Software Process

Barcelona, March 20\textsuperscript{th}, 2001
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  - Project Definition
  - Project Analysis
  - Project Design
  - Project Implementation
- Extreme Programming
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Project Definition

**Deliverables**
- Cost Estimation
- Functional Requirements
- Phase Plan (initial)
- Initial Project Plan
- Context Diagram

**External Clients:**
- Offer to Client
- Client Confirmation
- WBS y OBS
Project Analysis

- Wemo
- Wemo (initial)
- Use Cases
- Phase Plan (revised)

Deliverables
- Functional Analysis
- Wemo (initial)
- Use Cases
- Phase Plan (revised)

External Clients
- High Level Scoping
- Risk Chart
Project Design

Deliverables
- Release Plan
- Wemo (final)
- Data Model

Optional
- Software Architecture
- Class Diagrams
- Context Diagrams
- Collaboration Diagram
**Project Implementation**

- **Iteration**
- **Release Planning**
- **Acceptance Test**

**Deliverables**
- Release Plan (revised)
- Module Documentation
- Code Documentation
- Test Cases
- Development Releases

**External Clients**
- User Manual
- Operating Manual
XP Planning

**User Stories**
- Nearly the same as “Use Cases” in UML
- Summarizes the client’s view to the system
- Each user story should take 1-3w to implement
- Base for iterations

**Release Plan**
- Assigns User Stories to Iterations.
- Similar to “Roadmap” concept.

**Iterations**
- Iteration take 1-3 weeks
- An iteration starts with an iteration meeting
- An iteration ends with a “recognizably running” system.

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Release Conventions

- Releases are named using 3 digits: 0.3.2 (major.minor.bugfix):
  - Major Release: 0 for development, 1 for the first version in production, higher numbers reserved for major architectural changes.
  - Minor Release: To add new functionality. The data model stays the same during minor release.
- A subdirectory is created for every project such as:
  - “XXXXX Project Name”
  - “0002 Casex Intranet”

- Each Project folder contains Phase subdirectories:
  1. Definition
  2. Analysis
  3. Design
  4. Implementation
  5. Operations

- The files in the Phase directories are named with a version index such as:
  - FileName YYMMDD.ext
  - FileName v2.1.ext

- Older files are never deleted but moved into the Garbage subdirectory.