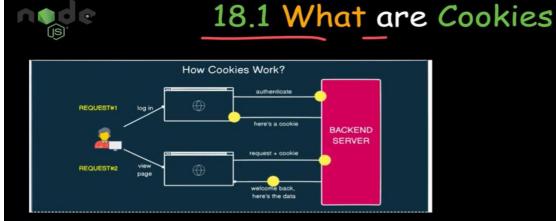
Cookies And Session::



- Cookies are small pieces of data stored in the user's browser by server.
- 2. They help websites remember user information and preferences between page loads or visits.
- 3. Cookies can manage user sessions and store data for personalized experiences.



```
1. exports.postLogin = (req, res, next) => {
    console.log(req.body);
    req.isLoggedIn = true;
    res.redirect("/");
};
```

18.3 Checking Login State

2.



18.3 Checking Login State

```
res.render("host/edit-home", {
   home: home,
   editing: editing,
   pageTitle: "Edit Your Home",
   isLoggedIn: req.isLoggedIn,
});
```



18.3 Checking Login State

```
app.use(storeRouter);
app.use("/host", (req, res, next) => {
    if (!req.isLoggedIn) {
        return res.redirect("/login");
    }
    next();
});
app.use("/host", hostRouter);
```



18.4 Using a Cookie

```
2. exports.postLogin = (req, res, next) => {
    console.log(req.body);
    res.cookie("isLoggedIn", true);
    res.redirect("/");
};
```

3.

```
app.use((req, res, next) => {
   req.isLoggedIn = req.get('Cookie')?.split('=')[1] || false;
   console.log(req.isLoggedIn);
   next();
});
```

Better & Safe Way (using cookie-parser)

If you use cookie-parser middleware in Express:



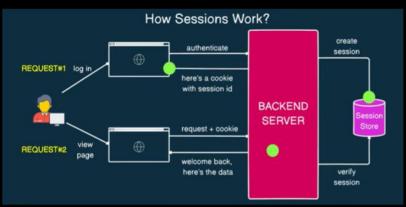
, 18.6 Problem with Cookies

- Cookies can be intercepted or stolen, posing security risks.
- 2. They have limited storage capacity (about 4KB).
- 3. Users can delete or modify cookies, leading to data loss or tampering.
- Data in cookies is not encrypted, making sensitive information vulnerable.
- Storing important info in cookies exposes it to client-side attacks.





18.7 What are Sessions



- 1. Sessions are server-side storage mechanisms that track user interactions with a website.
- 2. They maintain user state and data across multiple requests in a web application.
- 3. Sessions enable persistent user experiences by maintaining state between the client and server over stateless HTTP



18.8 Installing Session Package

```
prashantjain@Prashants-MacBook-Pro 13 mongoose % npm install express-session
added 6 packages, and audited 264 packages in 2s

48 packages are looking for funding
    run `npm fund` for details

found 0 vulnerabilities

const session = require('express-session');

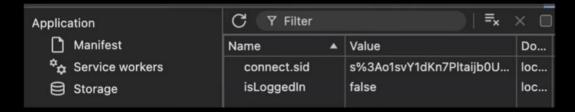
app.use(bodyParser.urlencoded({ extended: true }));
app.use(session({
    // Secret key used to sign the session ID cookie and encrypt session data
    secret: 'Complete Coding Secret',
    // Forces session to be saved back to the session store, even if not modified
    resave: false,
    // Forces a session that is "uninitialized" to be saved to the store
    saveUninitialized: true,
}));
```



18.9 Creating a Sessions

```
exports.postLogin = (req, res, next) => {
   console.log(req.body);
   req.session.isLoggedIn = true;
   res.redirect("/");
};
```

4.



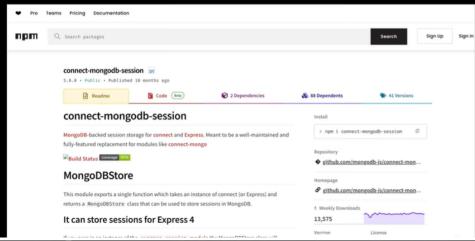


18.9 Creating a Sessions



18.10 Saving Session in DB

★ 176 connect-mongodb-session Lightweight MongoDB-based session store built and maintained by MongoDB.





prashantjain@Prashants-MacBook-Pro 13 mongoose % npm install connect-mongodb-session

```
added 3 packages, and audited 267 packages in 2s

48 packages are looking for funding
    run `npm fund` for details

found 0 vulnerabilities

const MongoDBStore = require('connect-mongodb-session')(session);

const MONGO_DB_URL = "mongodb+srv://root:root@kgcluster.ie6mb.mongodb.net

const store = new MongoDBStore({
    uri: MONGO_DB_URL,
    collection: 'sessions'
});

app.use(session({
    // Secret key used to sign the session ID cookie and encrypt session data
    secret: 'Complete Coding Secret',
    // Forces session to be saved back to the session store, even if not modified
    resave: false,
    // Forces a session that is "uninitialized" to be saved to the store
    saveUninitialized: true,
    store: store,
}));
```

In App.js file::

```
const session = require("express-session");
  const MongoDBStore = require("connect-mongodb-session")(session);
     "mongodb+srv://sagar389:sagar389@rentalcluster.zliqyrl.mongodb.net/homerental?retryWrites=true&w=majority&appName=rentalCluster";
const store=new MongoDBStore({
  uri:db_path,
  collection: 'sessions',
app.use(session({
  secret: 'home rental project',
  saveUninitialized:true,
  store,
app.use(storeRouter);
app.use('/host',(req,res,next)=>{
next()
  res.redirect('/login');
app.use("/host", hostRouter);
app.use(errorController.get404);
const PORT = 3001;
  .connect(db_path)
  .then(() => {
    console.log("Database Connected...");
     console.log(`Server running at address http://localhost:${PORT}`);
    console.log("Error Occur while connect to database:", err);
■ authController.js ×
17-CookiesAndSession > controllers > ⋅ s authController.js > ♦ postLogout > ♦ postLogout
       exports.getLogin = (req, res, next) => {
         res.render("auth/login", {
   pageTitle: "Login",
   currentPage: "login",
           isLoggedIn:false,
        exports.postLogin=(req,res,next)=>{
       // console.log("data :",req.body)
// req.isLoggedIn=true;
// res.cookie('isLoggedIn',true)
        req.session.isLoggedIn=true;
       res.redirect('/');
        exports.postLogout=(req,res,next)=>{
       // res.cookie('isLoggedIn',false)
// req.session.isLoggedIn=false;
         res.redirect('/login');
```