

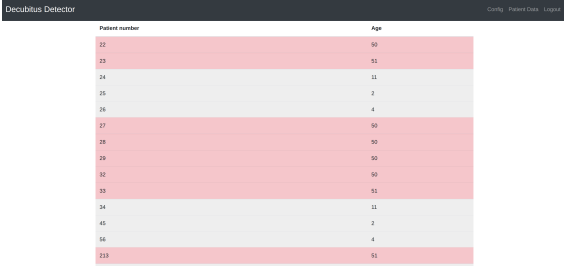

Questionary

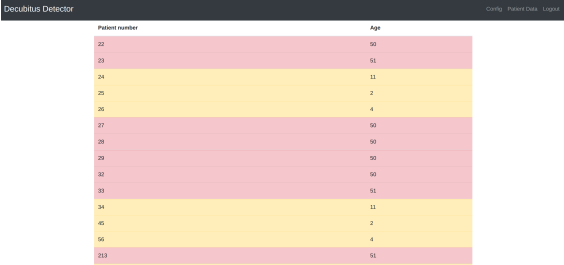

January 17, 2020

Frontend

Color Theme

The following images show different color themes of a table, containing patient information. Red rows indicate that our algorithm detected a potential decubitus risk.

a)  b) 

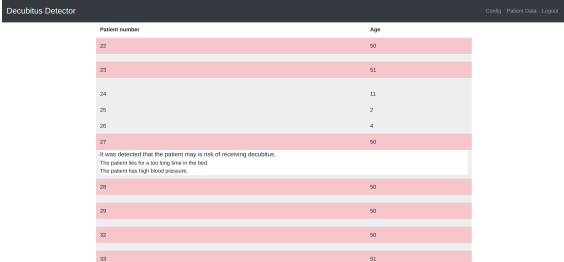
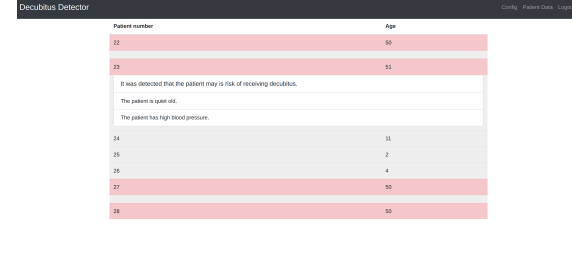
c)  d) 

1. Which color theme do you believe is the most suitable one?

- ☐ a) gray
- ☐ b) green
- ☐ c) yellow
- ☐ d) blue

Lists vs. Text

The following images show the reasons, why our algorithm detected decubitus in different styles: As a list and as text.

a)  b) 

1. Would you prefer a text or a list?

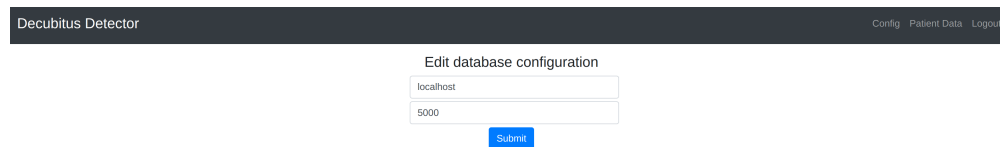
- ☐ a) list
☐ b) text

Database Settings

The frontend is completely separated from the ETL process and the detection algorithm. It just shows the results, stored in a database. But still, the database settings must be configured. Should database connection settings, such as hostname, port, username and password be accessible from the frontend?

The following image shows how the configuration page may look like.

Note: As the frontend is basically a website, a server admin will still be able to modify the settings.



The config page.

1. Would you give the doctor the option to modify the database settings?

- ☐ Yes
☐ No

Patient Content

Apart from reasons, why a patient is endangered, a doctor requires additional information (e.g. the patient id).

1. Is it sufficient to show to show the ID of the patient along with his birth date?

- ☐ Yes
☐ No
☐ Doesn't matter

If you checked: "No", which additional information would you show the user?

2. Should there be an option to export the results as PDF file/a printable version?

- ☐ Yes
☐ No

3. Which filter/sort options for the patients would you include?

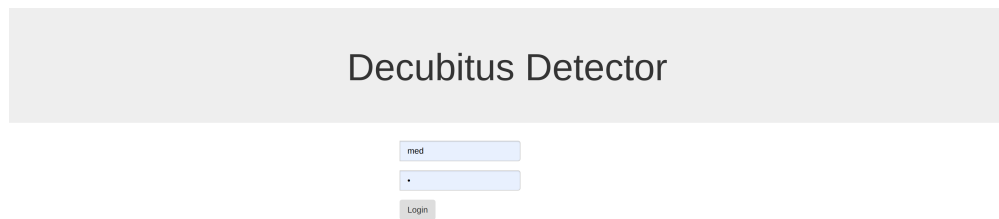
- ☐ Sort by detection (all endangered patients are shifted up)

☐ Filter by patient ID

If you suggest additional filters, write them down below.

Credentials

Medical records are highly confidential. One can prevent leaking data by an authentication system. The following image shows a login page.



The login page.

1. Should we include the login page?

- ☐ Yes
☐ No

Backend

Obviously the cron job for ETL and decubitus detection needs to be configured, according to several parameters. We recommend a short python script, which configures and starts the cron job.

1. Are simple command line arguments sufficient as configuration?

E.g.: `python3 cron.py -db_port=1234 -db_host=localhost`

- ☐ Yes
☐ No

If you answered: "No", how should we include settings?

2. Which parameters are necessary? Please check them.

- ☐ cron interval
☐ database username

- ☐ database password
- ☐ database host
- ☐ database port
- ☐ location of the CSV files
- ☐ logfile