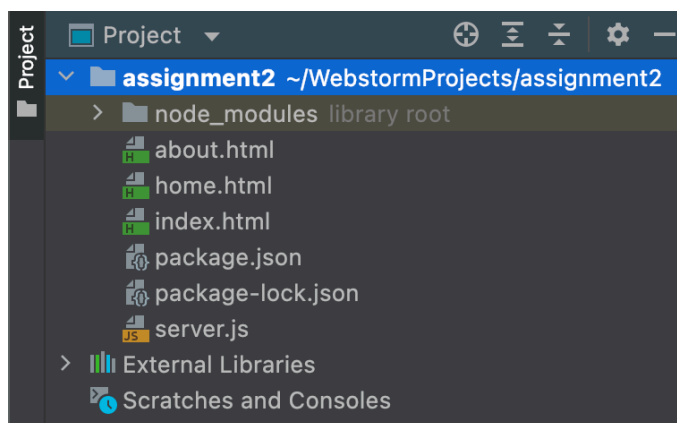7 APRIL 2022

ASSIGNMENT 2

The main goal of this assignment is to implement smart routing for your web application using Express and Node.js.

TASKS TO BE DONE:

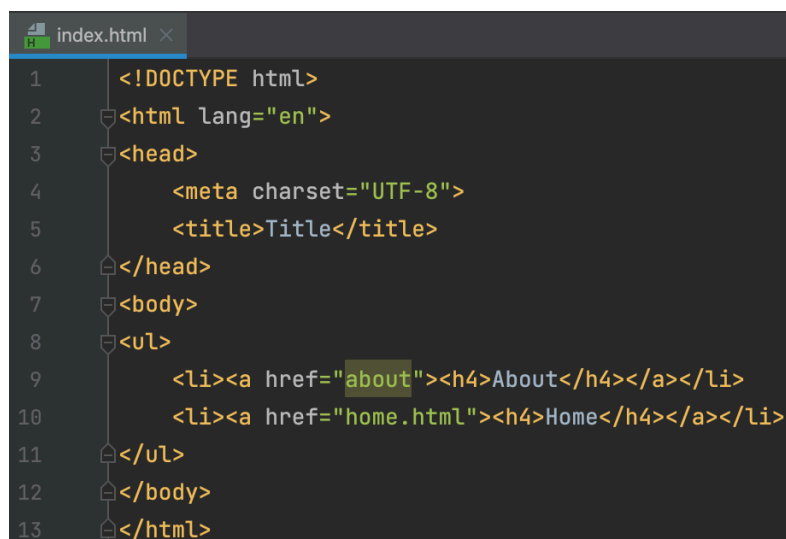You are provided with assignment2.zip archive on Moodle

First of all unzip that archive and open it with WebStorm.

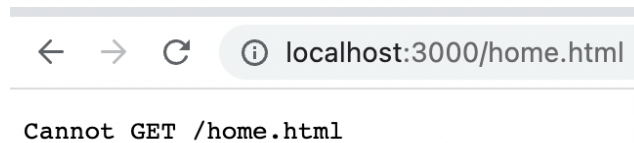After opening of the project, you will see following structure:

Pay attention on the content of each file

As you see below, «index.html» have two links: «about» and «home.html». Run «server.js» and check both hyperlinks.


```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
</head>
<body>
<ul>
    <li><a href="about"><h4>About</h4></a></li>
    <li><a href="home.html"><h4>Home</h4></a></li>
</ul>
</body>
</html>
```

At this point, after running «server.js», you probably seen «about» works fine, whereas «home.html» doesn't work, and you get following:


```
Cannot GET /home.html
```

The reason is that our server which was created with Express.js doesn't know anything except the things that we had written manually

Now let's see what we have on «server.js» file:


```javascript
const express = require("express");
const app = express();
const port = 3000;

app.get('/',((req : Request<P, ResBody, ReqBody, ReqQuery, Locals> , res : Response<ResBody, Locals> ) => {
    res.sendFile( path: __dirname+'/index.html')
}))

app.get('/about',((req : Request<P, ResBody, ReqBody, ReqQuery, Locals> , res : Response<ResBody, Locals> ) => {
    res.sendFile( path: __dirname+'/about.html')
}))

app.listen(port, callback: () =>
    console.log(`App listening at http://localhost:${port}`)
);
```

As you see on picture, we have a route specified for «root» ('/') and «about» ('/about') pages, and did not specified anything for «home.html»

Try to fix everything

After understanding everything from this example, start to create a routing for your own project. Use an article from the link below to structure routes on your project (and yes, it is mandatory!):

https://medium.com/@baha.applecity/how-to-write-smarter-routing-with-express-and-node-js-b748b1907291