



WEB ENGINEERING

BENUTZERAUTHENTIFIZIERUNG

- Authentifizierung vs. Autorisierung
- Code
- Walkthrough

AUTHENTICATION

Anonymous User:

Server:

Anonymous User:

Server:

Hey server, please give me info ...

Who are you?

I am Mike, my password is ...

I know a Mike with that password, I believe you. Welcome Mike!

AUTHORIZATION

Mike:

Server:

Great! Now give me that piece of info

Just a sec...

I'm sorry Mike, I can't. That info is for VIPs only. You are no VIP.

AUTHENTIFIZIERUNG

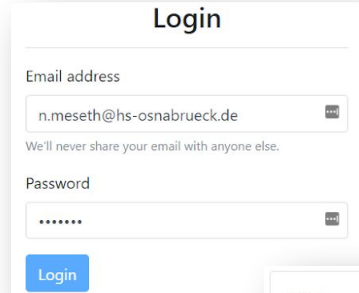
ABLAUF

CLIENT

SERVER

1

User types email & password into login form



A screenshot of a web login form titled "Login". It contains two input fields: "Email address" with the value "n.meseth@hs-osnabrueck.de" and "Password" with masked characters ".....". Below the password field is a blue "Login" button. A small disclaimer "We'll never share your email with anyone else." is visible between the email and password fields.

2

The login button triggers the login process

3

The server receives the login request with email & password

4

The server checks the user directory for a match

5

If the user is known, the server notifies the web app that the user is now logged in and sends the user profile.

email
password

user



CODE

CODE

USER LOGIN AND LOGOUT

```
var auth = firebase.auth();
```

```
// Login
```

```
var user = await auth.signInWithEmailAndPassword(email, password);
```

```
// Logout
```

```
auth.signOut()
```

```
firebase.auth().onAuthStateChanged(doSomething);

function doSomething(user) {

    if(user) {
        // A new user signed in
    }
    else {
        // A user signed out
    }
}
```