

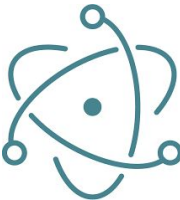


ELECTRON

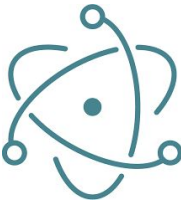
# What is electron?

- Open Source Framework
- Cross Platform Desktop Apps
- HTML, CSS, JS

Popular Apps built with electron:



# How it works



# Problems without electron

- Different languages for websites and desktop apps
- Hard to access native platform features

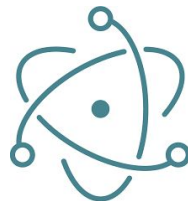
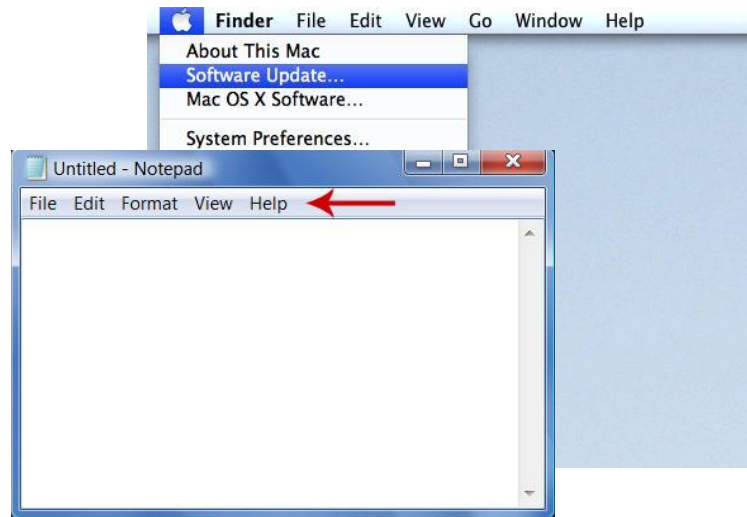


# How electron solves them

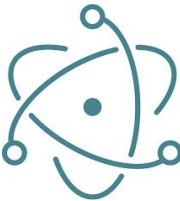
- Web Technologies (only the good)
- Platform-specific features

## More pros:

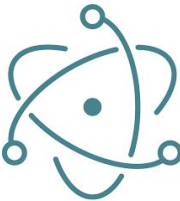
- use of frameworks (angular.js, Bootstrap, Typescript, ...)
- easily port websites to desktop applications



# Competitors



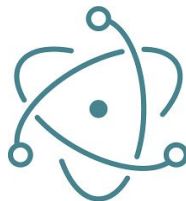
# Code-Sample



# Requirements

You have to have Node.js installed

Download it here: <https://nodejs.org/en/download/>



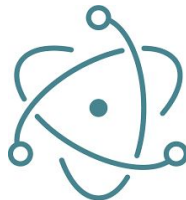


# Install electron

In an empty project folder:

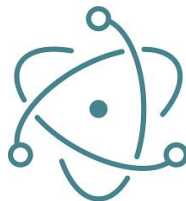
```
npm init
```

```
npm install electron --save-dev
```



# ./package.json

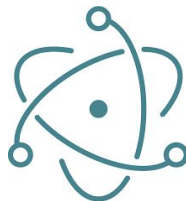
```
{  
  "name": "electron-demo",  
  "version": "1.0.0",  
  "description": "Electron demo app for a school presentation",  
  "main": "main.js",  
  "scripts": {  
    "start": "electron ."  
  },  
  "author": "Simon Schiller",  
  "license": "MIT",  
  "devDependencies": {  
    "electron": "^1.4.8"  
  }  
}
```



# ./main.js

Copy the main.js file from this website:

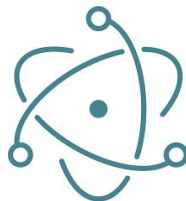
<http://electron.atom.io/docs/tutorial/quick-start/>



# Sample project

Copy these file from <https://github.com/simonschiller/electron-demo>

- index.html
- about.html
- main.js
- js/
- css/



# Install NeDB

In the project folder:

```
npm install nedb --save
```



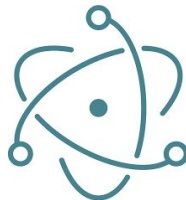
# Package the application

In the project folder:

```
npm install electron-packager -g  
electron-packager . --platform=win32 --arch=x64
```

For every platform:

```
electron-packager . --all
```



Thanks for your attention!

