Synopsis

App project XXX – ITSMAP-01

Gruppe XX  
  
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Indhold

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#### Synopsis report

Synopsis is iterative and can be changed during the project, as your knowledge and experience increases!

The following elements must be described, in short, in a synopsis of one to three pages

* Front page (title, class number, names of participants with study number and delivery date)
* Table of contents with page numbers. **All pages of the report must be numbered.**
* **Vision**: What do you want to achieve! (What I hope to get out of work on this task)
* And in what **context** = Use Cases / Cases / User Stories
* Specified as good as possible:
  + Suggested **Component Mode**l, UML diagram or similar, with the Android components (Component Profile) that is expected to start operating.
  + What **problems and benefits** that can be foreseen, or which are known in advance of the proposed component profile and HW platform.
  + Other considerations that can help you, like e simple time schedule

# 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.

# 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
* Apply for baby-care-training
  + Kinds of training
  + Date proposals
  + Notification

**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
* Manage baby-care-training
  + Accept proposals
    - Push acceptance

## Use cases

App Parents

|  |  |
| --- | --- |
| **Use case nr./name** | 1 – Login |
| **Goal** | The app is logged in with an unique ID and shows the current information about their child |
| **Initialization** | Parent(s) |
| **Actors** | Primary: Parent. |
| **Simultaneous occurrences** | 1 |
| **Preconditions** | The app is installed and it opens for the first time |
| **Scenario** | 1. Open app 2. A login screen prompts the user for an ID which the user enters. 3. Press login 4. The app pulls the latest data and shows it on the app |
| **Result** | The app is setup with the latest information connected to the ID |

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| --- | --- |
| **Use case nr./name** | 2 – Information |
| **Goal** | To give the parent(s) an overview over the treatment process |
| **Initialization** | Parent(s) |
| **Actors** | Primary: Parent(s). |
| **Simultaneous occurrences** | 1 |
| **Preconditions** | Use case 1 is completed and app is open |
| **Scenario** | 1. The user access the menu by sliding his/her finger from the left of the screen to the right or press the ‘menu’-button. 2. The user press “Information” 3. A screen with different kinds of information pops up. The user can choose what he/she wish to read about.    1. Information about the chosen topic is chosen is shown on the screen    2. When the user is done the ‘back’-button is pressed to go back to the list of topics. 4. The ‘back’-button can be pressed to access the homescreen |
| **Result** | The user has accessed information about a chosen topic. |

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| --- | --- |
| **Use case nr./name** | 3 – Cooperation agreement |
| **Goal** | The user has read the part of the cooperation agreement he/she wishes to read. |
| **Initialization** | Parent(s) |
| **Actors** | Primary: Parent. |
| **Simultaneous occurrences** | 1 |
| **Preconditions** | The app is installed, UC 1 is completed and the app is open |
| **Scenario** | 1. The user access the menu by sliding his/her finger from the left of the screen to the right or press the ‘menu’-button. 2. The user press “Cooperation agreement” 3. The agreement created be the “hospital app” will be shown and a specific topic can be chosen.    1. A topic is chosen and the user can read what task there has been agreed upon.    2. When the user is done the ‘back’-button is pressed to go back to the list of topics. 4. The ‘back’-button can be pressed to access the homescreen |
| **Result** | The user has read the desired topics in the cooperation agreement |

App hospital

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| --- | --- |
| **Use case nr./name** | 1 – Create baby |
| **Goal** | Information about a baby is stored in a database and a unique ID is sent to the parent by email. |
| **Initialization** | Nurse |
| **Actors** | Primary: Nurse. Secondary: Parents |
| **Simultaneous occurrences** | 1 |
| **Preconditions** | The app is installed |
| **Scenario** | 1. Open app 2. Press “New baby” 3. Enter the required information about the baby    1. Enter “Name”    2. Enter “date of birth”    3. Enter “Email”    4. Enter “How prematurely is the baby born” 4. Press “Create” |
| **Result** | ID is generated  Mail with id sent to parents  Baby registered in database |

|  |  |
| --- | --- |
| **Use case nr./name** | 2 – Creating cooperation agreement |
| **Goal** | Dates and tasks is assigned |
| **Initialization** | Nurse |
| **Actors** | Primary: Nurse. Secondary: Parents |
| **Simultaneous occurrences** | 1 |
| **Preconditions** | The app is installed |
| **Scenario** | 1. Open app 2. Press “Cooperation agreement” 3. The schemas about the agreement is completed    1. Schema: “Mad til mit nyfødte barn”    2. Schema: “Hygiejne af mit nyfødte barn”    3. Schema: “Undersøgelser”    4. Schema: “NIDCAP”    5. Schema: “Amning”    6. Schema: “Other” 4. Press “Finish” |
| **Result** | The Cooperation agreement is created and stored with the unique baby ID. |

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| --- | --- |
| **Use case nr./name** | 3 – Baby-Care-Training-Management |
| **Goal** | The |
| **Initialization** | Nurse |
| **Actors** | Primary: Nurse. Secondary: Parents |
| **Simultaneous occurrences** | 1 |
| **Preconditions** | The app is installed |
| **Scenario** | 1. Open app 2. Press “New baby” 3. Enter the required information about the baby    1. Enter “Name”    2. Enter “date of birth”    3. Enter “Email”    4. Enter “How prematurely is the baby born” 4. Press “Create” |
| **Result** | ID is generated  Mail with id sent to parents  Baby registered in database |

## Cases

## User stories

# Uml

# Our considerations

* Internet connection
  + Since the project is about passing information about from 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 on child to another we will need an unique ID to identify each child. The CPR-number would be essential here, but since this is very sensitive data we will generate a random id at first. Ideally all the data bounded to the child could be synchronized with other public 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 about different children. It should be able to create a child fast and thereafter shift to another with only the unique ID.