Homework -1

1. Create a npm project and install Express.js (Nodemon if you want)
2. Change your Express.js app which serves HTML files (of your choice with your content) for "/", "/users" and "/products".
3. For "/users" and "/products", provides GET and POST requests handling (of your choice with your content) in different routers.
4. Add some static (.js or .css) files to your project that should be required by at least one of your HTML files.
5. Customize your 404 page
6. Provide your own error handling

```js
//app.js
const express = require('express');
const routerUser = require('./routes/user');
const routerProduct = require('./routes/product');
const path = require('path');
const bodyParse = require('body-parser');


const app = express();
app.use(bodyParse.urlencoded());
app.use(routerUser);
app.use(routerProduct);
app.use(express.static(path.join(__dirname, 'static')));

app.get('/',(req,res)=>{
    res.send("Front Page!!!");
});

app.get('/error',(req, res) => {
    res.status(404).sendFile(path.join(__dirname, 'views', '404.html'));
    });


app.listen(8080,()=>{
    console.log("server start on port 8080...");
});
```

```javascript
//product router class
const express = require('express');
const path = require('path');
 const options = {
     "caseSensitive": false,
      "strict": false
    };
const routerProduct = express.Router(options);

routerProduct.get('/products', (req, res, next) => {
    res.status(200).sendFile(path.join(__dirname,'..','views', 'product.html'));

    });


    routerProduct.post('/products', (req, res, next) => {
    console.log(req.body);
     res.redirect('/');
     });

module.exports = routerProduct;
```

```javascript
//user router class
const express = require('express');
const path = require('path');

 const options = {
     "caseSensitive": false,
      "strict": false
    };
const routerUser = express.Router(options);

routerUser.get('/users', (req, res, next) => {
    res.status(200).sendFile(path.join(__dirname,'..','views', 'user.html'));

    });


    routerUser.post('/users', (req, res, next) => {
    console.log(req.body);
     res.redirect('/');
     });

module.exports = routerUser;
```

```html
<!-- user html -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
    <link rel="stylesheet" href="/css/style.css">
</head>
<body>

    <form action="/users" method="post">
        UserName : <input type="text" name="name"> <br>
        Age : <input type="text" name="age">

        <input type="submit" value="Save">
    </form>

</body>
</html>
```

```html
<!-- product html -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
    <link rel="stylesheet" href="/css/style.css">
</head>
<body>

    <form action="/products" method="post">
        ItemName : <input type="text" name="itemName"> <br>
        Price : <input type="text" name="price">

        <input type="submit" value="Save">
    </form>

</body>
</html>
```

```html
<!-- 404 page -->
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
</head>
<body>
    <h1>ERROR PAGE!!! </h1>
</body>
</html>
```