

TEAM YELLOW

TASK 02 – SOFTWARE ENGINEERING PROCESS

PLAN-DRIVEN VS. AGILE

Are detailed specifications needed?

Tasks are given —> agile

little specification: role concept, security, reporting

Is an incremental deliver strategy realistic?

Yes, weekly meetings with the customer. Product Owner in team has contact with customer —> agile

How large is the system being developed?

Relatively small, development phase of < 6 months —> agile

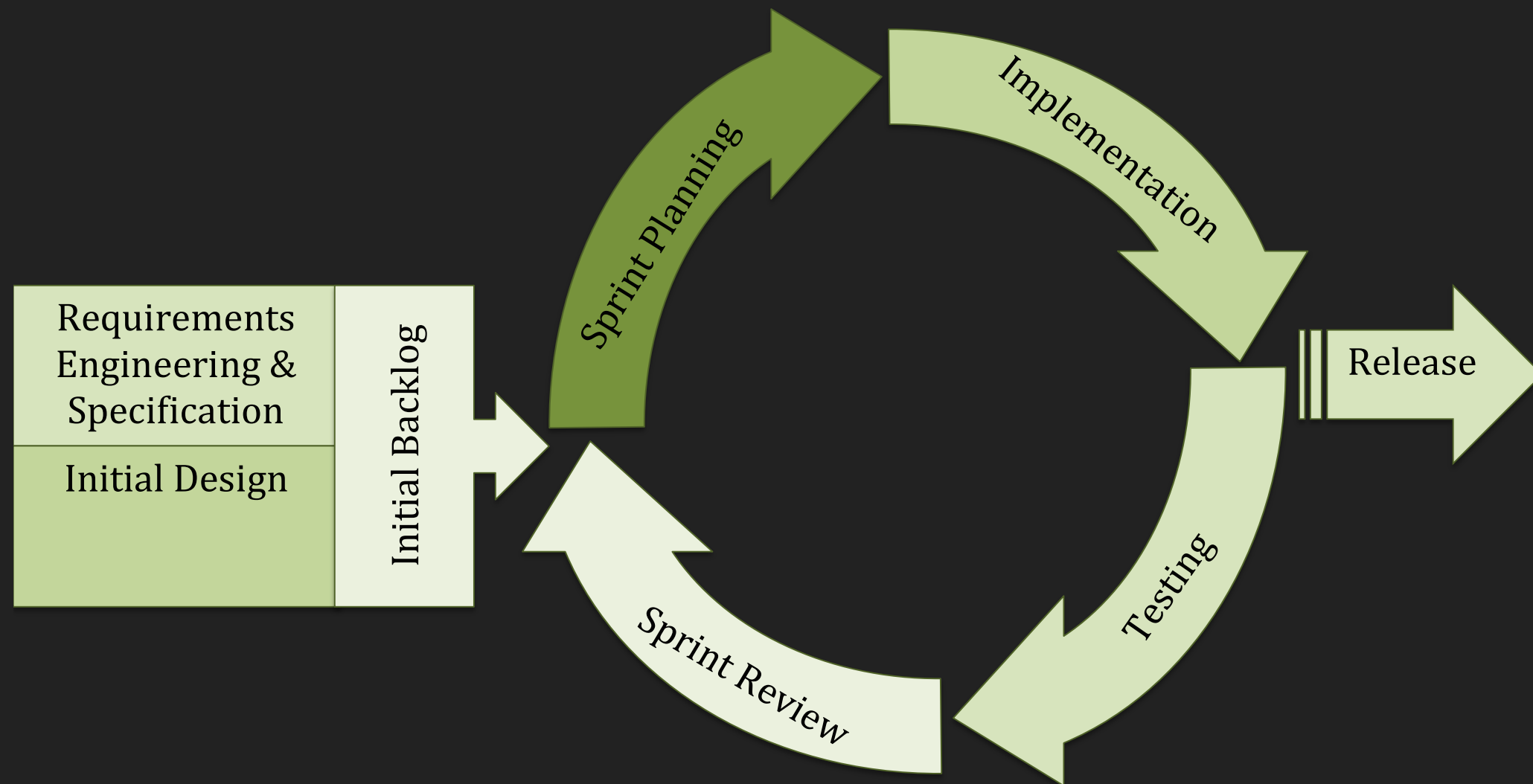
How is the development tool organized?

Informal, weekly meetings in school —> agile

Is the system subject to external regulation?

Yes, there are medical health laws affecting the software —> plan-driven

PROCESS MODEL CYCLE



PROCESS MODEL – PART 1 (RE, PLANNING & DESIGN)

activity	goals	tasks	output(s)	interaction
requirements engineering	clarify requirements	<ul style="list-style-type: none">- talk to customer- write specification	specification	users <-> business analyst
app design	define application design and architecture	<ul style="list-style-type: none">- write design documents	<ul style="list-style-type: none">- data model- class diagrams	devs<->devs
fill backlog	define user stories	<ul style="list-style-type: none">- define user stories	user stories	product owner

PROCESS MODEL – PART 2 (SCRUM SPRINTS)

activity	goals	tasks	output(s)	interaction
Iteration - Sprint Planning	define sprint	- meeting	sprint backlog	devs, product owner
Iteration - Implementation	implement all task	code	- functional code, documentation	dev
Iteration - Testing	functional application	create unit tests, find bugs	Unit tests, bugs for next sprint	dev
Iteration - Sprint review	evaluation, showcase, user feedback	meeting	user input for next sprint, validation	users, product owner, dev