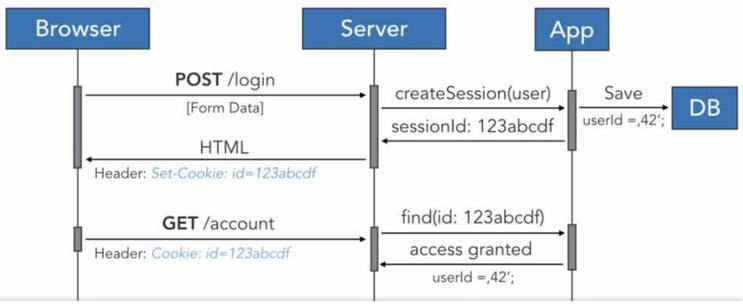
Understanding Cookies and Sessions

Authentication Flow



Properties of Cookies

Set-Cookie:

- id=123abcdf;
- Expires=Wed, 14 Nov 2018 00:30:00 GMT;
- Secure;
- HttpOnly;

Reading Cookies in Express

```
const cookieParser = require(‚cookie-parser‘);
app.use(cookieParser()); // gives us req.cookies
```

Handling Sessions in Express

```
const session = require(‚express-session’);

const MongoStore = require('connect-mongo')(session);
app.use(session({
  secret: 'foo',
  store: new MongoStore(options)
}));
```

Introduction to Passport

Conceptual Overview

Using Passport in Express

- **passport.initialize();**
  Returns a middleware function that uses the request (req) object to store passport internal data in it.
- **passport.session();**
  Looks for a previously serialized user in the current session and uses a provided deserialization function to provide the user in *req.user* to all following middlewares and routes.

Authentication vs. Authorization

Authentication

- *Who* is this user?

Authorization

- *What* is the user allowed to do?

Protecting Routes