



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