Project (Make a plan)

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Who am I?

- Computer Science program
- ISD Datasystem AB (6 years)
  - Developer
  - Technical Project Manager 1 ½ year
- Ericsson AB (1 year)
- PhD Student since 2002
Project environment

- Steering Board
- Change and Control Board
- Reference Group
- Internal Requirement
- Standards
- Laws and Regulations
Introduction

- Document name
- Responsible editor
- Version number
- Date
- Abstract
- Identity
- Index
1, Document description

- Document history
  - Version, date, writers, comment
- Document overview
- Distribution (Receivers of doc.)
- Abbreviations and wordlist
  - Could be last in the document
2, Project Description

- **Background**
  - Why this project has been launched, by who, context

- **Objectives**
  - List objectives of the project
  - Could be educational, not only a product
3, Time plan

- Phases
  - Gantt diagram, calendar time
  - Development model?

- Milestones
  - Must not be waterfall
  - Has goals that can be verified

- Deliveries (external deadlines)
  - Also includes documents
  - Plan for reviews and corrections
4, Organization

- Project Manager
  - External relations
- Technical Team Manager
- Configuration Manager

- Tool smith (Environment)
- Phase responsibilities
  - Requirement Manager
  - Description
  - Implementation
  - Test Manager
5, Risk analysis

- Probability, Consequences, Class
- Be proactive!
- Examples
  - Hidden (uncovered requirements)
  - Efficiency of Implementation
  - HW problems
  - Delivery problems contractors
  - Absents of people (cust,
6, Document plan

- Editor, Writers, reviewers, examination dates
- Project Plan
- Requirement Specification
- SAD (Software Architecture Description)
- Design specification (?)
- Construction Guidelines
- Test Specifications (Unit, Integration, System)
- Test Reports
- Manuals, usage descriptions
7, Version Management

- Of documents
  - Version numbering
  - How a document becomes public, valid
  - Reviews
  - Description of the documents lifecycle

- Of code:
  - Release handling etc.
8, Quality plan

- Routines for document reviews
  - Formal, “less formal”
- Unplanned inspection from external reviewers (silent ?)
- Milestone review
9, Test plan

- Continuous testing
- Continuous integration
- OR (V-model)
  - Unit test
  - Integration test
  - System test
  - Acceptance test
- Bug reporting (same as change request)
10, Report plan

- Meetings
  - External, project, group, quality
  - Types, working, informational, decisional
  - Mandate ?
- Written reports
- Archive
11, Resource plan

- Human resources
- All assets
- This is to spread the knowledge!!!
- If you write something down then someone else can tell you if they disagree.
- Assure that you get the resources!!
12, Education plan

- Tools
- Process
- How to teach next years students what you code can do?
13, Change plan

- At testing you can find pure bugs or deviations from spec.
- All anomalies shall be reported in a formal way! (e.g. Bugzilla)
  - Who found the bug
  - In what version
- It is not obvious that all bugs must be corrected.
- Change and Control Board
- Internal tests before check in