

## Practical - 4

- **AIM** : Login System using Session and Cookie
- **CODE** :

**app.js**

```
const express = require('express');
const bodyParser=require('body-parser');
const cookieParser=require('cookie-parser');
const session =require('express-session');

var app = express();

app.set('port',5555);

//app.use(bodyParser.urlencoded({
//    extended:true
//}))

//app.use(express.static(__dirname + '/login_cookie'));

app.use(express.urlencoded({
    extended:true
}))

app.use(cookieParser())

app.use(session({
    key:"user_id",
    secret:"RandomSecretKey",
    resave:false,
    saveUninitialized:false,
    cookie:{
        expires:600000,
```

```
    }
  )))

var sessionChecker=(req,res,next)=>{
  if(req.session.user && req.cookie.user_id){
    app.post('/',sessionChecker,(req,res)=>{
      // var username = req.body.username;
      // var hd = 'Hello : ' + username;
      // res.send(hd);
      //console.log(hd);
      //Document.getElementsByClassName('form');
      res.redirect("/dashboard")
    })
  }
  else{
    next()
  }
}

app.get('/',sessionChecker,(req,res)=>{
  res.redirect("/login")
})
app.route("/login")
.get(sessionChecker,(req,res)=>{
  res.sendFile(__dirname+"/login.html")
})

app.get('/',sessionChecker,(req,res)=>{
  res.redirect("/dashboard")
})
app.route("/dashboard")
.get(sessionChecker,(req,res)=>{
  res.sendFile(__dirname+"/dashboard")
})
app.listen(app.get('port'),()=>{
  console.log(`Login running on port no: ${app.get('port')}`)
})
```

## dashboard.html

```
<doctype html>
<html>
  <head>
```

```
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

</head>
<body class="container">
  <div class="page-header">
    <h1>Basic Login System</h1>

  </div>

  <nav class="navbar navbar-default">
    <div class="container-fluid">
      <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
        <ul class="nav navbar-nav">
          <li><a href="/">Home</a></li>
          <li><a href="F:\College\3rd_Year\SEM_5\CE377_Elective-AWT\Assignments\ECMAScript_Demo\login_cookie\signup.html">Signup</a></li>
          <li><a href="F:\College\3rd_Year\SEM_5\CE377_Elective-AWT\Assignments\ECMAScript_Demo\login_cookie\dashboard.html">Dashboard</a></li>
        </ul>

        <ul class="nav navbar-nav navbar-right">
          <li><a href="F:\College\3rd_Year\SEM_5\CE377_Elective-AWT\Assignments\ECMAScript_Demo\login_cookie\login.html">Log In</a></li>
          <li><a href="/logout">Log Out</a></li>
        </ul>
      </div>
    </div>
  </nav>

  <div class="container-row">
    <h1>Hi, Welcome to your Dashboard </h1>
    <h2>Hello Mr. Manan Hathi ! </h2>
  </div>
</body>

</html>
</doctype>
```

## signup.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Signup Here </title>
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  </head>
  <body class="container">
    <div class="page-header">
      <h1>Basic Login System</h1>

    </div>

    <nav class="navbar navbar-default">
      <div class="container-fluid">
        <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">

          <ul class="nav navbar-nav">
            <li><a href="/">Home</a></li>
            <li><a href="/signup">Signup</a></li>
            <li><a href="/dashboard">Dashboard</a></li>
          </ul>

          <ul class="nav navbar-nav navbar-right">
            <li><a href="/login">Log In</a></li>
            <li><a href="/logout">Log Out</a></li>
          </ul>
        </div>
      </div>
    </nav>
  </body>
</html>
```

## login.html

```
<html>
  <head>
    <title>Login Here </title>
    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
```

```
</head>
<body class="container">
  <div class="page-header">
    <h1>Basic Login System</h1>

  </div>

  <nav class="navbar navbar-default">
    <div class="container-fluid">
      <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
        <ul class="nav navbar-nav">
          <li><a href="/">Home</a></li>
          <li><a href="/signup.html">Signup</a></li>
          <li><a href="/dashboard.html">Dashboard</a></li>
        </ul>

        <ul class="nav navbar-nav navbar-right">
          <li><a href="/login">Log In</a></li>
          <li><a href="/logout">Log Out</a></li>
        </ul>
      </div>
    </div>
  </nav>

  <div class="container-row">
    <div class="jumbotron col-sm-4 pull-center">
      <form class="form" action="#" method="GET">
        <div class="form-group">
          <label>Username : </label>
          <input class="form-control" required type="text" name="username"/>
        </div>
        <div class="form-group">
          <label>Password : </label>
          <input class="form-control" required type="text" name="password"/>
        </div>
        <div class="form-group">
          <input class="btn btn-primary" type="submit" value="Log In"/>
        </div>
      </form>
    </div>
  </div>
</body>
</html>
```

- OUTPUT

