**Front library**

**"@babel/core"**: **"7.1.0"**,  
**"@mapbox/mapbox-gl-directions"**: **"^4.0.3"**,  
**"@mapbox/mapbox-gl-geocoder"**: **"^4.6.0"**,  
**"@mapbox/mapbox-gl-language"**: **"^0.10.1"**,  
**"@material-ui/core"**: **"^4.11.0"**,  
**"@reach/combobox"**: **"^0.10.5"**,  
**"@react-google-maps/api"**: **"^1.9.9"**,  
**"availity-reactstrap-validation"**: **"^2.6.0"**,  
**"axios"**: **"^0.19.2"**,  
**"babel-core"**: **"7.0.0-bridge.0"**,  
**"babel-jest"**: **"23.6.0"**,  
**"babel-loader"**: **"8.0.4"**,  
**"babel-plugin-named-asset-import"**: **"^0.2.3"**,  
**"babel-preset-react-app"**: **"^6.1.0"**,  
**"bootstrap"**: **"^4.3.1"**,  
**"chart.js"**: **"^2.8.0"**,  
**"component-will-mount-hook"**: **"^1.0.2"**,  
**"cors"**: **"^2.8.5"**,  
**"css-loader"**: **"1.0.0"**,  
**"date-fns"**: **"^2.15.0"**,  
**"dotenv"**: **"6.0.0"**,  
**"dotenv-expand"**: **"4.2.0"**,  
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**"eslint-config-react-app"**: **"^3.0.8"**,  
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**"eslint-plugin-flowtype"**: **"2.50.1"**,  
**"eslint-plugin-import"**: **"2.14.0"**,  
**"eslint-plugin-jsx-a11y"**: **"6.1.2"**,  
**"eslint-plugin-react"**: **"7.11.1"**,  
**"fetch-instagram"**: **"^1.0.0-alpha.3"**,  
**"file-loader"**: **"2.0.0"**,  
**"fork-ts-checker-webpack-plugin-alt"**: **"0.4.14"**,  
**"fs-extra"**: **"7.0.0"**,  
**"google-maps-react"**: **"^2.0.6"**,  
**"html-webpack-plugin"**: **"4.0.0-alpha.2"**,  
**"identity-obj-proxy"**: **"3.0.0"**,

**"jest"**: **"23.6.0"**,  
**"jest-pnp-resolver"**: **"1.0.1"**,  
**"jest-resolve"**: **"23.6.0"**,  
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**"mapbox-gl-directions"**: **"^3.0.3"**,  
**"mdbreact"**: **"^4.27.0"**,  
**"mini-css-extract-plugin"**: **"0.4.3"**,  
**"optimize-css-assets-webpack-plugin"**: **"5.0.1"**,  
**"pnp-webpack-plugin"**: **"1.1.0"**,  
**"postcss-flexbugs-fixes"**: **"4.1.0"**,  
**"postcss-loader"**: **"3.0.0"**,  
**"postcss-preset-env"**: **"6.0.6"**,  
**"postcss-safe-parser"**: **"4.0.1"**,  
**"react"**: **"^16.13.1"**,  
**"react-admin"**: **"^3.7.1"**,  
**"react-anchor-link-smooth-scroll"**: **"^1.0.12"**,  
**"react-app-polyfill"**: **"^0.1.3"**,  
**"react-bootstrap"**: **"^1.0.0-beta.9"**,  
**"react-chartjs"**: **"^1.2.0"**,  
**"react-chartjs-2"**: **"^2.7.6"**,  
**"react-ckeditor-component"**: **"^1.1.0"**,  
**"react-countup"**: **"^4.2.0"**,  
**"react-data-grid"**: **"^6.1.0"**,  
**"react-datepicker"**: **"^2.8.0"**,  
**"react-daum-postcode"**: **"^1.9.0"**,  
**"react-dev-utils"**: **"^6.1.1"**,  
**"react-dom"**: **"^16.13.1"**,  
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**"react-dropzone-uploader"**: **"^2.10.1"**,  
**"react-feather"**: **"^2.0.3"**,  
**"react-fontawesome"**: **"^1.6.1"**,  
**"react-geocode"**: **"^0.2.1"**,  
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**"react-google-maps"**: **"^9.4.5"**,  
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**"react-image-magnifiers"**: **"^1.2.1"**,  
**"react-image-zoom"**: **"^0.7.0"**,  
**"react-images-upload"**: **"^1.2.7"**,  
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**"react-input-range"**: **"^1.3.0"**,  
**"react-instafeed"**: **"^0.4.0"**,  
**"react-loading-bar"**: **"0.0.7"**,  
**"react-magnific-popup"**: **"^1.0.1"**,  
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**"react-modal"**: **"^3.11.2"**,  
**"react-naver-maps"**: **"^0.0.13"**,  
**"react-pace-progress"**: **"^2.0.0"**,  
**"react-paypal-express-checkout"**: **"^1.0.5"**,  
**"react-photo-gallery"**: **"^8.0.0"**,  
**"react-redux"**: **"^7.1.0"**,  
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**"react-redux-multilingual"**: **"^2.0.4"**,  
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**"react-router-scroll-4"**: **"^1.0.0-beta.2"**,  
**"react-router-transition"**: **"^2.0.0"**,  
**"react-scripts"**: **"3.4.1"**,  
**"react-simple-chatbot"**: **"^0.6.1"**,  
**"react-slick"**: **"^0.24.0"**,  
**"react-slide-toggle"**: **"^0.1.13"**,  
**"react-smart-data-table"**: **"^0.7.1"**,  
**"react-star-rating-component"**: **"^1.4.1"**,  
**"react-sticky-box"**: **"^0.7.8"**,  
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**"redux-logger"**: **"^3.0.6"**,  
**"redux-thunk"**: **"^2.3.0"**,  
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**"scss"**: **"^0.2.4"**,  
**"simple-react-validator"**: **"^1.2.4"**,  
**"slick-carousel"**: **"^1.8.1"**,  
**"smartmenus"**: **"^1.1.0"**,  
**"style-loader"**: **"0.23.0"**,  
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**"underscore"**: **"^1.10.2"**,  
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**"use-places-autocomplete"**: **"^1.3.10"**,  
**"use-react-router"**: **"^1.0.7"**,  
**"webpack-dev-server"**: **"3.1.9"**,  
**"webpack-manifest-plugin"**: **"2.0.4"**,  
**"workbox-webpack-plugin"**: **"3.6.3"**

BackEnd

spring-boot-configuration-processor"  
'h2', version: '1.4.200'  
spring-boot-starter-web'  
'spring-boot-starter', version: '2.2.5.RELEASE'  
'spring-boot-devtools', version: '2.2.5.RELEASE'  
'spring-boot-starter-web-services', version: '2.2.5.RELEASE'  
'lombok', version: '1.18.12'  
'mariadb-java-client', version: '2.5.4'  
'spring-boot-starter-data-jpa', version: '2.2.5.RELEASE'  
'springfox-swagger2', version: '2.9.2'  
'springfox-swagger-ui', version: '2.9.2'  
'querydsl-jpa', version: '4.3.0'  
'querydsl-apt', version: '4.3.0'  
'aws-java-sdk', version: '1.11.744'  
'gson', version: '2.7'  
'opencsv', version: '5.2'  
'opencsv', version: '2.4'  
'commons-csv', version: '1.8'

spring-boot-starter-tomcat'  
spring-boot-starter-test' module: 'junit-vintage-engine'

자가 검증을 위한 체크리스트, 페이지별 검증할 기능 정의.

* 기사, 게시판, 댓글 페이지.
  + 전체 기사 보기
  + 전체기사 페이지네이션
  + 기사 검색
  + 기사 입력
  + 기사 수정
  + 기사 삭제
  + 댓글 보기
  + 댓글 입력
  + 댓글 수정
  + 댓글 삭제
  + 댓글 검색(제목, 내용)