



# SYNOPSIS

App project A30 Child Care – ITSMAP-01

Gruppe 06

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## Vision

*“Vi ønsker nu at der udarbejdes en app. i forhold til at skabe information og overblik over et muligt patientforløb på A30”* Quote from: Præsentation af projekt "det brugerinddragende hospital" i A30 på ingeniør skolen fredag d. 08- 04-2016.

Our vision for this project is to make an app that accomplishes the goal the presenters of the idea have. If we accomplish this, we think that we will be able to make a professional app thus fulfilling the goals of this course. Furthermore, we want to learn more about synchronizing data between apps using technologies like Firebase.

Since the goal of this project is to give new parents general- and specific-information about the care of their child, a big part of the app will be an information section that could contain written content and, if necessary, videos.

Furthermore, the Firebase part of the project will be the core in managing the information in between the application for the nurses and the parents. This will be known as the *“Cooperation agreement”*.

## Context

This project will consist of two separate apps. An app for the parents of the baby and an app for the hospital staff.

The apps should have the following features:

### App parents

- Login baby – only first time
- Information about the hospitalization (read)
  - Treatment
  - Daily routines
- Cooperation agreement (can see)
  - Who is the nurse/doctor
  - Who should do what work
  - Who is going to take care of the baby

### App hospital

- Creation of baby
- Information about the hospitalization (write)
  - Treatment
  - Daily routines
- Cooperation agreement (can edit)
  - Who is the nurse/doctor
  - Who should do what work
  - Who is going to take care of the baby

Additionally, the nurses spoke about some training the parents could receive so they could be a part of the process earlier. Since we need additional information about this feature, we haven't included it on this list.

## Use cases

## Parent app

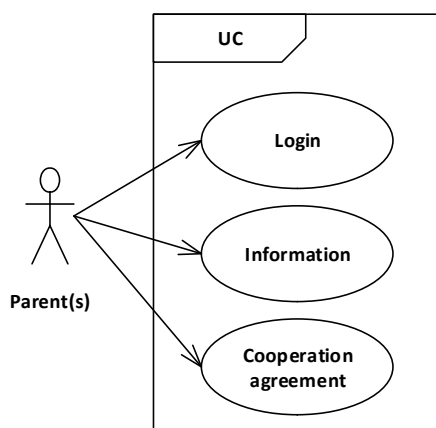
Name	Goal
Login	The app is logged in with a unique ID and shows the current information about their child
Information	To give the parent(s) an overview over the treatment process
Cooperation agreement	The user has read the part of the cooperation agreement he/she wishes to read.

## Hospital app

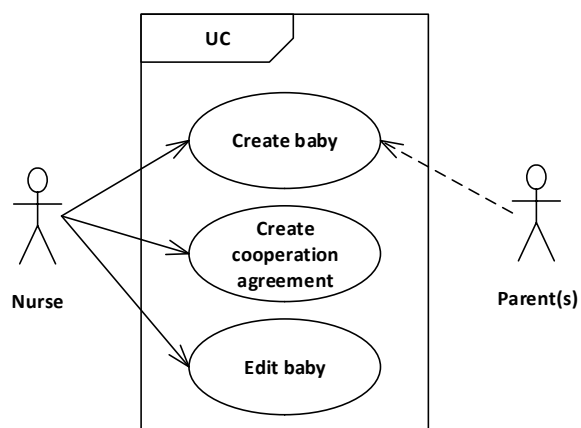
Name	Goal
Create baby	Information about a baby is stored in a database and a unique ID is sent to the parent by email.
Creating cooperation agreement	Dates and tasks is assigned
Edit baby	Information about treatment, responsibilities etc. is edited.

We haven't created use cases for the apply- and manage- baby care training because we are uncertain about the feature.

## Uml



Figur 1 – Use case diagram for Parent App



Figur 2 – Use case diagram for Hospital App

## Our considerations

- Internet connection
  - Since the project is about passing information between the hospital staff and the parents of the child that is being treated, synchronizing data between these two actors will require an internet connection. If the information for some reason is not synchronized, we want to make sure the parents is aware of this. This can be done by notifications or with a textbox somewhere saying when the app was last synchronized.
- Unique id
  - To differentiate data from one child to another we will need a unique ID to identify each child. The CPR-number would be ideal here, but since this is very sensitive data we will generate a random id at first. Ideally all the data bound to the child could be synchronized with the child's patient journals.
- The Android platform
  - This project will only focus on android development. Therefore, any other device, like an Iphone or a Windows phone, will not be able to use this product. This can be limitation to users of the app.
- Design
  - The Parent App should have a dashboard, like a frontpage, with the most important information like: Name, date of birth, ID, current doctor/nurse, and other information about the hospitalization.
  - The Hospital App should be more focused on an overview of the different children. It should be able to create a child fast and thereafter shift to another with only the unique ID.