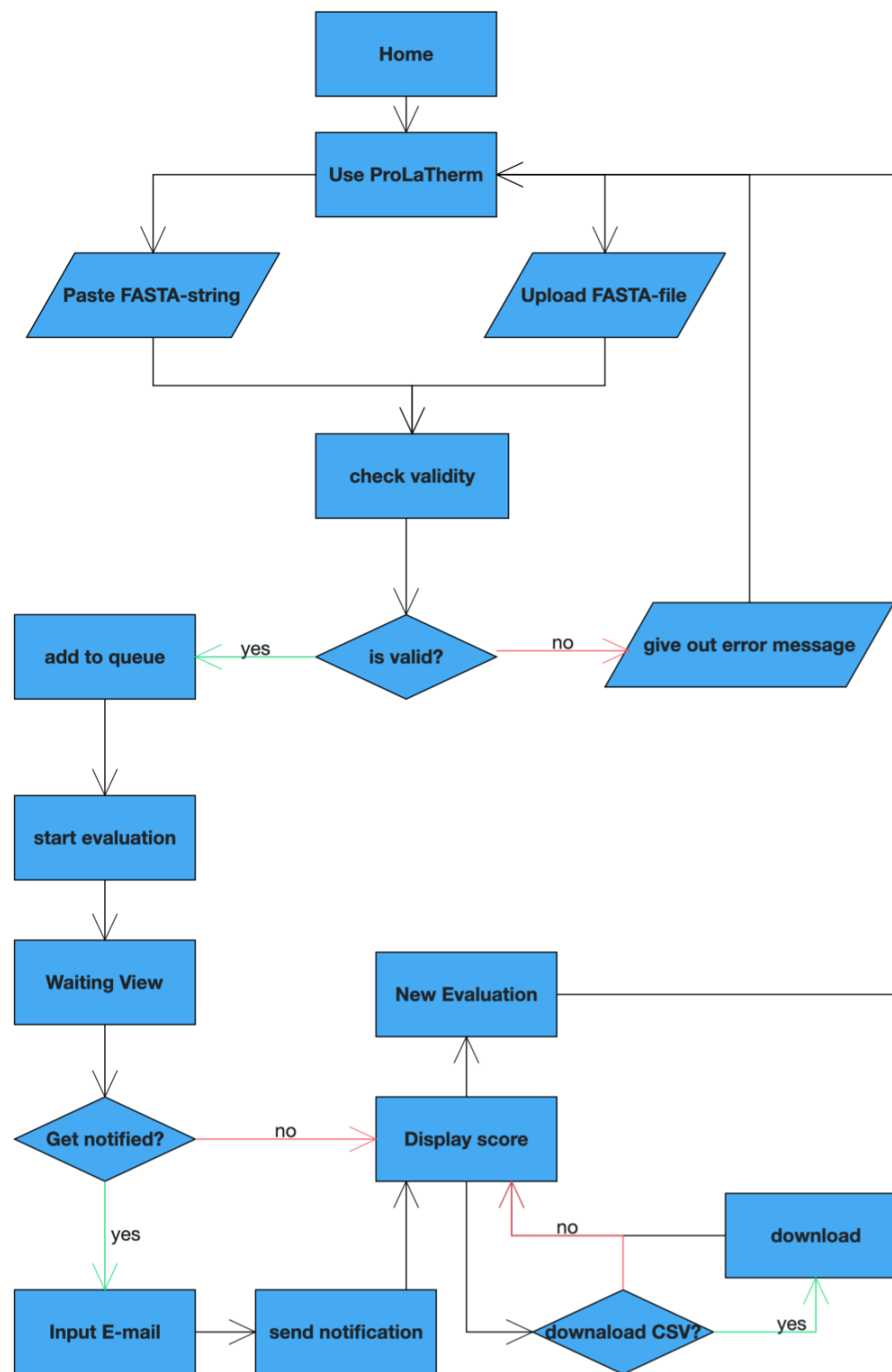


Why ?

- Thermophilic proteins play a crucial role in various industrial and bio-technological processes
- identifying thermophilic proteins is a challenging task
- GrimmLab at the Technical University of Munich developed ProLaTherm
- the first protein language model based thermophilicity predictor
- to use ProLaTherm you must run it on your machine
- requires at least 20gb of RAM or an GPU with at least 16gb of memory
- to make this service more accessible the GrimmLab decided to host ProLaTherm on a website

Key functionality

- Users would be able to provide multiple protein sequences in FASTA format as a string in a text field or drag and drop the file
- Request gets checked for errors, i.e. wrong format, and if there is an error the user will be informed
- Requests will be appended to a queue managing all request
- Waiting screen with possibility of copying a link to see results when they are ready
- Provide link where the results will be displayed
- Display of results with score and flag, whether the sequence is thermophilic or not
- Possibility to download sequences with score in a CSV file



Later Add-ons

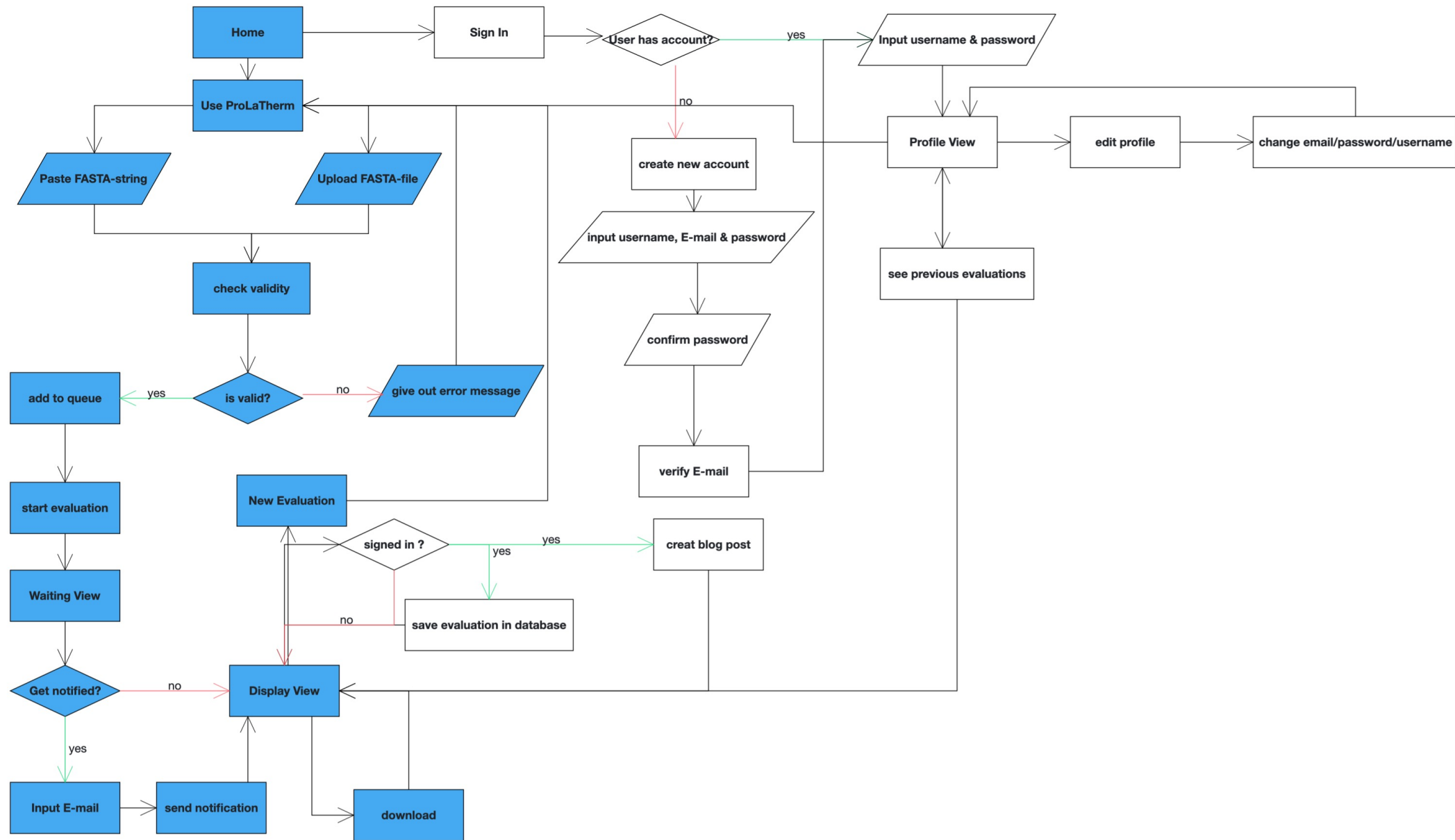
limit für uploads

- Add an example how to use ProLaTherm *wichtig* *WebAPP als Docker container*
- Users can register by providing email, first and last name
- Registered Users can save up to 1000 evaluations in their profile, which can be downloaded at anytime
- Occupation , i.e. Student, Researcher ,etc., and place of work can be added displayed on the Profile
- Registered Users can add Blogs about scientific papers where they referenced ProLaTherm
- Users can provide their E-mail in the waiting screen to get notified when their results are ready
- Users would be given an estimation of the time needed to evaluate their data

Ergebnisse nach x h löschen

Weitere info zu sequenzen

Summary



About ProLaTherm

<brief descripton>

Read more

<github link>

} As an Page

Tutorial

Input your FASTA-formatted string

or

Upload a FASTA file

Statistik

<text field and drag and drop area>

Evaluate

Example

Your sequences are being evaluated...



Tell us your E-mail so we can notify you when
your results are ready

<text field>

URL abs Restful

Copy this link to find your result later

Copy

url ID 4

Your results are ready

<sequence identifiers>
<sequence identifiers>
<sequence identifiers>
<sequence identifiers>
<sequence identifiers>

<score> <flag>
<score> <flag>
<score> <flag>
<score> <flag>
<score> <flag>

...

See more

Sign up to save
in profile

Download as
CSV

Django Tables

Your last evaluation

<Date & Time>

View



<Date & Time>

View

<Date & Time>

View



<Date & Time>

View

<Date & Time>

View

[See more](#)

Performance Tests

Datenschutz Cookies

Support