Task 02 – Software Engineering Process

Agile vs. plan-driven approach

1. Is it important to have a very detailed specification and design before moving to implementation?

*Only for the role-concept, security part and the reporting feature. The other parts are similar to a lot of other person management systems.*

1. Is an incremental delivery strategy, where you deliver the software to customers and get rapid feedback from them, realistic?

*It is realistic if there is a product owner available in the software development team and for every user role, at least one attendee for the regular review meeting.*

1. How large is the system that is being developed?

*Rather small, just a few views and little complexity / clear requirements*

1. What type of system is being developed?   
   *Medical system, critical health data and processes. Plan driven.*
2. What is the expected system lifetime?   
   *Long, therefore we need a plan-driven process.*
3. What technologies are available to support system development?   
   *Source Code Management System, Eclipse, no Continous Integration.*
4. How is the development team organized?

*Weekly meetings in school. New task and requirements arise weekly –> agile method*

1. Are there cultural or organizational issues that may affect the system development?

*No expierence so far. 🡪 Both agile and plan-driven are possible.*

1. Is the system subject to external regulation?

*Yes, there are laws that affect the development of the software. 🡪 plan-driven*