**Exercise02\_03\_01 – Step 1**

terminal

npm install ejs --save

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index.js

app.use(express.static(\_\_dirname + '/public'));

**Exercise02\_03\_01 – Step 2**

index.js

var app = express();

app.set('view engine', 'ejs');

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login.ejs

<!doctype html>

<html>

<head>

<title>Login</title>

<meta charset="UTF-8">

<meta name="viewport" content="initial-scale=1.0">

<link rel="stylesheet" href="login.css";

</head>

<body>

<div>

<h1>Twitter Notes</h1>

<h2>Your Personal Friends Diary</h2>

<a href="/auth/twitter">

<img src="sign-in-with-twitter-gray.png"></a>

</div>

</body>

</html>

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authenticator.js

clearCredentials: function () {

twitterCredentials.oauth\_token = "";

twitterCredentials.oauth\_token\_secret = "";

twitterCredentials.access\_token = "";

twitterCredentials.access\_token\_secret = "";

twitterCredentials.twitter\_id = "";

},

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index.js

app.get('/login', function(req, res) {

res.render('login');

});

app.use(express.static(\_\_dirname + '/public'));

index.js

app.get('/logout', function(req, res) {

authenticator.clearCredentials();

res.redirect('/login');

});

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index.js

function renderMainPageFromTwitter(req, res) {

}

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index.js

app.get('/allfriends', function(req, res) {

renderMainPageFromTwitter(req, res);

});

**Exercise02\_03\_01 – Step 3**

index.ejs

<!doctype html>

<html>

<head>

<title>Friends</title>

<meta charset="UTF-8">

<meta name="viewport" content="initial-scale=1.0">

<link rel="stylesheet" href="style.css">

</head>

<body>

<div id="wrapper">

<a href="/logout"><button type="button"   
 class="logout">Logout</button></a>

<div id="friends-column" class="column">

<h1>Your Followers</h1>

<ul id="friends">

</ul>

</div>

<div id="notes-column" class="column">

<h1>Notes</h1>

<ul id="notes"></ul>

</div>

</div>

</body>

</html>

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index.js

app.get('/', function(req, res) {

var credentials = authenticator.getCredentials();

if (!credentials.access\_token ||   
 !credentials.access\_token\_secret) {

return res.redirect('/login');

}

return renderMainPageFromTwitter(req, res);

});

index.js

app.get(url.parse(config.oauth\_callback).path, function (req, res) {

authenticator.authenticate(req, res, function (err) {

if (err) {

res.redirect('/login');

} else {

res.redirect('/');

}

});

});

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index.ejs

<ul id="friends">

<% friends.forEach(function(friend) { %>

<% }); %>

</ul>

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index.ejs

<% friends.forEach(function(friend) { %>

<li uid="<%= friend.twitter\_id %>"   
 class="friend">

<img class="profile-image"   
 src="<%= friend.profile\_image\_url %>">

<p>

<span class="name">  
 <%= friend.name %></span>

<span class="screen-name">  
 <%= friend.screen\_name %></span>

</p>

<p class="location">  
 <%= friend.location %></p>

</li>

<% }); %>

index.js

friends = friends.map(function(friend) {

return {

twitter\_id: friend.id\_str,

for\_user: credentials.twitter\_id,

name: friend.name,

screen\_name: friend.screen\_name,

location: friend.location,

profile\_image\_url:   
 friend.profile\_image\_url

};

});

res.send(friends);

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index.js

res.render('index', { friends: friends });