Berner Fachhochschule
Haute école spécialisée bernoise
Bern University of Applied Sciences

Software Engineering and Design

Case Study 1 – Task 2

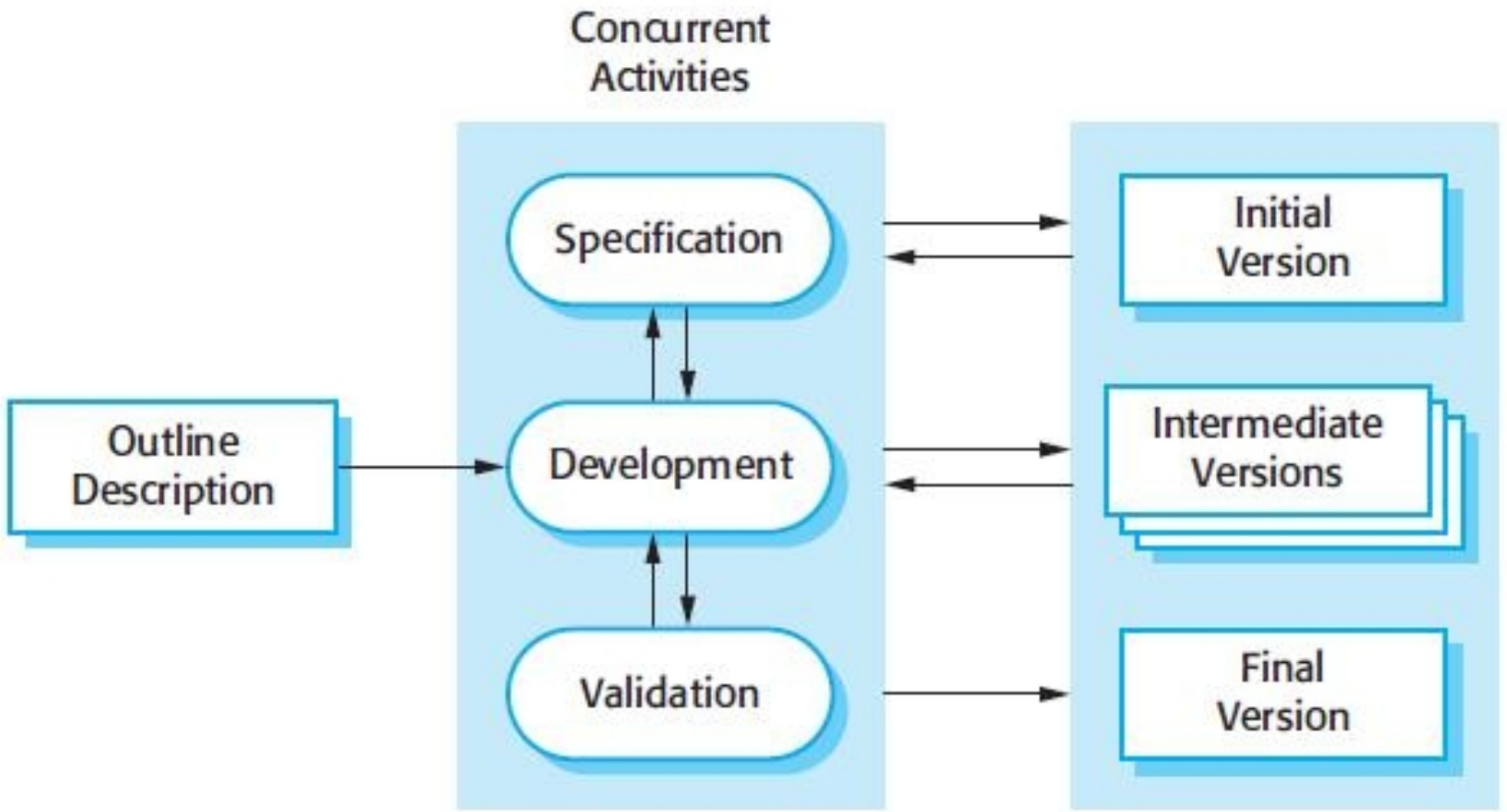
SE Process

+ pros plan-driven:

- Easier planning (team)
- User knowledge is low (team)
- Project needs a lot of documentation (first analyses)
- High security needed, needs a lot of documentation (first analyses)

- cons plan-driven:

- Customer requirements not very precise (customer)
- Customer requirements adjusted during process (customer)
- Try out for state of the art software engineering (team)
- Customer involved in software development (customer)


Concurrent Activities
Specification
Development
Validation
Outline Description
Initial Version
Intermediate Versions
Final Version

Process Model: Incremental development

	goal	task	output	involvement
specification	-Requirement specification	-Customer Interview -Requirements elicitation and analyses	-Requirements document -Component dependencies -Component priority list -Prioritizing critical success factors	-Customer, User -Team
development	-Finished component	-Component design -Database - GUI design -Test cases -development	-UML diagram -NTT relation diagram -Graphical design -GUI prototype -Test cases	-Team
validation	-Component testing -Accomplish specification	-Testing	- Test report	-Customer -Team