# Media-Management-Platform

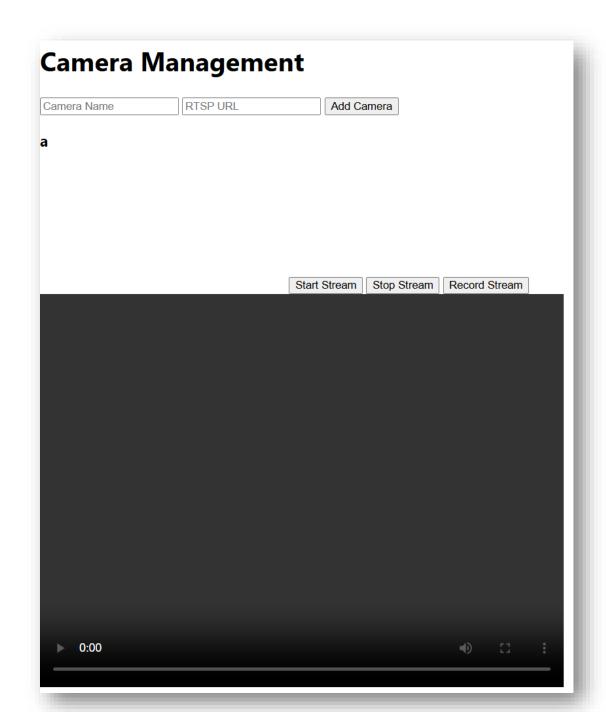
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Goals:

# Authorization

#### Goals

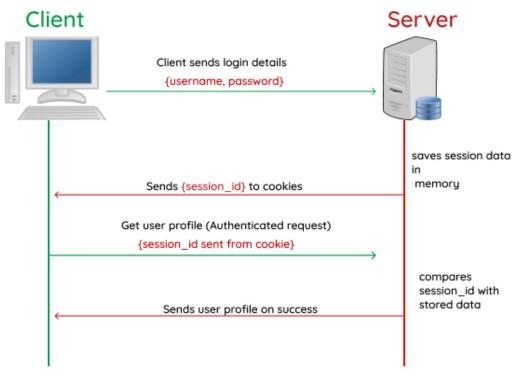
- Require user to authenticate
- Show different streams based on user



## Backend

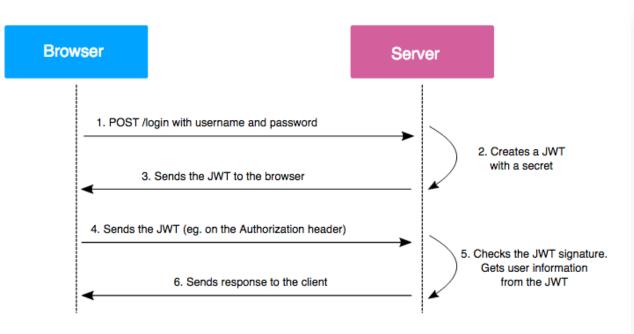
### Authentication

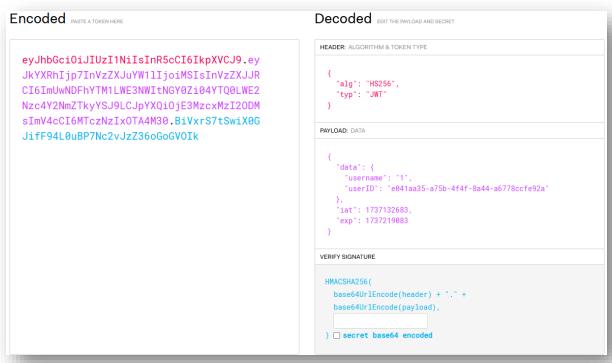
- At first: Session based
- Too complicated with frontend
  - → JWT



Session based authentication

### JsonWebToken





## JWT Example: /login

```
app.post("/login", async (req, res) => {
 // Check if user exists
 const user = await findUser(req.body.username);
 if (!user) {
   return res.status(401).json({ message: 'Invalid credentials.' });
 try {
   // Check if password is correct
   if (await bcrypt.compare(req.body.password, user.password)) {
     logger.info("Authentication OK");
     const token = jwt.sign(
         data: {username: user.username, userID: user.uuid},
       jwtSecret,
         expiresIn: "24h",
     // Send token to client
     res.status(200).json({ token });
     else {
     res.status(401).json({ message: 'Invalid credentials.' });
```

#### Request body:

```
{
   "username": "exampleUser",
   "password": "examplePassword"
}
```

#### Response body:

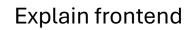
```
{
  eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJkYXRhIjp7InVzZXJuYW1
}
```

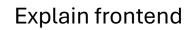
### Passport-JWT

- Strategy for PassportJS
- Authentication middleware
- Returns 401 if JWT is wrong

```
const jwtDecodeOptions = {
 jwtFromRequest: ExtractJwt.fromAuthHeaderAsBearerToken(),
 secretOrKey: jwtSecret,
passport.use(
  new JwtStrategy(jwtDecodeOptions, (payload, done) => {
    const user = findUser(payload.data.username);
    if (user) {
      return done(null, user);
      else {
      return done(null, false);
app.get(
  "/self",
  passport.authenticate("jwt", { session: false }),
  (req, res) => {
```

Backend api functionality





Explain frontend=>backend