



DEPLOYING YOUR APP



TRANSPILING WITH BABEL:

To set up Babel for a project (one time only per project):

1. At the command line, navigate to the main directory for your app.
2. Enter the following command:
`npm init -y`
3. Enter the following command:
`touch .babelrc`
4. Open the `.babelrc` file you just created in your editor, type

```
{  
  "presets": ["env"]  
}
```

then save your changes and close the file.
5. Enter the following command:
`npm install babel-cli --save-dev`
*Note: As long as you receive no error messages (marked **ERR**), you can ignore any warnings (marked **WARN**).*
6. Enter the following command:
`npm install babel-preset-env --save-dev`
7. Open the `package.json` file in your editor, add the following key-value pair within the “scripts” object:
`"build": "babel js -d lib"`
then save your changes and close the file.
Note: Be sure to include a comma between key-value pairs, but not after the final key-value pair — remember the JSON rules!

To transpile the contents of the `js` folder:

Enter the following command:

```
npm run build
```

In your editor, open the `.js` file from the `lib` folder, which should be the transpiled version, and verify that the code has been transpiled.

NPM COMMANDS & FLAGS

<code>npm init</code>	Creates a <code>package.json</code> file for the current directory	<code>--save-dev</code>	Marks a package as necessary only for development
<code>npm install pkg</code>	Installs an npm package	<code>-g</code>	Installs a package globally
<code>npm run command</code>	Run a command configured in <code>package.json</code>		

DEPLOYING TO FIREBASE HOSTING:



To set up Firebase Hosting (one time only):

1. On firebase.google.com, in the console for your app, click Hosting, then click Get Started.
2. Execute the command shown using the terminal on your computer, then return to the browser and click Continue.
3. In your Terminal app, execute the `firebase login` command.
4. In your Terminal app, navigate to the folder containing your app files, then execute the `firebase init` command.
5. Move the files for your app into the newly created public subfolder.
6. In your Terminal app, execute the `firebase deploy` command.

To update the front end (HTML/CSS/JS) of your Firebase site (every time you're ready to push new changes):

In your Terminal app, cd into the main folder of your Firebase project, then execute the `firebase deploy` command.



DEPLOYING TO GITHUB PAGES:

To set up your GitHub Pages repo (one time only):

1. On github.com, create a repo called `username.github.io`, where username is your GitHub username
On GitHub Enterprise, name the repo `username.git.generalassemb.ly`
2. Click the Clone or Download button for the new repo and copy the address
3. In your terminal, navigate to the parent folder where you want to add the new repo, then type
`git clone`, paste the copied address, and press Enter
4. Create or move the files for your app into the newly created `username.github.io` (or `username.git.generalassemb.ly`) folder

To update your GitHub Pages site (every time you're ready to push new changes):

In your Terminal app, cd into the `username.github.io` (or `username.git.generalassemb.ly`) folder, then use the standard commands for updating a git repo:

```
git add .  
git commit -m "description of change"  
git push origin master
```

(remember that these are 3 separate commands, which you should execute one at a time)