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Projekt name: MDT Prototype
Author: Mikael Berglund

Master Thesis proposal from RxEye

Supervisor

Supervisor: Mikael Berglund, Product Specialist. Mikael.Berglund@rxeye.com, +46 701 72 92 53

Eva-Lena Engman, Program Manager ExDIN. Eva-lena.engman@rxeye.com, +46 739 26 20 70

Project description

Aim of the project

The aim is to develop a functional prototype for a web application to support multidisciplinary therapy meetings workflow in diagnostic imaging within healthcare.

Description of project

The newly founded company RxEye is coordinating the national project ExDIN, which aims to create cooperation between healthcare providers regarding expertise competence, capacity and multi-disciplinary teams in image diagnostics. ExDIN is based on the fact that new forms of cooperation surrounding competence and resources are required since the field of image diagnostics is facing major challenges that the current healthcare structure cannot handle. Image diagnostics often constitutes a "bottleneck" in the healthcare workflow since there is a substantial lack of resources among radiologists and pathologists. ExDIN sees great potential in several organisations cooperating in networks to share competence and resources. See ExDIN.com for more information.

Healthcare, academia and RxEye have collaborated on developing an advanced concept for multi-disciplinary therapy meetings. The next step is to develop a functional prototype, to test radical innovative ideas which can be tested and evaluated iteratively within healthcare.

This requires good knowledge of programming web applications and prototypes, preferably in softwares such as iRise or similar. The project includes:

- Analyze the requirement specifications
- Implement the requirements and own ideas in close collaboration with workflow specialists, healthcare and RxEye
- Design system architecture, user access control and multi user interfaces
- Present prototypes to end users in healthcare
- Take in feedback for iterative development
- Develop a proposal for requirement specification to RxEye

If successful, the prototype will strongly influence the software development at RxEye. This project can be conducted by up to 2 students.

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About RxEye

RxEye is a modern web service that makes it possible to exchange services and expertise between different hospitals and physicians quickly and securely. As a result, resources are utilised more effectively, waiting times are shortened and patient security is enhanced. RxEye (founded in 2010 in Stockholm) is a fast moving eHealth startup that has a strong focus on developing revolutionary workflows for healthcare, with the patient in mind. Read more at <http://www.rxeeye.com>

