

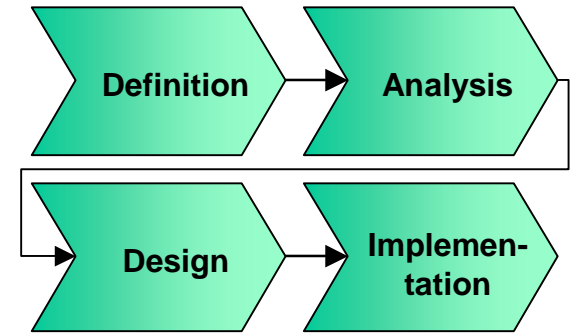


Software Process

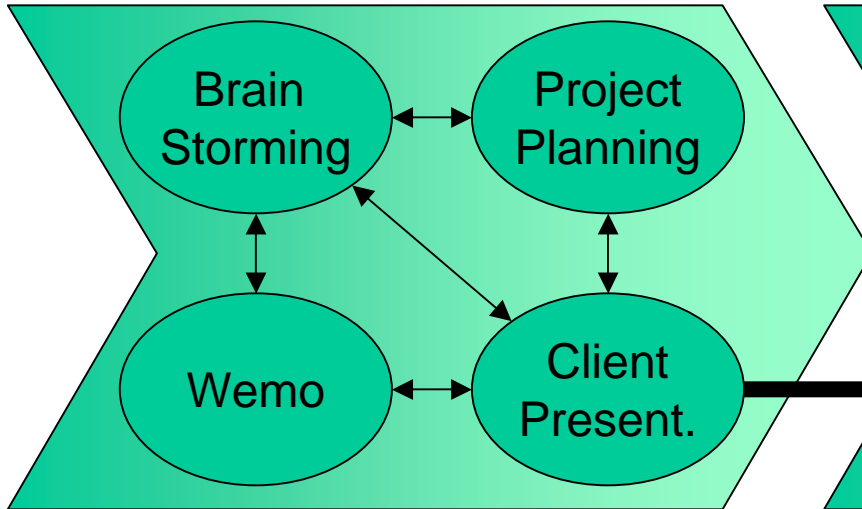
Barcelona, March 20th, 2001

Content

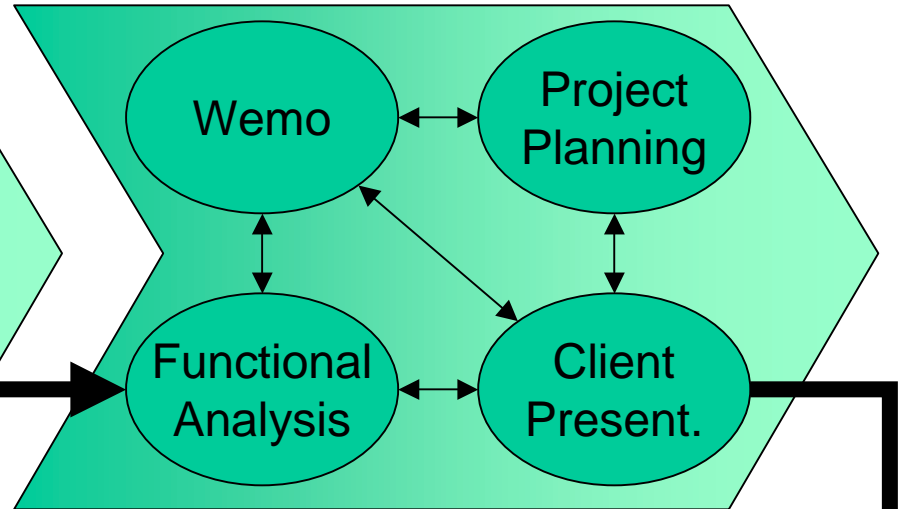
- Process Model
 - Process Model Summary
 - Project Definition
 - Project Analysis
 - Project Design
 - Project Implementation
- Extreme Programming
 - XP Release Management
 - XP Planning
- Conventions
 - Release Conventions
 - Naming Conventions



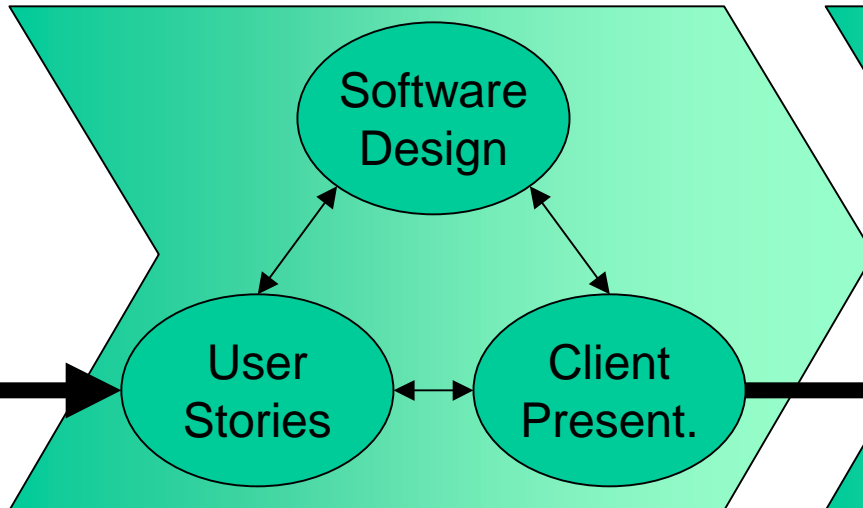
Definition



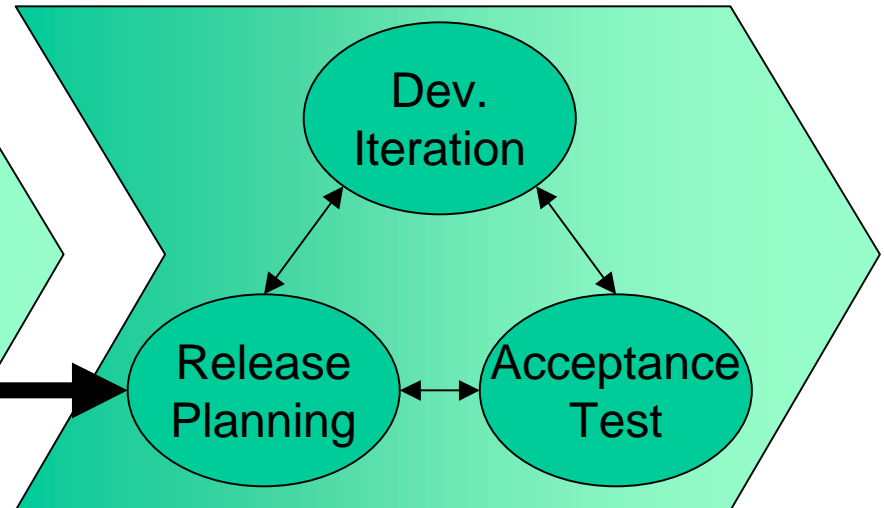
Analysis



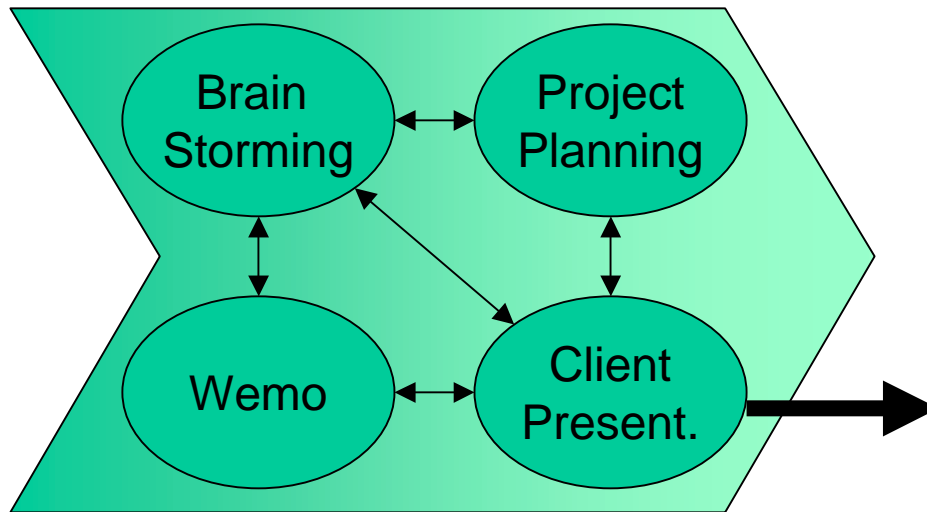
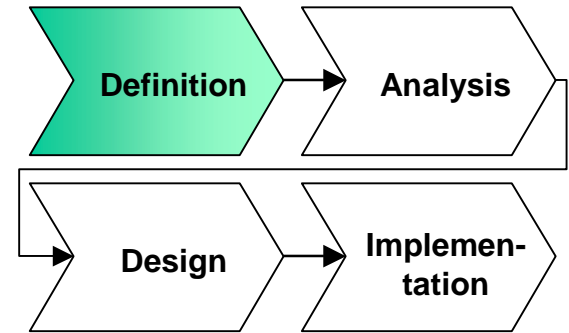
Design



Implementation



Project Definition



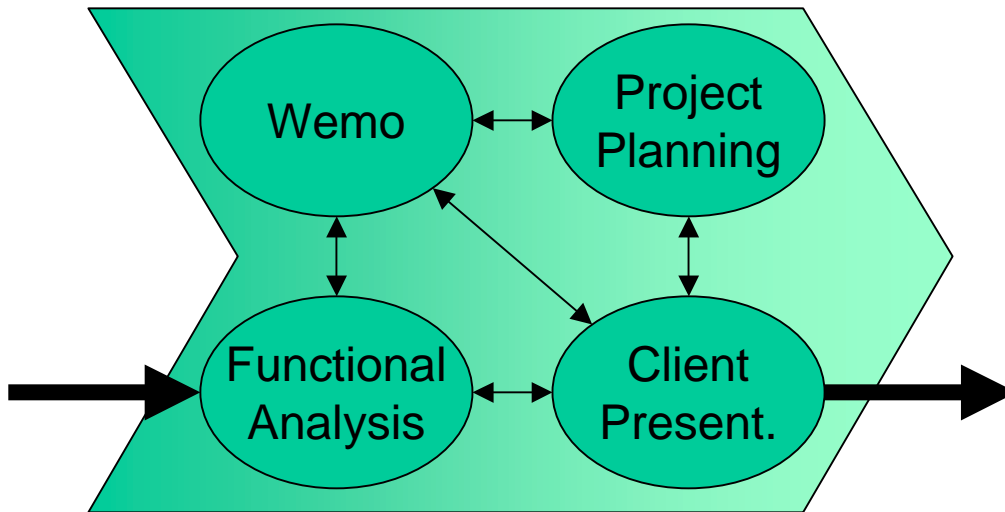
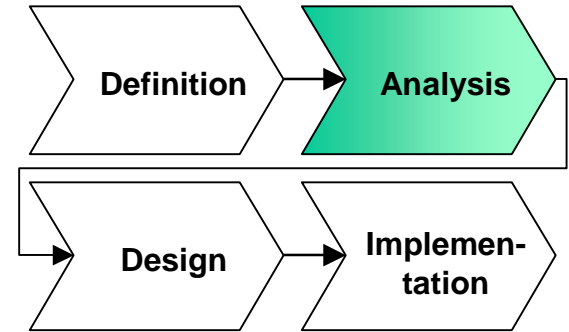
Deliverables

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

External Clients:

- Offer to Client
- Client Confirmation
- WBS y OBS

Project Analysis



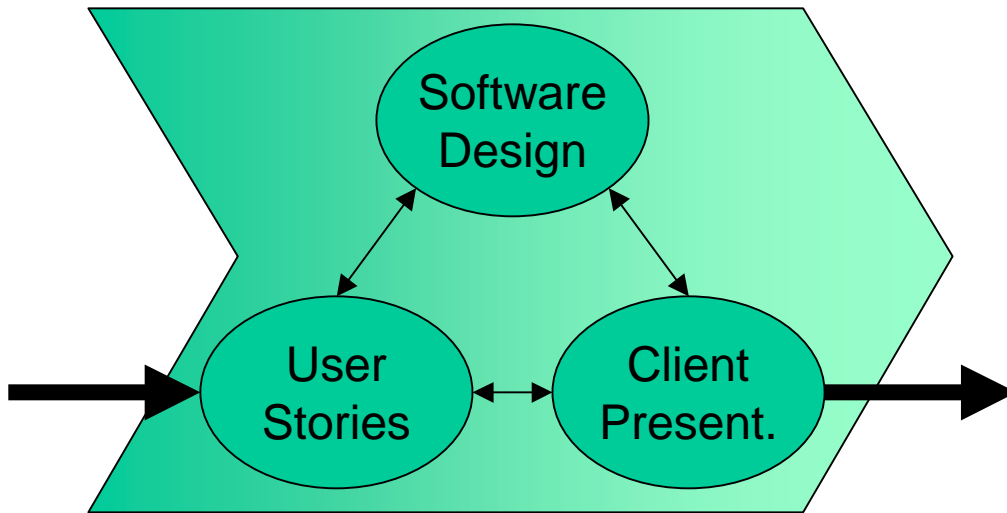
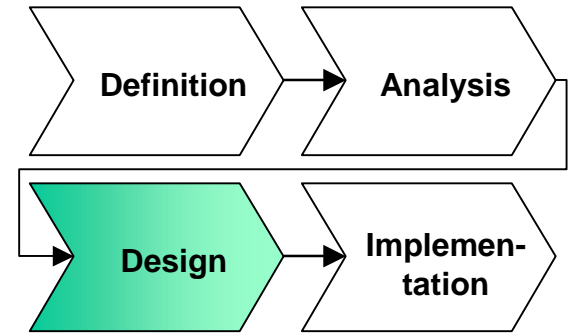
Deliverables

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

External Clients

- High Level Scoping
- Risk Chart

Project Design



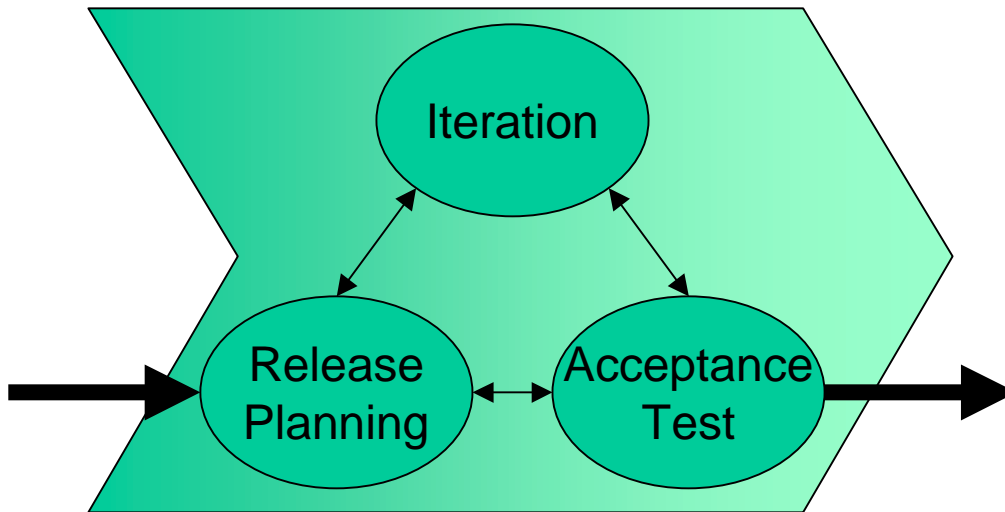
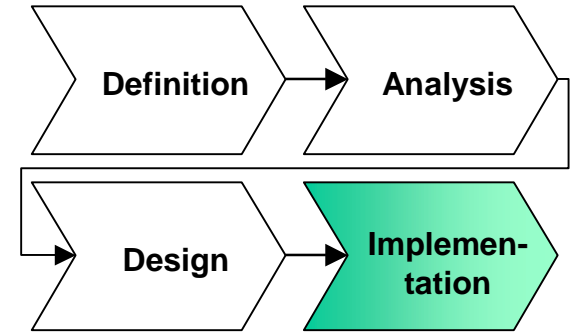
Deliverables

- Release Plan
- Wemo (final)
- Data Model

Optional

- Software Architecture
- Class Diagrams
- Context Diagrams
- Collaboration Diagram

Project Implementation



Deliverables

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

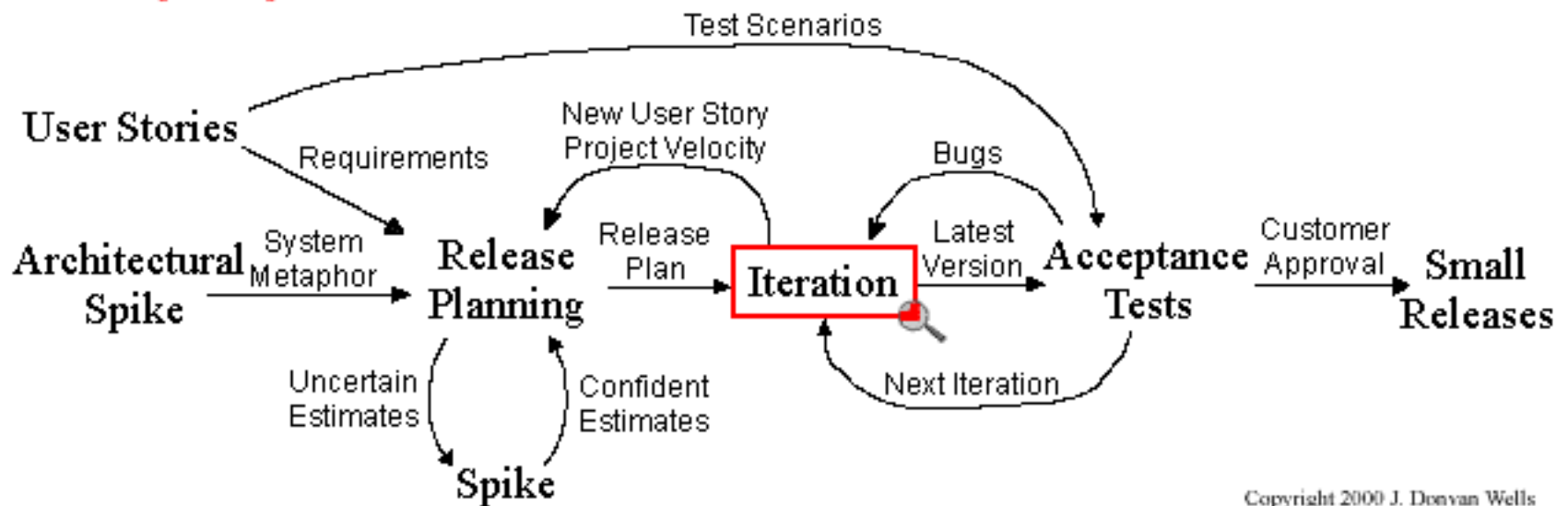
External Clients

- User Manual
- Operating Manual

XP Release Management



Extreme Programming Project



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XP Planning

User Stories

- Nearly the same as “Use Cases” in UML
- Summarizes the client’s view to the system
- Each user story 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.

Release Conventions

- Releases are named using 3 digits: **0.3.2** (major.minor.bugfix):
 - Major Release: 0 for development, 1 for the 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.
 - Bugfix Release: Fixes bugs in minor release.

Naming Conventions

- A subdirectory is created for every project such as:
"XXXX 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
or
FileName v2.1.ext
- Older files are never deleted but moved into the Garbage subdirectory.