### 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

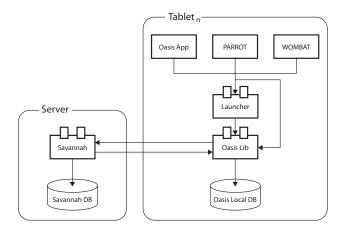
- Flere grupper
- Videreudvikling af tidligere projekt (GIRAF)
- Hjælpeværktøjer til børn med ASD og deres pædagoer

"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

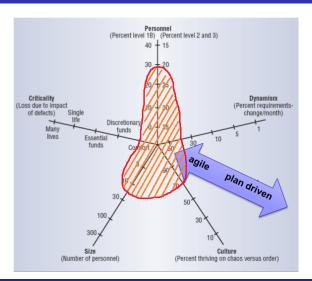
#### Android



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└-Hvorfor Agilt?

# 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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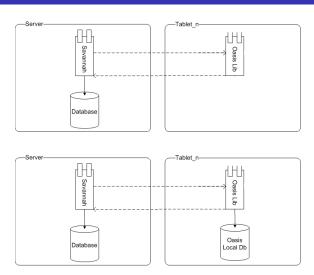
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#### Krav

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

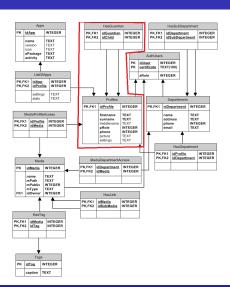
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### Valg af Database Model



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#### **Profiler**

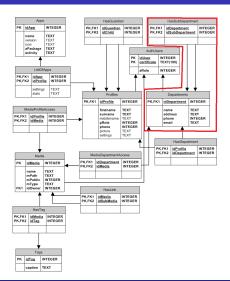


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Oasis

Local Db

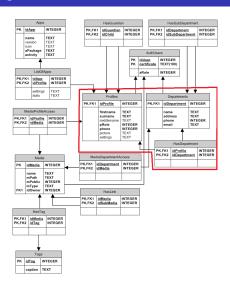
### Afdelinger



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└─Oasis └─Local Db

### Profiler/Afdelinger

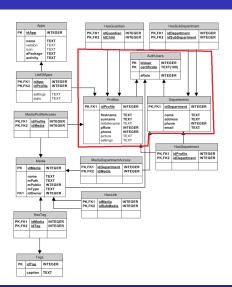


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Oasis

Local Db

#### Certifikater

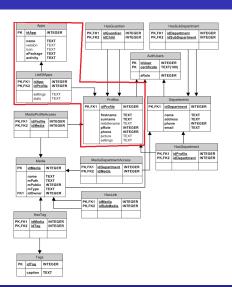


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Oasis

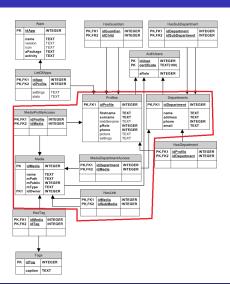
Local Db

## **Applikationer**



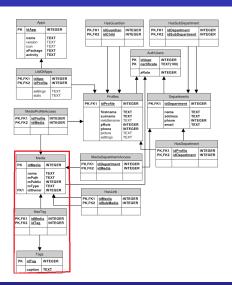
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#### Medier



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# Tags



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#### Anvendelse

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

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Library

### Library

- Bindeled mellem apps og databasen
- Sikrer overholdelse af adgangskrav
- Tilbyder Db funktioner tilpasset apps
- Synkroniser med Savannah
  - Ikke implementeret

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### App

 $\sqcup_{\mathsf{App}}$ 

- 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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