**Tools**

**DEADLINE:** 23/10/2018

**FOLDER STRUCTURE**

FL\_9\_9\_homework\_tools/

homework/\*

package.json\*

yarn-lock.json\*

.gitignore\*

.jshintrc\*

gulpfile.js\*

src/\*

js/\*

canvasState.js\*

clock.js\*

app.js\*

sass/\*

clock.scss\*

app.scss\*

app.html\*

**TASK**

Setup development environment using gulp and yarn:

* add .gitignore file, that specifies intentionally untracked files to ignore. Add node\_modules and dist folders to .gitignore
* install packages listed in package.json file
* add jshint to devDependencies
* create .jshintrc
* add gulpfile.js, it should:
  + create app.min.js, from all .js files listed in src/js folder
  + create style.min.css file, from all .scss files listed in src/sass folder
  + create index.html file, from app.html
  + output all generated files to dist/ directory
  + remove min files after each build
* include app. min.js and style. min .css to app.html
* gulp default task should:
  + open dev-server with live reload on :8080 port
* gulp build-prod task should:
  + copy minify css, js and html files to dist with correct path.
* gulp build task should:
  + create min css and js files with source-map
* add yarn scripts for prod and dev builds in package.json file
* add yarn script to run JS check
* run yarn start, clock-app should be opened on local-host
* yarn run build, should build app
* yarn run build:prod, should build product dist
* tip: check package.json dev-dependencies and use them to implement all tasks

**RESTRICTIONS**

* It is restricted to change src/ folder content and name

**BEFORE SUBMIT**

* Verify that code is formatted.
* Remove unnecessary code.
* Verify that all functionality is implemented according to requirements.
* remove or add comments.
* run successfully prod build
* run successfully dev build
* run successfully check
* delete node-modules and dist folders
* don’t forget commit yarn.locl file

**SUBMIT**

The folder should be uploaded to GitHub repository ‘fl-9’ into master branch.

**USEFUL LINKS**

* <https://git-scm.com/docs/gitignore>
* <https://yarnpkg.com>
* <https://gulpjs.com/>
* <https://jshint.com/>