CS1 Task 3: Designing a mobile application

# App Features

## Scheduling

* Dynamic timing  
  Depending on location of health visitor and scheduling auto generation of daily routine.
* Prioritizing appointment  
  Different states of prioritization. If an appointment can’t be moved, others will reorganize around it. After skipping several times an appointment, priority will increase until its unmovable.
* Reminder if near colleaque  
  „You wanted to ask him this and this“.
* Training session  
  Added test cases by management, disguised as meeting in calendar, e.g. fake-unconscious person in meeting room. Behaviour of health visitor will be analysed by supervisor. Other examples: fire-alarm, rampage, …
* Burn-out prophylaxis  
  E.g. decrease workload for exhausted employees.

## Mobility

* Purchase public transport ticket  
  Automatically done by expert-system, depending on daily routine.
* Planning whole route  
  Based on google maps, done by expert-system.
* Geo printing  
  Printing based on location of health visitor. E.g. healh visitor can walk to random printer in hospital and print summary of client.

## Technical

* Reminder if smartphone out of range  
  Watch, worn by health visitor, which recognizes that smartphone is not in a defined range.
* Audio response  
  While busy, driving a car, on the run, …
* Bank payment  
  Interface to give right for money transaction.
* Hotspot  
  Project screen to other Devies like big monitor or tablet for reading.
* Voice recognation  
  Records discussion with client and recognizes voice.
* Digital signature  
  Client is able to give signature on smartphone screen.

## Burn-out prophylaxis

* Regular health checks  
  Calendar entries for medical checks (general check, blood pressure, work balance, ...)

## Client DB

* Highlighting characteristics  
  Special characteristics like irascible, aggressive, mute, ... are summarized.
* Recipes  
  Recipes of clients, written by doctors, are deposited. In case they loose them.
* Template  
  Template to collect all essential data of new clients.
* History  
  Access to history of clients (only the ones who are treated by specific health visitor).
* Character recognation  
  After health visitor took notes by hand, app is able to take a photo of the text and converts handwritten letters to digital characters. Can even interprete text.
* Client Data  
  Database with basic info of all clients.

## Violence

* Behaviour hints  
  Basic hints if health visitor is being attacked.
* Help button  
  Flashy button to call police if health visitor is being attacked. Smartphone makes loud noises to frighten attacker. Equipped with GPS.
* Shaking smartphone  
  Causes the same as pushing the help button.
* Taser  
  Easy to use taser, connected with smartphone.

## Knowledge

* Wiki  
  Behaviour- / expert knowledge-hints, edited by colleaques.

## General

* Appartments  
  List of free corporation flats, if client loses current appartment. Connected with municipal and e.g. immoscout24.

## Communication

* Socal network  
  Netzwork with all colleaques, comparable with facebook. Inegrated functions like calling, calendar, personal data, ...