

express-session : is a middleware module in Express. js that allows you to create sessions in your web application. It stores session data on the server side and allows you to track the activity of a user across requests.

jsonwebtoken : A JSON Web Token, popularly known as JWT, is an open standard that defines a compact way for securely sharing information between two parties: a client and a server.

Module Installation

```
$ npm i jsonwebtoken express-session
```

Module Importation

```
const jwt = require('jsonwebtoken');  
const session = require('express-session');
```

Session Configuration

```
const secretKey = 'your-secret-key';  
app.use(session({  
  secret: secretKey,  
}));
```

Business Logic

```
// If the user is valid, generate a JWT token  
const token = jwt.sign({ userId: 'user-id' }, secretKey, { expiresIn:  
'1h' });
```

Login Component (Success login)

// Store the JWT token in session storage

```
sessionStorage.setItem('jwt', response.token);
```

Header Component (TS)

// Retrieve the JWT token from session storage

```
isLoggedIn(){
```

```
  const jwt = sessionStorage.getItem('jwt');
```

```
  return !!jwt;
```

```
}
```

```
logout(){
```

```
  sessionStorage.removeItem('jwt');
```

```
}
```

Decoding Token in Angular

Module Installation

```
$ npm install jwt-decode
```

Import Module

```
import jwt_decode from 'jwt-decode';
```

```
decodeToken(token: string) {
```

```
  return jwt_decode(token);
```

```
}
```