

Grunt workflow POC

1. Create Project on GitHub
 - a. <https://github.com/eshacker/grunt-and-minify-poc>
2. Clone and use node
 - a. `git clone git@github.com:eshacker/grunt-and-minify-poc.git && nvm use node`
 - i. it clones the repo first.
 - ii. it uses nvm to load node.
 - iii. nvm is node version manager.
 - iv. You probably would require to use https-url version instead of git-url for cloning.
 - b. `cd` into the directory.
3. `npm init`
4. `mkdir src && cd src && mkdir css && mkdir js && touch index.html && cd ..`
5. `git add . && git commit -m "Structure of the example application." && git log -n1`
 - a. You should see "Structure of the example application." as the last line of the output due to `git log -n1`
6. Fill up `src/index.html`, `src/js/index.js`, `src/css/index.less`
 - a. use any data.
 - b. get the app working.
7. Install grunt via node package manager
 - a. Read <http://gruntjs.com/getting-started>
 - b. `npm install -g grunt-cli`
 - c. verify as follow
 - i. `grunt --version` should print `grunt-cli v0.1.13` where `v0.1.13` is variable and might be different for you.
8. install grunt plugin for uglifying JS.
 - a. <https://github.com/gruntjs/grunt-contrib-uglify>
 - b. install with
 - i. `npm install grunt-contrib-uglify --save-dev`
 - c. Check status by running
 - i. `git status`
 - ii. You should see a change in `package.json` file and a directory `node_modules` created in the root of the repo.
 - d. Create a `.gitignore` file in the root of the directory and add
 - i. on a line
 1. `node_modules/`
 - e. Now check git status again, you shouldn't see `node_modules`.
 - i. you though will see a `.gitignore` file.
 - f. Create a `Gruntfile.js`

- i. Get the basic configuration from <http://gruntjs.com/getting-started>
 - ii. update the structure using your head.
 - g. add this to Gruntfile.js
 - i. `grunt.loadNpmTasks('grunt-contrib-uglify');`
 - h. `git add . && git commit -m "working js uglifier"`
 - i. You probably want to
 - i. `npm install grunt --save-dev`
 - j. Check for output using
 - i. `grunt`
 - ii. You should see a build/ or dist/ directory in root of repo if everything is going right.
 - iii. Otherwise just follow the error.
- 9. Convert your CSS files to LESS files
- 10. Install grunt contrib less
 - a. <https://github.com/gruntjs/grunt-contrib-less>
 - b. `npm install grunt-contrib-less --save-dev`
 - c. add this to Gruntfile.js
 - i. `grunt.loadNpmTasks('grunt-contrib-less');`
 - d. Make changes as you wish.
 - e. Use compress option.
- 11. save changes in git repo.
- 12. Minify and copy html pages.
 - a. Install
 - i. `npm install grunt-contrib-htmlmin --save-dev`
 - b. Update Gruntfile.js
 - i. `grunt.loadNpmTasks('grunt-contrib-htmlmin');`
- 13. Of course you need to add htmlmin and less to the default task list and command grunt.
- 14. This POC/sample is complete. Time Taken: 2 hours 40 minutes.