

1. Открыть в своей TODO-list как проект (можно выполнить нижеперечисленные шаги на пустом проекте, но позже придется переносить в него все файлы из TODO-list)
2. Проверить и установить, если требуется NodeJS (проверить через "node -v" в терминале IDE)

```
PS C:\Users\admin\Desktop\ToDoList-main> node -v  
v20.12.2
```


3. Сгенерить/создать package.json ("npm init -y")

```
PS C:\Users\admin\Desktop\ToDoList-main> npm init -y  
Wrote to C:\Users\admin\Desktop\ToDoList-main\package.json:  
  
{  
  "name": "todolist-main",  
  "version": "1.0.0",  
  "description": "",  
  "main": "main.js",  
  "scripts": {  
    "test": "echo \"Error: no test specified\" && exit 1"  
  },  
  "keywords": [],  
  "author": "",  
  "license": "ISC"  
}
```

4. Поставить и удалить библиотеку lodash ("npm i lodash", "npm un lodash"): убедиться, что работает установка библиотек

```
PS C:\Users\admin\Desktop\ToDoList-main> npm i lodash  
  
added 1 package, and audited 2 packages in 1s  
  
found 0 vulnerabilities  
PS C:\Users\admin\Desktop\ToDoList-main> npm un lodash  
  
removed 1 package, and audited 1 package in 395ms  
  
found 0 vulnerabilities
```

5. Поставить Webpack и создать webpack.config.js

```
PS C:\Users\admin\Desktop\ToDoList-main> npm i webpack  
  
added 78 packages, and audited 79 packages in 6s  
  
9 packages are looking for funding  
run `npm fund` for details  
  
found 0 vulnerabilities  
  
 webpack.config.js
```

6. Особое внимание к структуре проекта (!) Файлы js, css, и html нужно складывать четко соблюдая дерево папок из примера. Если что-то не будет совпадать, Webpack не работает
7. В package.json прописать скрипты для старта и сборки проекта: "start": "webpack-dev-server --config webpack.config.js", "build": "webpack --config webpack.config.js"
8. Убедиться, что скрипты работают ("npm run start", "npm run build"), проект стартует на <http://localhost:8080>

```
PS C:\Users\admin\Desktop\ToDoList-main> npm run build
Debugger attached.

> todolist-main@1.0.0 build
> webpack --config webpack.config.js

Debugger attached.
asset vasya.bundle.js 15.8 KiB [emitted] (name: main)
asset style.css 2.34 KiB [emitted] [from: public/style.css] [copied]
asset index.html 1.09 KiB [emitted]
asset icon.png 248 bytes [emitted] [from: public/icon.png] [copied]
./src/index.js 3.66 KiB [built] [code generated]
webpack 5.91.0 compiled successfully in 718 ms
Waiting for the debugger to disconnect...
Waiting for the debugger to disconnect...
PS C:\Users\admin\Desktop\ToDoList-main> npm run start
Debugger attached.

> todolist-main@1.0.0 start
> webpack-dev-server --config webpack.config.js

Debugger attached.
<i> [webpack-dev-server] Project is running at:
<i> [webpack-dev-server] Loopback: http://localhost:8080/
<i> [webpack-dev-server] On Your Network (IPv4): http://192.168.0.12:8080/
<i> [webpack-dev-server] Content not from webpack is served from 'C:\Users\admin\Desktop\ToDoList-main\public' directory
asset vasya.bundle.js 620 KiB [emitted] (name: main)
asset style.css 2.34 KiB [emitted] [from: public/style.css] [copied]
asset index.html 1.09 KiB [emitted]
asset icon.png 248 bytes [emitted] [from: public/icon.png] [copied]
runtime modules 26.3 KiB 11 modules
modules by path ./node_modules/ 172 KiB
  modules by path ./node_modules/webpack-dev-server/client/ 69.7 KiB 16 modules
  modules by path ./node_modules/webpack/hot/*.js 5.18 KiB
    ./node_modules/webpack/hot/dev-server.js 1.94 KiB [built] [code generated]
    ./node_modules/webpack/hot/log.js 1.74 KiB [built] [code generated]
    + 2 modules
  modules by path ./node_modules/html-entities/lib/*.js 78.9 KiB
    ./node_modules/html-entities/lib/index.js 4.84 KiB [built] [code generated]
    ./node_modules/html-entities/lib/named-references.js 73.1 KiB [built] [code generated]
    ./node_modules/html-entities/lib/numeric-unicode-map.js 389 bytes [built] [code generated]
    ./node_modules/html-entities/lib/surrogate-pairs.js 583 bytes [built] [code generated]
    ./node_modules/ansi-html-community/index.js 4.16 KiB [built] [code generated]
    ./node_modules/events/events.js 14.5 KiB [built] [code generated]
  ./src/index.js 3.66 KiB [built] [code generated]
webpack 5.91.0 compiled successfully in 1046 ms
```

9. В файле .gitignore указать игнорируемые при коммите папки

```
❖ .gitignore
1  node_modules
2  build
```