

Initial Situation – Example

- ❖ Doctor in a primary school periodically examines primary school students
- ❖ (S)he has to report the results of his examinations
- ❖ (S)he has to inform parents about the health situation of their kids
- ❖ (S)he has to refer students in more severe health conditions to a specialist
- ❖ Paper work takes around 60 % of his /her time
- ❖ Data retrieval takes another 20 %

Initial Situation – Example cont.

- ❖ Documentation of examinations can be done computer assisted
- ❖ Reporting and parents information is then generated
- ❖ Medical history of students is persisted automatically

General Conditions and Constraints – Example

- ❖ The information about the medical condition of the students is strictly confidential
- ❖ The GUI of the information system must reflect the doctor's standard forms to minimize scepticism from the user side
- ❖ The application must have a small memory footprint (max. 100 MB disk space, max. 50 MB RAM) and a local database
- ❖ A backup concept is mandatory
- ❖ The application is multi-language capable (English and German)

Project Objectives and System Concepts – Example

- ❖ The doctor is documenting the examination results while examining the students
- ❖ Input form assists her/him to input information in a structured and easy way
- ❖ Common situations (need for vaccinations, check for need of dental brace, etc.) are a one-click-job for the doctor
- ❖ Info sheet for parents can be printed right after examination
- ❖ Report is a one-click-job at the end of the day

Opportunities and Risks – Example

- ❖ We could save 80 % out of the wasted 80 % bureaucracy work
 - ❖ Besides increasing the time for child care more schools can be serviced by one doctor (-> cost reduction of public health care)
- ❖ Doctors do not use the system because of technology scepticism