



STAGE 3

Instructions

Open a new Command Prompt window in the background and type -

MONGOD

keep it running

Open another Command Prompt window and

Install the dependancies-

NPM INSTALL MONGODB --SAVE

First run db.js then run index.js

Put all the html files in public folder

db.js

var mongo = require("mongodb").MongoClient;

```
url = "mongodb://localhost:27017";
tunction drop() {
    let conn;
    mongo.connect(url)
            .then((client) => {
              conn = client;
              return client.db("test");
            })
            .then((db) => db.dropCollection("Login"));
}
function init() {
    drop();
    let conn;
    mongo.connect(url)
            .then((client) => {
              conn = client;
              return client.db("test");
            })
            .then((db) => db.createCollection("Login"))
            .then((collection) => collection.insertMany([
                    {username: "tom", password: "cat"},
                    {username: "harry", password: "potter"}
                ]))
            .then(() => conn.close())
            .then(() => test());
}
function test() {
    let conn;
    mongo.connect(url)
            .then((client) => {
              conn = client;
              return client.db("test");
            })
            .then((db) => db.collection("Login"))
            .then((collection) => collection.find())
            .then((data) => data.forEach(doc => console.log(doc)))
            .then(() => conn.close());
}
init();
```





index.js



```
var express = require('express');
var app = express();
var bodyParser = require('body-parser');
app.use(bodyParser.urlencoded({extended: false}));
app.use(bodyParser.json());
var cookieParser = require('cookie-parser');
app.use(cookieParser());
var session = require('express-session');
app.use(session({
    secret: "secret",
    resave: true,
    saveUninitialized: true
}));
var mongo = require("mongodb").MongoClient;
var url = "mongodb://localhost:27017";
(() => {
    let conn;
    mongo.connect(url)
            .then((client) => {
              conn = client;
              return client.db("test");
            })
            .then((db) => db.collection("Login"))
            .then((collection) => collection.find())
            .then(cursor => cursor.toArray())
            .then(data => app.locals.users = data)
            .then(() => conn.close());
})();
app.use(express.static('public'));
app.get("/Login", function (req, res) {
    if (req.session.isAuthenticated) {
        res.redirect("/su@cess/user/" + req.session.uname);
    } else {
```



```
if (req.session.try === undefined) req.session.try = 0;
        if (req.session.try === 3) res.redirect("Failure");
        else res.redirect("/Login.html");
    }
});
app.get("/Logout", function (req, res) {
    req.session.destroy();
    return res.redirect("/Login.html");
});
app.post('/authenticator', function (req, res) {
    if (req.session.try === undefined)
        res.redirect("/Login");
    else if (req.session.try < 3) {</pre>
        var Name = req.body.name;
        var Password = req.body.pass;
        console.log("Name is " + Name);
        console.log("Pass is " + Password);
        var userRecord = app.locals.users.filter(doc => Name ===
doc.username);
        console.log(userRecord[0]);
        if (userRecord[0] !== undefined) {
            if (Password === userRecord[0].password) {
                req.session.isAuthenticated = true;
                req.session.uname = Name;
                res.redirect("/success/user/" + req.session.uname);
            } else {
                req.session.try++;
                res.redirect("/Login");
            }
        }
        else {
                req.session.try++;
                res.redirect("/Login");
    } else res.redirect("/Failure");
});
app.get('/success/user/:name', function (req, res) {
    if (req.session.isAuthenticated) {
        res.send("<h1>Wel@pme " + req.params.name + "</h1>");
    } else res.redirect("/Login");
```





```
app.get('/Failure', function (req, res) {
    setTimeout(()=>req.session.destroy(),3000);
    res.redirect("/Failure.html");
});

app.listen(8081, function () {
    console.log('ExpressJS is running on port 8081');
});
```

Failure.html

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8" />
        <title>RPISE Login</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.
js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.m
in.js"></script>
        <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap
.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/roboto.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/material-fullpalette.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/ripples.min.css">
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/js/material.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/js/ripples.min.js"></script>
```

```
Rajesh Patkar - Stage 3
        <\rnk nret="nttps://tonts.googleapis.com/icon;</pre>
   ily=Material+Icons" rel="stylesheet">
        <style>
             .listcon ul
             {
                 margin: 0;
                 padding: 0;
                 list-style-type: none;
                 text-align: center;
             }
             div{
                 text-align: center;
             }
        </style>
    </head>
    <body>
        <div class="navbar navbar-inverse" >
             <div class="container-fluid">
                 <div class="navbar-header">
                     <button type="button" class="navbar-toggle"</pre>
data-toggle="collapse" data-target=".navbar-inverse-collapse">
                          <span class="icon-bar"></span>
                          <span class="icon-bar"></span>
                          <span class="icon-bar"></span>
                     </button>
                     <a class="navbar-brand"</pre>
href="javascript:void(0)">RPISE Login</a>
                 </div>
                 <div class="navbar-collapse collapse navbar-</pre>
inverse-collapse">
                 </div>
             </div>
        </div>
        <div class="jumbotron">
             <div class="container">
                 <div class="container">
                     <div>
                          <div>
                              <div class="jumbotron">
                                   <h1>Your 3 Tries are Exhausted!
</h1>
                                   <h2>You Entered Wrong
Username/Password 3 times //h2>
```

```
\/UIV/
                         </div>
                     </div>
                 </div>
            </div>
        </div>
        <script>
            $.material.init();
        </script>
        <div id="root"></div>
        <script type="text/babel"></script>
    </body>
</html>
```

Login.html

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8" />
        <title>RPISE Login</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.
js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.m
in.js"></script>
        <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap
.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/roboto.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/material-fullpalette.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/ripples.min.css">
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/js/material.min.js"></script>
        <script
src="https://cdnjs.cloudf@re.com/ajax/libs/bootstrap-material-
design/0.3.0/js/ripples.min.js"></script>
```

```
<link href="https://fonts.googleapis.com/icon?</pre>
    ly=Material+Icons" rel="stylesheet">
        <style>
            .listcon ul
            {
                margin: 0;
                padding: 0;
                list-style-type: none;
                text-align: center;
            }
            div{
                text-align: center;
            }
        </style>
    </head>
    <body>
        <div class="navbar navbar-inverse" >
            <div class="container-fluid">
                <div class="navbar-header">
                    <button type="button" class="navbar-toggle"</pre>
data-toggle="collapse" data-target=".navbar-inverse-collapse">
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                        <span class="icon-bar"></span>
                    </button>
                    <a class="navbar-brand"</pre>
href="javascript:void(0)">RPISE Login</a>
                </div>
                <div class="navbar-collapse collapse navbar-</pre>
inverse-collapse">
                    class="active"><a</li>
href="/Login">Login</a>
                        <a href="/Logout">Logout</a>
                    </div>
            </div>
        </div>
        <div class="jumbotron">
            <div class="container">
                <!--<div class="jumbotron">-->
                <div clas@="container">
                    <div>
```

```
<div>
                              <div class="panel panel-default">
                                  <div class="panel-body"
style="text-align: center;background:#3F51B5;color: white">
                                       <h4>Login</h4>
                                  </div>
                              </div>
                          </div>
                          <div>
                              <div class="jumbotron">
                                  <form method="POST"</pre>
action="/authenticator" class="form-horizontal">
                                       <fieldset>
                                           <div class="form-group">
                                               <label for="username"</pre>
class="col-md-1 control-label">Username</label>
                                               <div class="col-md-10">
                                                    <input type="text"</pre>
class="form-control" id="username" name="name"
placeholder="Username"/>
                                               </div>
                                           </div>
                                           <div class="form-group">
                                               <label for="password"</pre>
class="col-md-1 control-label">Password</label>
                                               <div class="col-md-10">
                                                    <input
type="password" class="form-control" name="pass" id="password"
placeholder="Password"/>
                                               </div>
                                           </div>
                                           <div class="form-group">
                                               <label class="col-md-1"</pre>
control-label"></label>
                                               <div class="col-md-10">
                                                    <input</pre>
type="submit" class="form-control" value="Login"/>
                                               </div>
                                           </div>
                                       </fieldset>
                                  </form>
                          () </div>
                          </div>
```

Logout.html

```
<!DOCTYPE html>
<html>
    <head>
        <meta charset="UTF-8" />
        <title>RPISE Login</title>
        <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.
js"></script>
        <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.m
in.js"></script>
        <link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap
.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/roboto.min.css">
        <link rel="stylesheet"</pre>
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/material_fullpalette.min.css">
```

```
<\ink re\="sty\esneet"</pre>
x f="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
   ign/0.3.0/css/ripples.min.css">
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/js/material.min.js"></script>
        <script
src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/js/ripples.min.js"></script>
        <link href="https://fonts.googleapis.com/icon?</pre>
family=Material+Icons" rel="stylesheet">
        <style>
             .listcon ul
             {
                 margin: 0;
                 padding: 0;
                 list-style-type: none;
                 text-align: center;
            }
            div{
                 text-align: center;
            }
        </style>
    </head>
                          (i)
```



```
<div class="navbar navbar-inverse" >
            <div class="container-fluid">
                <div class="navbar-header">
                   <button type="button" class="navbar-toggle"</pre>
data-toggle="collapse" data-target=".navbar-inverse-collapse">
                       <span class="icon-bar"></span>
                       <span class="icon-bar"></span>
                       <span class="icon-bar"></span>
                   </button>
                   <a class="navbar-brand"</pre>
href="javascript:void(0)">RPISE Login</a>
                </div>
                <div class="navbar-collapse collapse navbar-</pre>
inverse-collapse">
                   <a href="/Login">Login</a>
                       class="active"><a</li>
href="/Logout">Logout</a>
                   </div>
            </div>
        </div>
        <div class="jumbotron">
           <div class="container">
```

<!--<div class="jumbotron">-->



```
<div class="container">
                     <div>
                         <div>
                              <div class="jumbotron">
                                  <h1>Logged Out!</h1>
                              </div>
                         </div>
                     </div>
                 </div>
            </div>
        </div>
        <script>
            $.material.init();
        </script>
        <div id="root"></div>
        <script type="text/babel"></script>
    </body>
</html>
```

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