Oasis: Part of the GIRAF System

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Agenda

- Multiprojekt Beskrivelse
- GIRAF Arkitekturen
- Udviklingsmetode
- Oasis
- Testing
- Reflektion
- Konklusion
- Demonstration

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Multiprojekt Beskrivelse

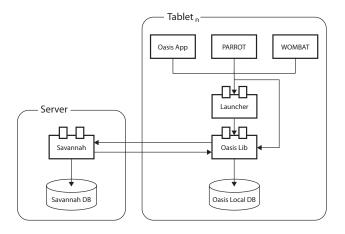
- Flere grupper
- Videreudvikling af tidligere projekt (GIRAF)
- Hjælpeværktøjer til børn med ASD og deres pædagoer

"How can we ease the daily life for children with ASD and their guardians, while complying with the study regulation?"

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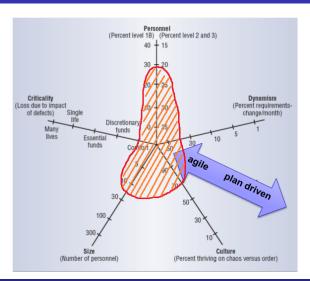
GIRAF Arkitekturen

Android



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Hvorfor Agilt?



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Scrum of Scrums

- Godt til et multiprojekt
- Hvert team er selvorganiseret
- Scrum Modifikationer:
 - Kortere sprint længde
 - Ingen Scrum Master eller Product Owner
 - Scrum of Scrums møde

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Oasis

- Problem Definition
- Krav
- Valg af Database Model
- Systemet
- Local Db
- Library
- App

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Problem Definition

Problem Definition

"How can we provide a set of tools, which can help develop applications for the GIRAF system?"

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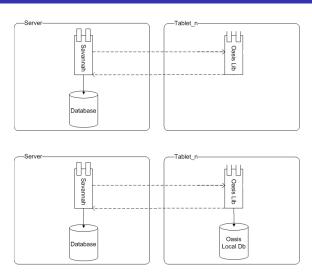
└Krav

Krav

- Håndtering af:
 - Adgang
 - Profiler
 - Afdelinger
 - Medier
 - Tags
 - Apps

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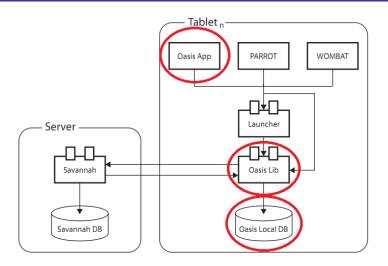
Valg af Database Model



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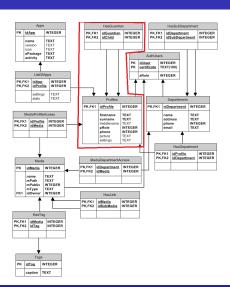
Systemet

Systemet



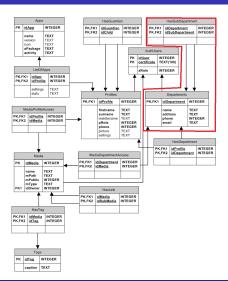
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Profiler



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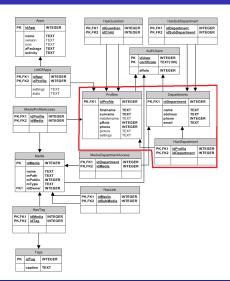
Afdelinger



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└─Oasis └─Local Db

Profiler/Afdelinger

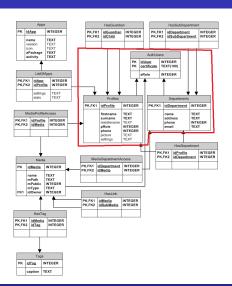


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Oasis

Local Db

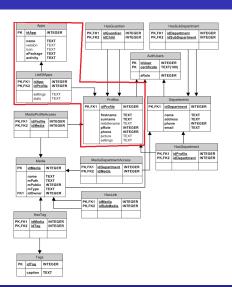
Certifikater



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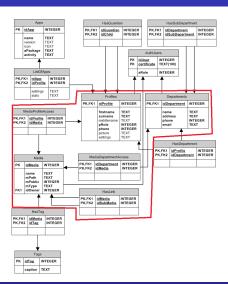
└─Oasis └─Local Db

Applikationer



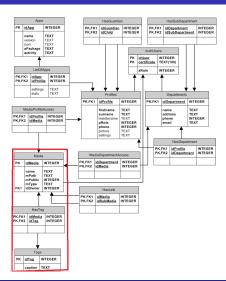
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Medier



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Tags



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Local Db

- Vedligeholder rækker i tabellerne
 - Opret
 - Læs
 - Modificer
 - Slet

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Library

Library

- Bindeled mellem apps og databasen
- Tilbyder hjælpefunktioner
- MVC struktur
- Skal distribueres med hver app
- Synkroniser med Savannah
 - Ikke implementeret

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App

 \sqcup_{App}

- Demo app
- Anvender Library'et
- Giver administrations muligheder

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Testing

- Unit test
- Usability test

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Unit Test

Unit Test

- Dynamic white box tests
- Test-to-pass/test-to-fail
- Test af library og database
- 88 ud af 89 bestod

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Usability Test

Usability Test

- Test af app'en
- Ekspert test
- IDA test

Issues	Description
Cosmetic:	Profile id was showing.
	"Add child" not clear how to.
Serious:	Too many options, missing the overview.
	Difficult finding a child profile.
Critical:	Data availability unclear.

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Reflektion

- Scrum erfaringer
 - Svært at isolere sig
 - Tilføjelser til sprint backlog'en
 - Unit test blev nedprioriteret i forhold til nye opgaver
- Test erfaringer
 - Unit test skulle ikke nedprioriteres
 - Integrations test blev udført løbende

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Konklusion

- Multiprojekt Beskrivelse
- GIRAF Arkitekturen
- Udviklingsmetode
- Oasis
- Testing
- Reflektion

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Demonstration

■ LIVE demonstration af Oasis App'en

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