Tools 

**DEADLINE**: 15/04/2018

## FOLDER STRUCTURE

homework\_09/

└─ src

└─ .gitignore

└─ package.json

└─ webpack.common.js

└─ webpack.dev.js

└─ webpack.prod.js

## TASK

Setup development environment using webpack:

* add .gitignore file, that specifies intentionally untracked files to ignore. Add node\_modules and bin folders to .gitignore
* install packages listed in package.json file, run npm i
* add webpack.common.js, it should:

- create app.bundle.js, from all .js files listed in src folder

- create style.css file, from all .sass files listed in src folder

- create index.html file, from app.html

- include app.bundle.js and style.css to index.html

- output all generated files to homework\_09/bin directory

- remove bin folder before each build

- exclude locales from moment.js library, read -https://webpack.js.org/plugins/ignore-plugin

* add webpack.dev.js, it should:
  + add source-maps for src/\*.js files
  + open dev-server with live reload on :8080 port
* add webpack.prod.js, it should:
  + minify js
  + minify css
  + open bundle analyzer(BundleAnalyzerPlugin),
* add npm scripts for prod and dev builds, package.json file
* run npm start, clock-app should be opened on local-host
* npm run build, should generate bin folder and open bundle analyzer
* tip: check package.json dev-dependencies and use them to implement all tasks

## 

## RESTRICTIONS

* It is restricted to change src/ folder content and name
* It is restricted to install npm-packages, not listed in package.json file

## BEFORE SUBMIT

* run successfully prod build
* run successfully dev build
* delete node-modules and bin folders

## USEFUL LINKS

* <https://webpack.js.org>
* <https://webpack.js.org/guides/production>
* <https://git-scm.com/docs/gitignore>
* <https://webpack.js.org/plugins/ignore-plugin>