

TASKS:

Login System using Session and Cookie

App.js

```
const express = require('express')
const bodyParser = require('body-parser')
const cookieParser = require('cookie-parser')
const session = require('express-session')
// database
var User=require("./Modal/User")
var app = express();
app.set('port',5555);

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.cookies.user_id){
res.redirect("/dashboard")
} //is there any session created for user ? and is there any cookie created at
server side for that user
else{
next()
}
}
//routes
app.get('/',sessionChecker,(req,res)=>{
res.redirect("/login")
})
app.route("/login")
.get(sessionChecker,(req,res)=>{
res.sendFile(__dirname+"/Views/login.html")
})
})
```

```
.post(async(req,res)=>{
var username = req.body.username,
password = req.body.password
try{
var user=await User.findOne({username:username}).exec(); //Select username whe
re loginuser='Nikita'
if(!user){
res.send("User doesn't exist. sign up")
// res.send('<script>alert("User doesn\'t matched")</script>')
res.redirect("/login")
}
else{
// res.send("User exists")
// res.send('<script>alert("User MAtched")</script>')
user.comparePassword(password,(error,match)=>{
if(!match){
res.send("User exists but password doesn't matched. try again");
// res.send('<script>alert("Password doesnt matched")</script>')
res.redirect("/login")
}
res.send("Login Successfully");
// res.send('<script>alert("password Matched")</script>')
})
req.session.user=user;
res.redirect("/dashboard")
}
} catch(error){
console.log(error);
}
})
app.route("/signup")
.get(sessionChecker,(req,res)=>{
res.sendFile(__dirname+"/Views/Signup.html")
})
.post((req,res)=>{
var user=new User({
username:req.body.username,
email:req.body.email,
password:req.body.password
})
user.save((err,doc)=>{
if(err){
console.log(err);
res.redirect("/signup")
}else{
req.session.user=doc
res.redirect("/dashboard")
}
}
```

```

    })
  })
  app.get("/dashboard", (req, res) => {
    if (req.session.user && req.cookies.user_id) {
      res.sendFile(__dirname + "/Views/dashboard.html")
    } else {
      res.redirect("/login")
    }
  })
  app.get("/logout", (req, res) => {
    if (req.session.user && req.cookies.user_id) {
      res.clearCookie("user_id")
      res.redirect("/")
    } else {
      res.redirect("/login")
    }
  })
  app.use(function (req, res, next) {
    res.status(404).send("Sorry can't found the resources you want")
  })
  app.listen(app.get('port'), () => {
    console.log(`Login Demo running on port no: ${app.get('port')}`)
  })

```

Dashboard.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <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 : Dashboard</h1>
  </div>
  <nav class="navbar navbar-default">
    <div class="container-fluid">
      <!-- Collect the nav-links and other content for toggling -->
      <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">Sign Up</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><!--/.navbar-collapse-->
</div><!-- /.container-fluid-->
</nav>
<div class="container row">
  <h1>Hi,Welcome to your Dashboard</h1>
</div>
</body>
</html>

```

Signup.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Sign up 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 : Sign Up </h1>
  </div>
  <nav class="navbar navbar-default ">
    <div class="container-fluid">
      <!-- Collect the nav-links and other content for toggling -->
      <div class="collapse navbar-collapse" id="">
        <ul class="nav navbar-nav">
          <li><a href="/">Home</a></li>
          <li><a href="/signup">Sign Up</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><!--/.navbar-collapse-->
</div><!-- /.container-fluid-->
</nav>
<div class="container row">
<div class="jumbotron col-sm-4 pull-center" >
<form action="/signup" method="POST">
<div class="form-group">
<label>Username:</label>
<input class="form-control" required type="text" name="username"/>
</div>
<div class="form-group">
<label>Email:</label>
<input class="form-control" required type="email" name="email"/>
</div>
<div class="form-group">
<label>Password:</label>
<input class="form-control" required type="password" name="password"/>
</div>
<div class="form-group">
<input class="btn btn-success " type="submit" value="Signup"/>
</div>
</form>
</div>
</div>
</body>
</html>

```

Login.html

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<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 : Login</h1>
</div>
<nav class="navbar navbar-default">

```

```
<div class="container-fluid">
  <!-- Collect the nav-links and other content for toggling -->
  <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">Sign Up</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><!-- /.navbar-collapse -->
</div><!-- /.container-fluid -->
</nav>
<div class="container row">
  <div class="jumbotron col-sm-4 pull-center bg-warning">
    <form action="/login" method="POST">
      <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="password" name="password"/>
      </div>
      <div class="form-group">
        <input class="btn btn-success" type="submit" value="Log In"/>
      </div>
    </form>
  </div>
</div>
</div>
</body>
</html>
```

OUTPUT

Basic Login System : Sign Up

Home Sign Up Dashboard Log In Log Out

Username:
jeelparmar_123

Email:
jeelparmar9@gmail.com

Password:

Signup

Basic Login System : Dashboard

Home Sign Up Dashboard Log In Log Out

Hi,Welcome to your Dashboard

Basic Login System : Login

[Home](#) [Sign Up](#) [Dashboard](#) [Log In](#) [Log Out](#)

Username:

Password:

