



# 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";

function 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();
```





```
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("/success/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) {
    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>Welcome " + 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"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap
.min.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/roboto.min.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/material-fullpalette.min.css">
    <link rel="stylesheet"
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>
    <link href="https://fonts.googleapis.com/icon?

```

```

<link href="https://fonts.googleapis.com/icon?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>
<body>
    <div class="navbar navbar-inverse" >
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle"
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"
href="javascript:void(0)">RPISE Login</a>
            </div>
            <div class="navbar-collapse collapse navbar-
inverse-collapse">
            </div>
        </div>
    </div>
    <div class="jumbotron">
        <div class="container">
            <div class="container">
                <div>
                    <div class="jumbotron">
                        <h1>Your 3 Tries are Exhausted!
</h1>
                        <h2>You Entered Wrong
Username/Password 3 times</h2>
                    </div>
                </div>
            </div>
        </div>
    </div>

```



```

    </div>
  </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"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap
.min.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/roboto.min.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/material-fullpalette.min.css">
    <link rel="stylesheet"
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>

```



```

<link href="https://fonts.googleapis.com/icon?
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>
<body>
    <div class="navbar navbar-inverse" >
        <div class="container-fluid">
            <div class="navbar-header">
                <button type="button" class="navbar-toggle"
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"
href="javascript:void(0)">RPISE Login</a>
            </div>
            <div class="navbar-collapse collapse navbar-
inverse-collapse">
                <ul class="nav navbar-nav">
                    <li class="active"><a
href="/Login">Login</a></li>
                    <li><a href="/Logout">Logout</a></li>
                </ul>
            </div>
        </div>
    </div>
    <div class="jumbotron">
        <div class="container">
            <!--<div class="jumbotron">-->
            <div class="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"
action="/authenticator" class="form-horizontal">
      <fieldset>
        <div class="form-group">
          <label for="username"
class="col-md-1 control-label">Username</label>

          <div class="col-md-10">
            <input type="text"
class="form-control" id="username" name="name"
placeholder="Username"/>
          </div>
        </div>
        <div class="form-group">
          <label for="password"
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
control-label"></label>

          <div class="col-md-10">
            <input
type="submit" class="form-control" value="Login"/>
          </div>
        </div>
      </fieldset>
    </form>
  </div>
</div>

```





```

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

```

## 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"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap
.min.css">

    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/roboto.min.css">

    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/material-fullpalette.min.css">

```



```
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/bootstrap-material-
design/0.3.0/css/ripples.min.css">
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<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?
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>
```



```
<body>

<div class="navbar navbar-inverse" >

  <div class="container-fluid">

    <div class="navbar-header">

      <button type="button" class="navbar-toggle"
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"
href="javascript:void(0)">RPISE Login</a>

    </div>

    <div class="navbar-collapse collapse navbar-
inverse-collapse">

      <ul class="nav navbar-nav">

        <li><a href="/Login">Login</a></li>

        <li class="active"><a
href="/Logout">Logout</a></li>

      </ul>

    </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>

<div id="root"></div>

<script type="text/babel"></script>

</body>

</html>
```