog Items

S.M.A.R.T.
enough?

- The system should be able to allow 10 students submitting their peer review assessments at the same time
- Allow a student to modify his/her previous peer review assessment of another student via the online peer review form
- Once a student id is submitted, the system will display the original peer review assessment of this student previously entered by the user within 2s
- ...