Weekly report #8

Status report

Date	06-04-2014
Week	14
Group	CAPGEMINI_EMR_integration

Introduction

Sprint #5 was started this week.

Progress summary

This week started with the group needing to agree upon a change in the application architecture. We realised that our initial solution to how we communicate with EHR server was not modular enough. We agreed that a android service, next to our application, was the way to go.

A lot of effort has been put into getting patient info pulled from a dummy DIPS server. This has been harder than expected since the documentation of the DIPS server is not very good, and it's coded in C#, which we alongside everything else, have to learn.

Work has also been put into encryption of the SQLite database. We're trying to encrypt it using a library called SQLcipher. If we manage to make it build with Maven the rest of the implementation should be fairly straight forward. We've also discussed if androids whole-phone encryption is enough, in terms of security, if SQLcipher won't work with Maven.

Open / closed problems

Pulling data from the DIPS server has been challenging and a lot of time has been spent on research and learning the API.

Solved problems

- **EA-123** - Støtte for redigering av examinations i database `RESOLVED`
- **EA-125** - Slette examinations i homescreen `RESOLVED`
- **EA-121** - Implementere mulighet for autoscaling av tekst i textviews `RESOLVED`
- **EA-135** - Lese om "Encrypted Storage" i Commonsware-boka `RESOLVED`
- **EA-128** - Implementere logout button i homescreen. `RESOLVED`
- **EA-127** - Lage Intent Interface for å starte EMRApp `RESOLVED`
- **EA-132** - Redigere examinations fra homescreen `RESOLVED`
- **EA-80** - Finne løsning for kryptert lagring av deler av data `RESOLVED`

Open problems / In progress

- **EA-116** - Implementere SQLCipher `RESOLVED`
- **EA-131** - Implementere funksjonalitet for sletting av bilder og database ved endring av settings `IN PROGRESS`
- **EA-137** - Lage AIDL for kommunikasjon med Service `RESOLVED`
- **EA-71** - Teknisk personell må kunne sette et passord ved førstegangsoppsett `RESOLVED`

Planned work for next period

Finish sprint #5 and try to complete a lot of the remaining issues before group members leave on easter vacation.