



OST
Ostschweizer
Fachhochschule

Todo list

Challenge Task

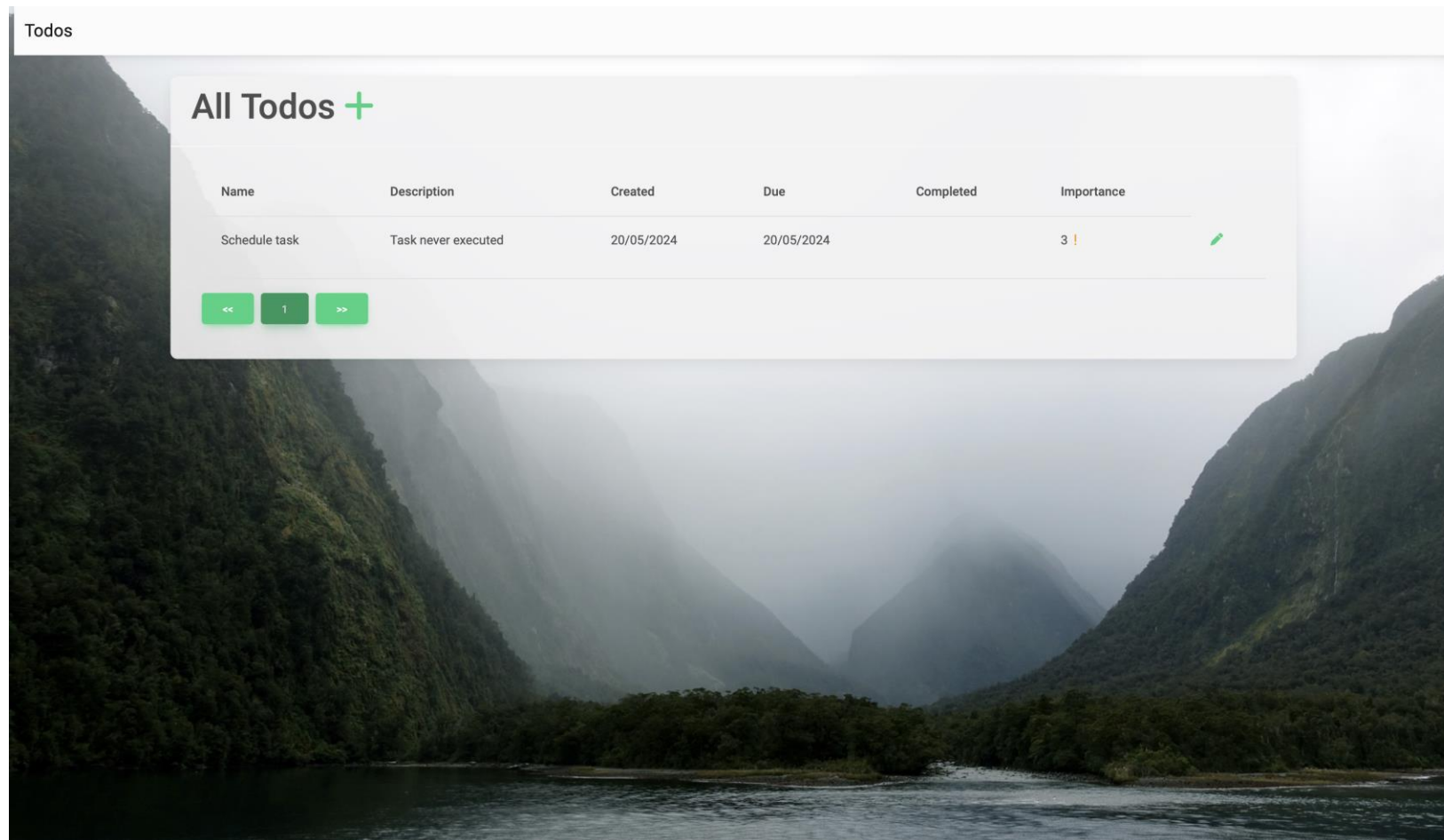
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Informatik

Die Applikation

Todo list



Die Applikation

Todo list

Create Todo

Name

Description

Importance
1

Due Date
25/05/2024

☐ Is completed

CREATE

Edit Todo #1

Name
Schedule task

Description
Task never executed

Importance
3

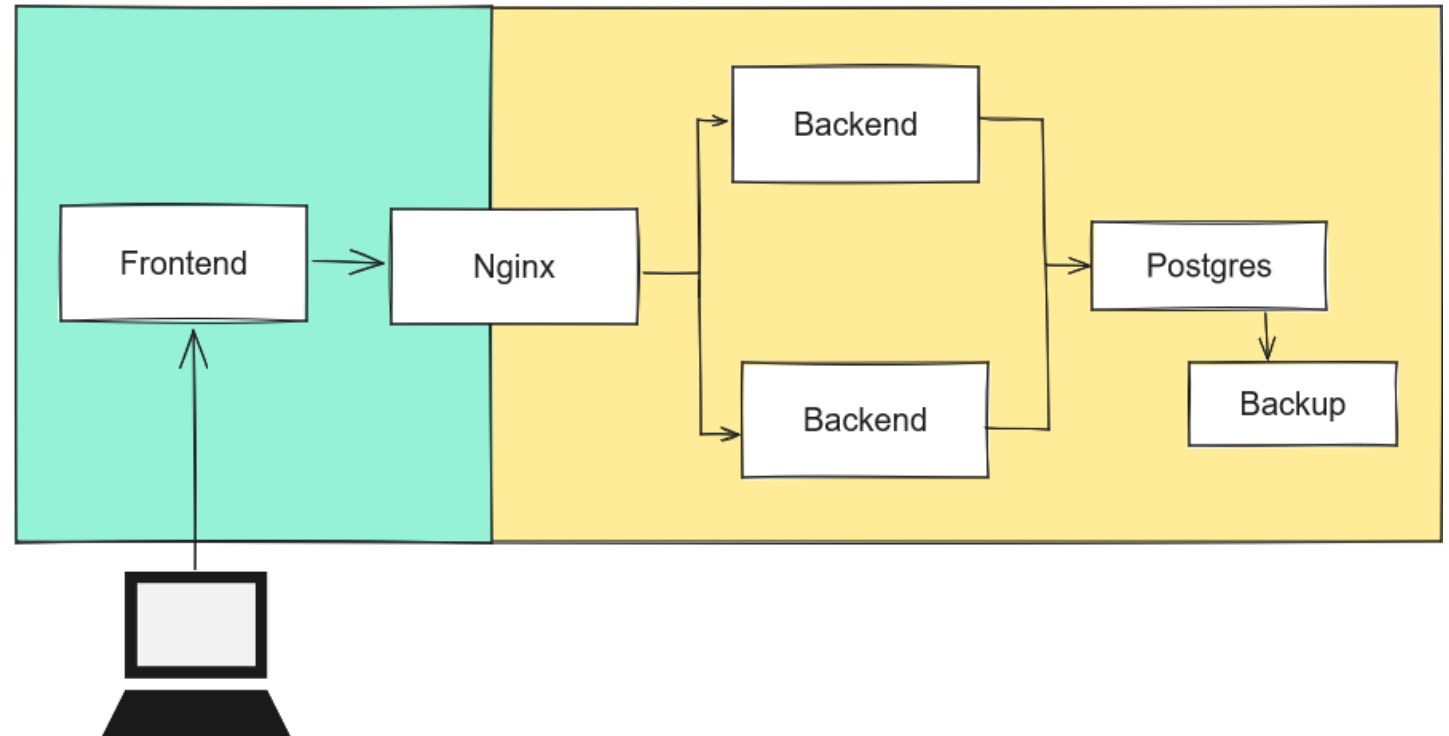
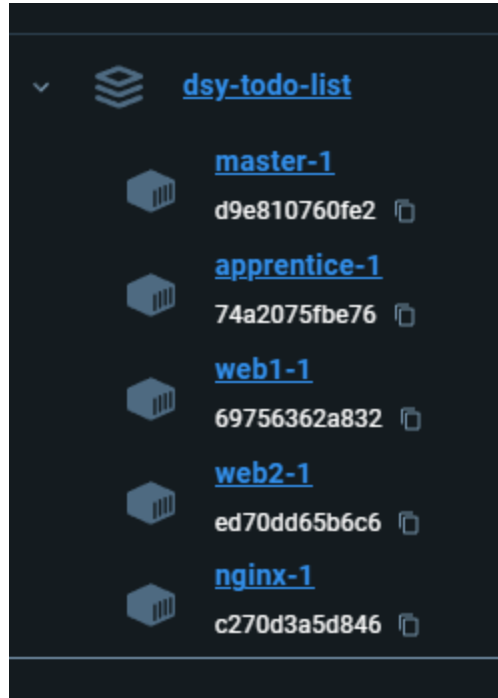
Due Date
20/05/2024

☐ Is completed

SAVE

Die Applikation

Architektur



Loadbalancer & Docker



- Redirects on request fail/timeout
 - timeout: 5s
 - max_fail: 1
 - fail_timeout: 10s
- http redirect
- No health check



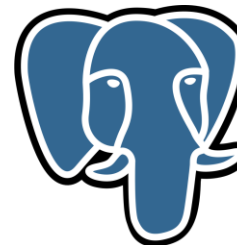
- Networking:
 - db isolation
 - Name based addressing

```
compose.yaml
1  ∨ include:
2  > - path: postgres/compose.yaml ...
4
5  ∨ services:
6
7  > web1: ...
27
28 > web2:|...
48
49 > nginx: ...
62
63 ∨ networks:
64 ∨ db-net:
65   | driver: bridge
66   front-net:
```

Technologien

Applikation

- Frontend (Typescript)
 - React
 - Material UI (react toolkit)
- Backend (Typescript)
 - Express / node.js
 - node-postgres
- Typescript project references
- Database
 - postgres



Demo