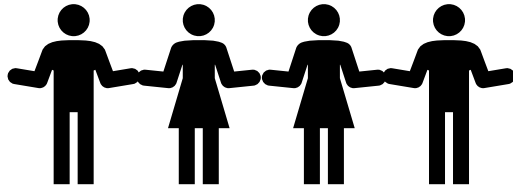


M151 Projektarbeit

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Funktion

- Website für Onlinegottesdienst
- Glaube während der Pandemie nachgehen



Technologie

- Html
- Javascript
- CSS
- Typescript
- Docker
- Postgres
- Node JS

Schnittstellen

- Mehrere Schnittstellen vom Server
- Files
- JSON

Rückgabe der Html Files

```
app.get("/admin", (req, res) => {
  res.sendFile(path.join(__dirname + '/../frontend/html/admin.html'));
});

app.get("/messeliste", (req, res) => {
  res.sendFile(path.join(__dirname + '/../frontend/html/messeliste.html'));
});

//get exhibitions with the id
app.get("/login", (req, res) => {
  res.sendFile(path.join(__dirname + '/../frontend/html/login.html'));
});

app.get("/priests", (req, res) => {
  res.sendFile(path.join(__dirname + '/../frontend/html/priests.html'));
});

app.get("/contact", (req, res) => {
  res.sendFile(path.join(__dirname + '/../frontend/html/contact.html'));
});

app.get("/aboutus", (req, res) => {
  res.sendFile(path.join(__dirname + '/../frontend/html/aboutus.html'));
});
```

Standart Assests

```
//use default assets like stylesheet etc...  
app.use("/assets", express.static(path.join(__dirname, "../frontend/assets")));  
app.use(express.json());
```

Daten von der DB übergeben

```
app.get("/api/exhibitions/get", (req, res) => {  
  //code von der DB und einem json --> correct  
  db.any('SELECT * FROM exhibitions')  
    .then(function(data){  
      const myObjStr = JSON.stringify(data);  
      console.log("DATA:", data.value);  
      console.log("DATA JSON:", JSON.parse(myObjStr));  
      res.json(myObjStr);  
    });  
});
```

POST Methoden

```
app.post("/api/exhibition/", (req, res) =>{  
  var eventname = req.body.eventname;  
  var code = req.body.code;  
  var time = req.body.date;  
  var date = req.body.date;  
  var pw = req.body.pw;  
  res.end("yes");  
})
```


Daten für die DB aufbereiten

```
eventname = "" + eventname + "";  
code = "" + code + "";  
time = "" + pw + "";  
date = "" + date + "";  
pw = "" + pw + "";
```

Daten in die DB einfügen

```
if(eventname != "" && code != "" && time != "" && date != ""){  
  db.query(  
    'INSERT INTO exhibitions(name, code, time, date, pw) VALUES ('+eventname+', '+code+', '+time+', '+date+', '+pw+')';',  
    (err, res) => {  
      console.log(err, res);  
      db.end();  
    }  
  );  
}
```

Herausforderungen

- Docker (gewisse Startschwierigkeiten)
- Kleinigkeiten im Code

Lessons learned

- Docker
- Wiederauffrischung von Express