

Conclusions and Future Works

Specifying requirements is one of the most important phases of software life cycle. Its significance can be proved by lots of successful and failed projects [19]. Moreover, huge costs of changes in further phases are often a result of improperly performed requirements engineering process [19].

This paper provided a basic overview of software requirements in telementoring domain. Contradicting arguments about current situation were presented, pointing out the need of changes [4]. As telemedicine is gaining in recognition, it is quickly spreading globally, overcoming borders and distance. The paper escalated a problem of defining a basic set of guidelines for software and hardware products for guiding developers towards one direction. Telestration software was used as an example representing a wide spectrum of requirements in telementoring. The defined guidelines support our hypothesis that having the same initial assumption as the initial point for development process should increase the compatibility of the final solutions. The paper also introduced some new features for telementoring software. We focused on the idea of introducing mobility to medical mentoring, allowing more flexibility in working conditions and ensuring higher reachability of domain experts. In addition, by performing this research, we were also looking forward to a possibility to use more common hardware (including personal computers and mobile devices), while current telemedicine tools are usually limited to equipment by a particular vendor. Changing to regular hardware would have an impact on extremely high prices of the overall product, resulting in faster spread of technology.

We admit the weaknesses of the research, as the results were stated with no direct analysis of telemedicine software. However, the opinion of actual stakeholders, we interviewed, was highly appreciated and allowed drawing the guidelines for the research to improve telementoring software.

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