

High performance. Delivered.

TU München
Applied Software Engineering
Prof. Bernd Brügge
Lecture Software Engineering II, SS 2006

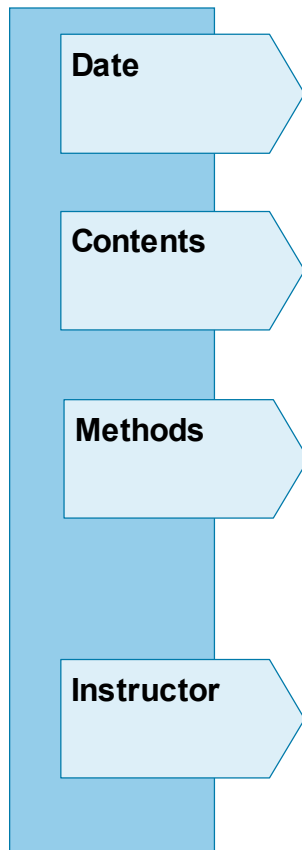
Accenture Exercise 2 – Project Estimation

Agenda

- Introduction (10 min)
- Preparation Case Study (30 min)
- Presentation of the Results (30 min)
- Discussion of the presented Solutions (20 min)

Exercise 2:

Project Estimating



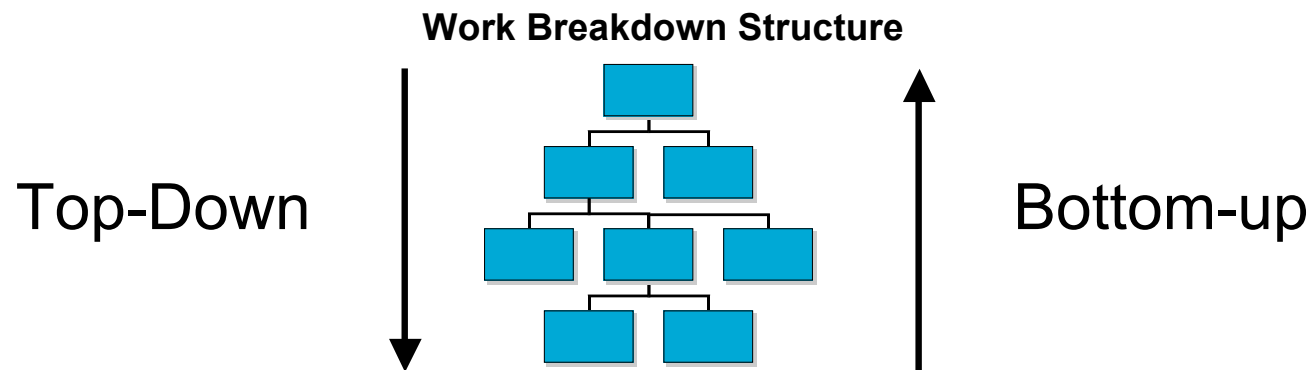
- 24 May 2006
- 15:00 - 16:30
- Recap Work-Breakdown Structures
Based on a project case example...
- Estimate a project based on given project case information
- Case based
- Group work (results were developed in small groups as homework)
- Selected groups will present their results to the auditorium
- Discussion / feedback of these results with the instructor
- René Ludwig
- (Consultant, Accenture Munich)

Why is estimation work necessary?

- Certain situations require estimations
 - Planning (first guess of costs and time)
 - Decision (basis of financial decision reasons)
 - Controlling (review of the baseline)
- Possibility of estimations
 - Costs (personal (PD, valued), Material, Extracosts)
 - Time (Duration, Dependencies)
 - Personnel (number, skills, ...)
 - Infrastructure (rooms, network, PCs, ...)

How are estimations done?

- Two general approaches possible



- Expert Expertise
- Function Point Analysis
- COCOMO
- Alternative Approach

Exercise

- Basis WBS Example Solution
- Estimate the effort (hours and PDs) of the activities
 - “4000 Enhanced Developer Telecommuting Methods & Procedures”
 - “5000 Enhanced Developer Telecommuting Training Program”of the *Advanced Developer Telecommuting with Arena Services*
- Determine and document assumptions where necessary
- Make use of the given estimating factors
- Documents with information to complete the exercise tasks:
 - Problem Statement (ADT_ProblemStatement.doc)
 - Project Agreement (ADT_ProjectAgreement.doc)
 - Work Breakdown Structure (ADT_HW1_WBS_Solution.xls)
 - Estimating Factors (ADT_HW2_EstimationFactors.doc)

Present solutions

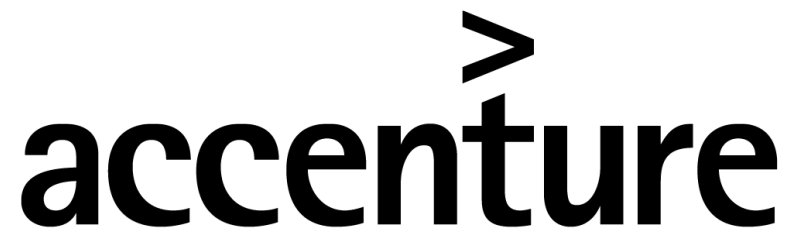
- Present the developed estimation
- Explain faced problems
- Duration: 30 minutes

Summary

- Estimations are the basis for all important project decisions
- Although mathematic based approaches are used the personal project experience has a strong impact to the estimation
- A lot of parameters have an impact to the estimation result
- Political issues have an impact to the result, corrections must be done carefully
- Peer Review is essential

Questions





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Accenture Exercise 3 – Project Organization