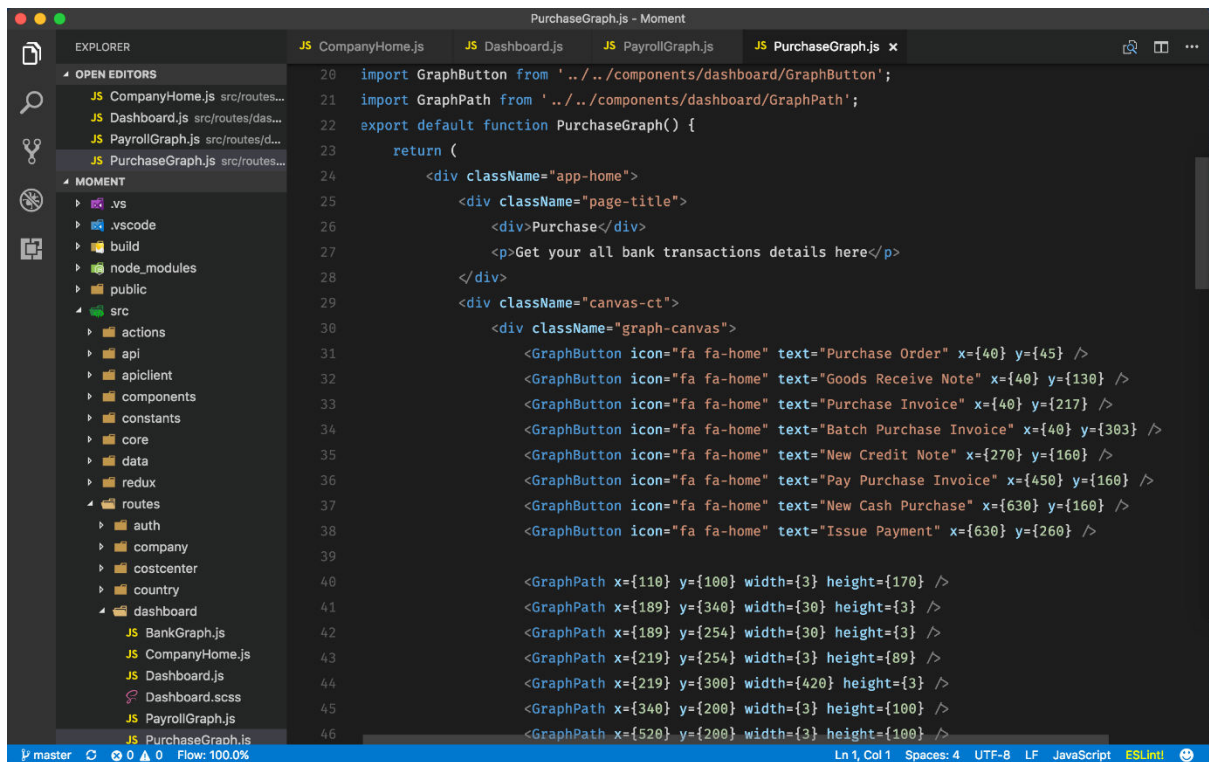
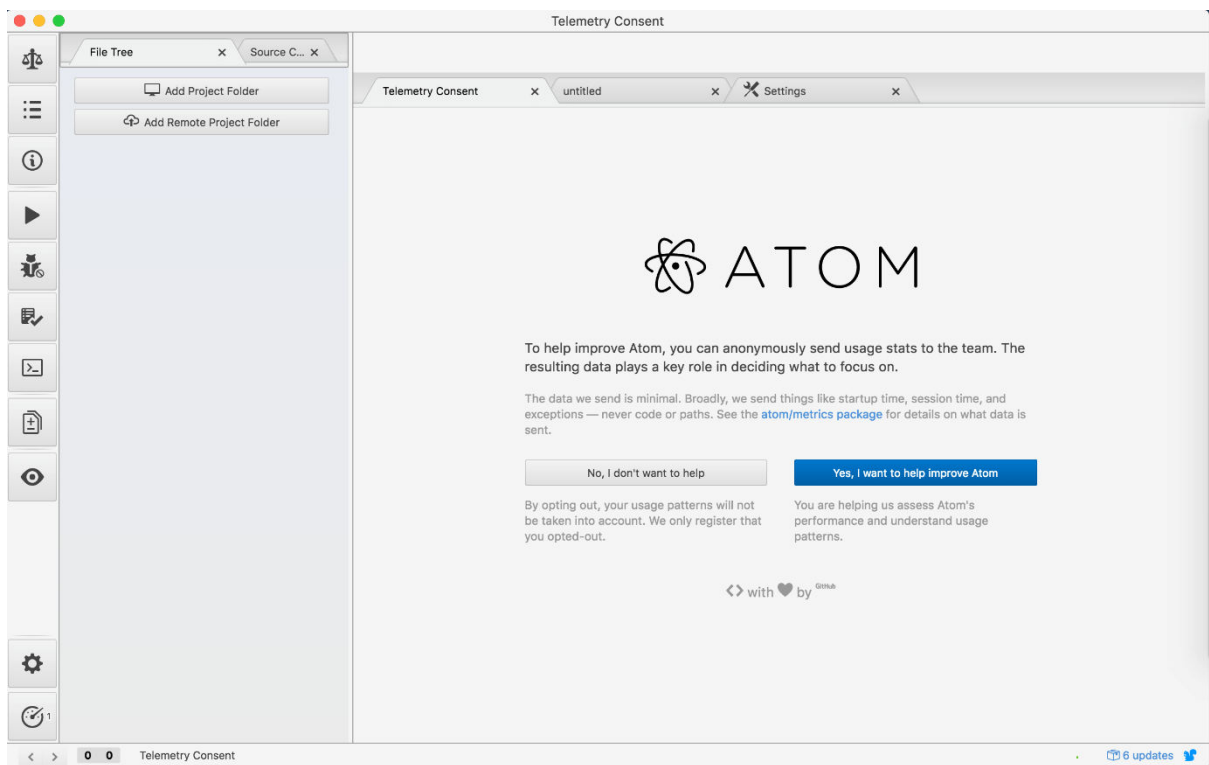
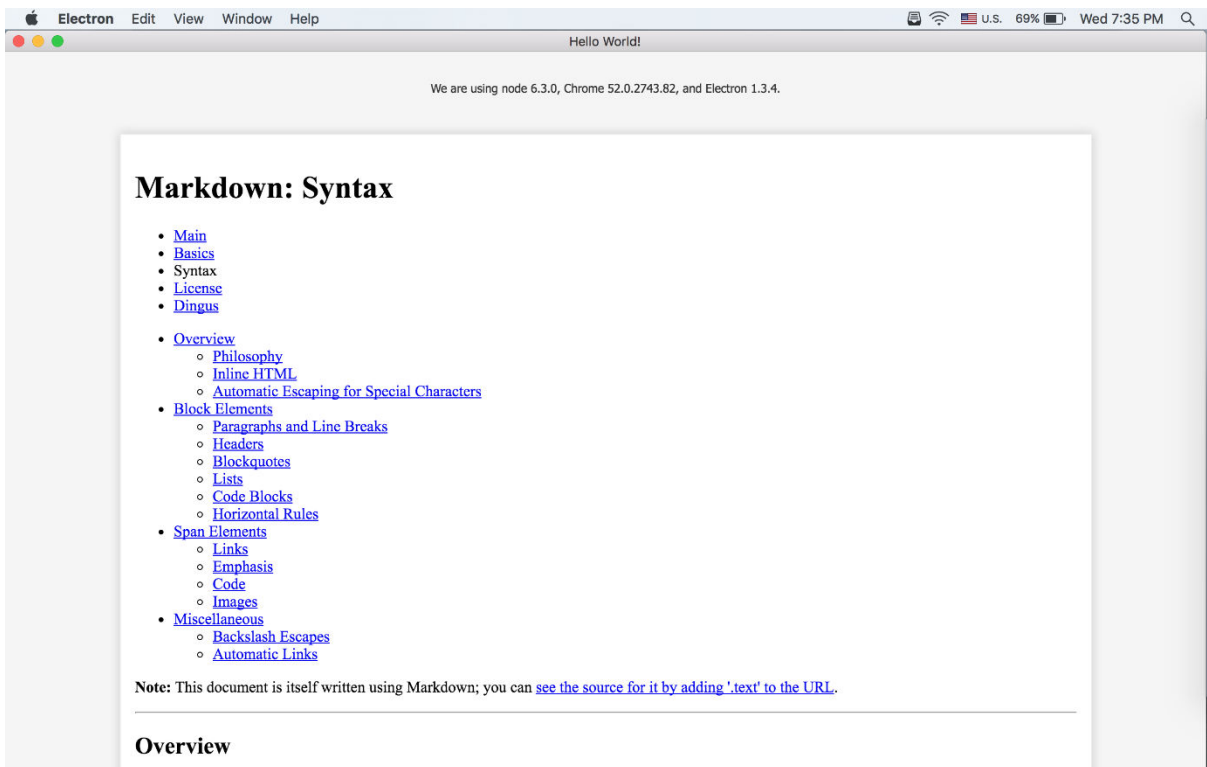
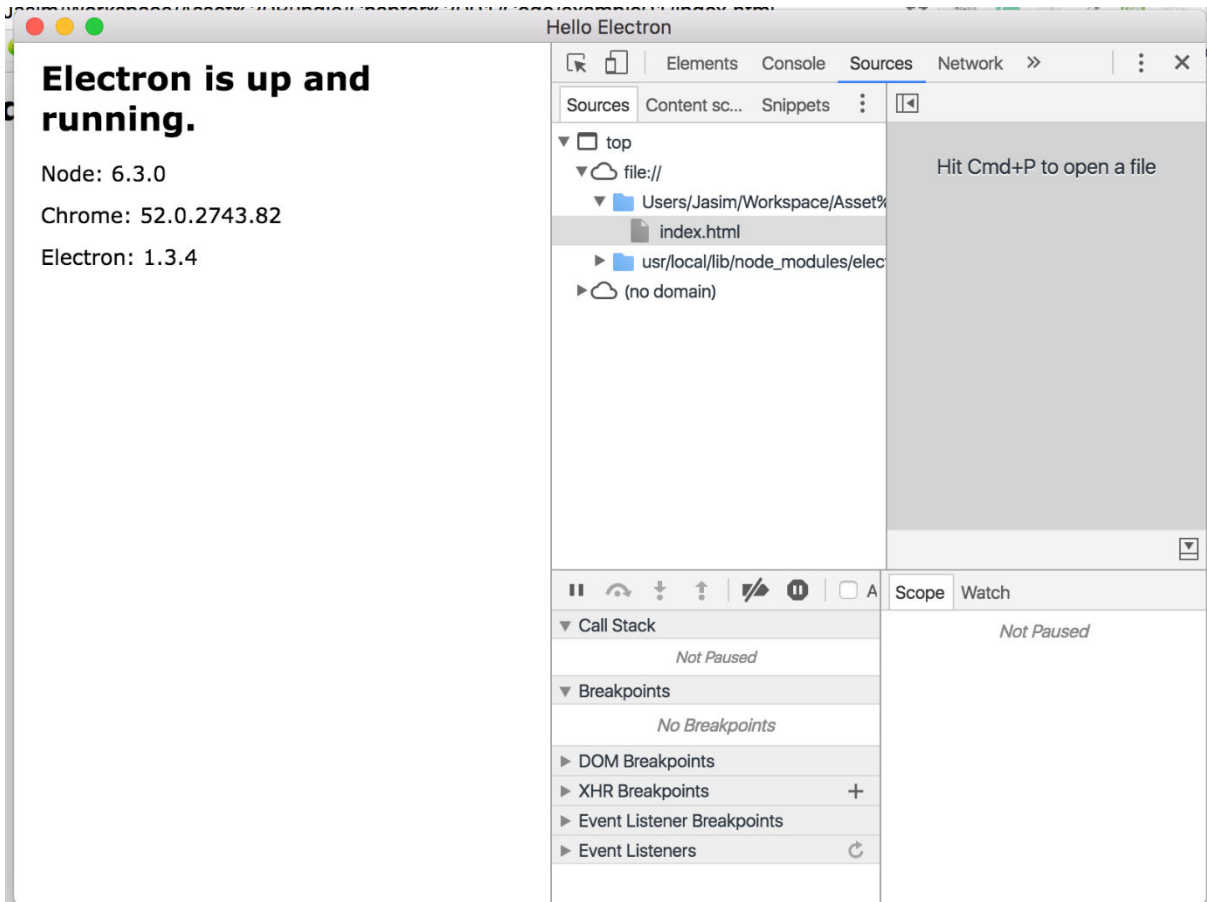
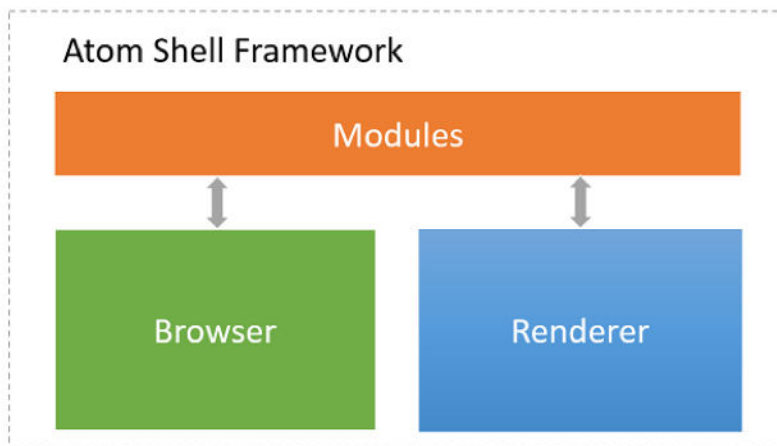
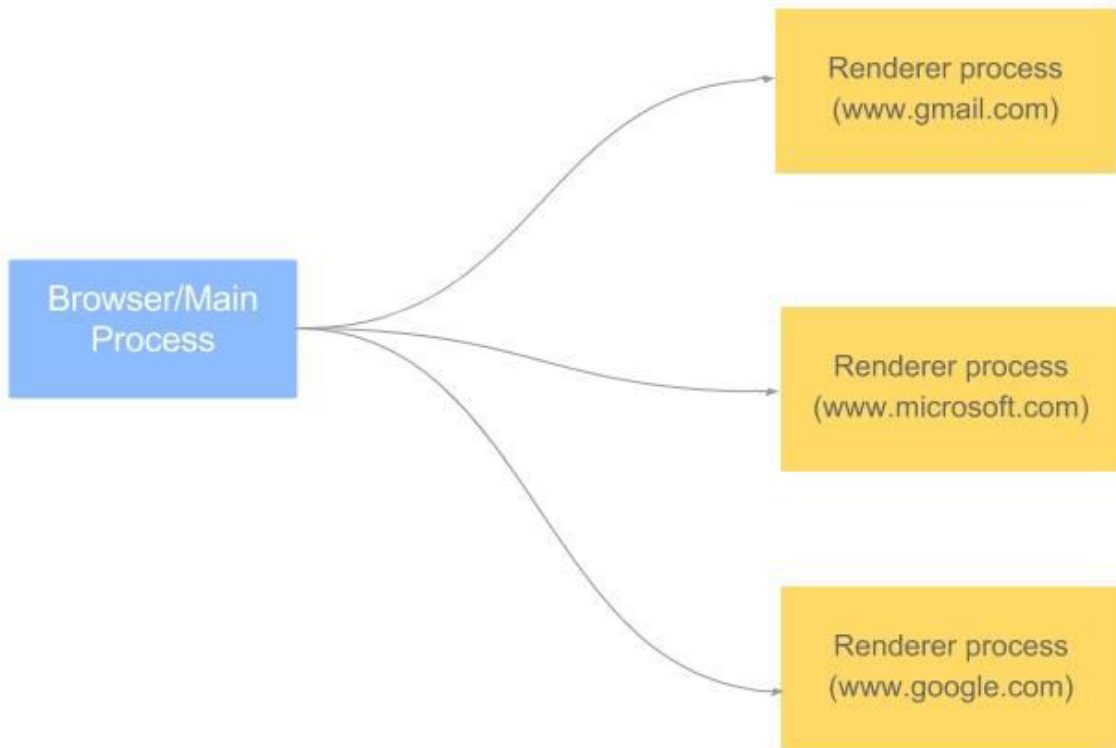
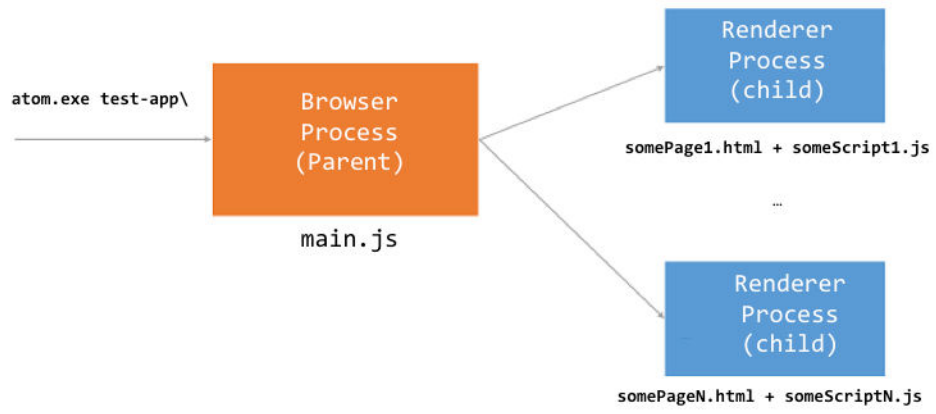


Chapter 1: Introducing Electron

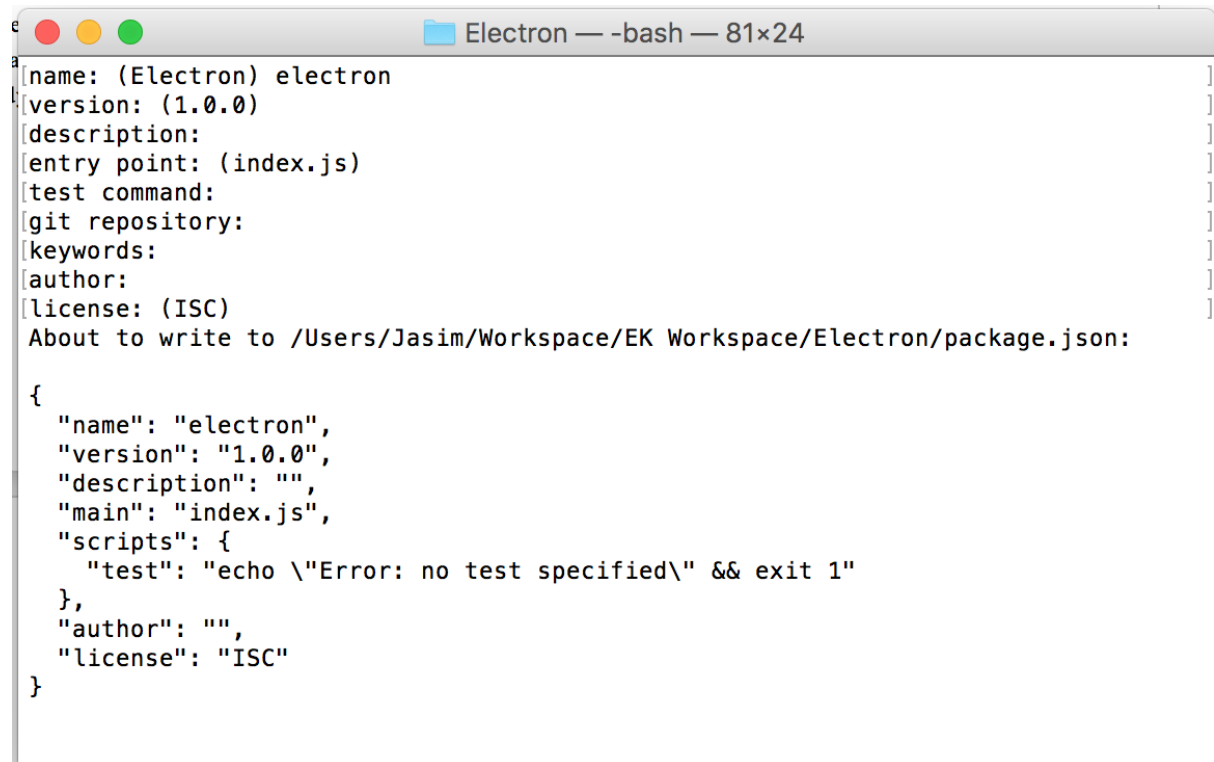








Chapter 2: Building Your First Electron Application

A terminal window titled "Electron" with a window size of "81x24". The terminal displays the content of a package.json file. The content is a JSON object with the following fields: name, version, description, entry point, test command, git repository, keywords, author, and license. The license is "ISC". The terminal also shows the path where the file is being written: "/Users/Jasim/Workspace/EK Workspace/Electron/package.json".

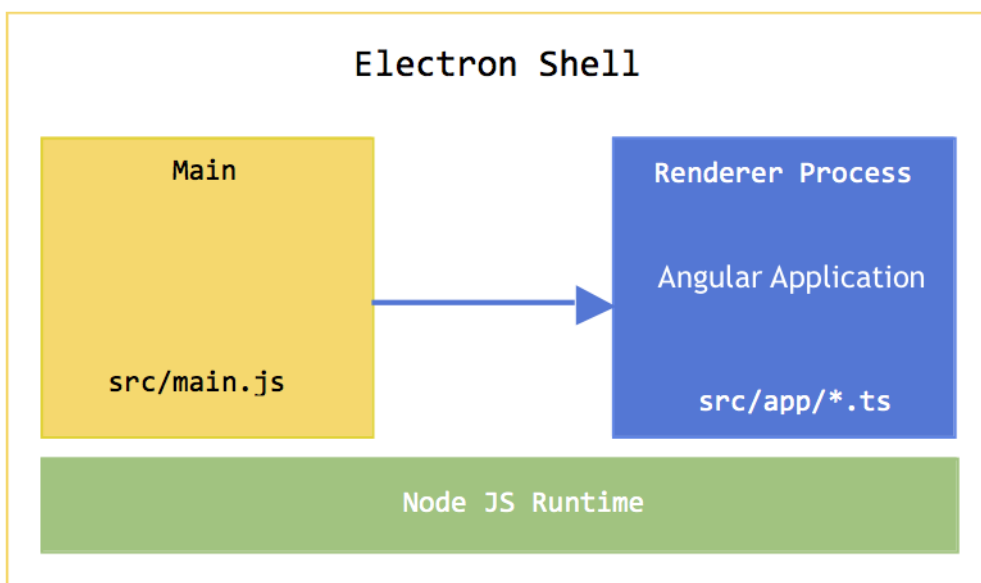
```
[name: (Electron) electron ]
[version: (1.0.0) ]
[description: ]
[entry point: (index.js) ]
[test command: ]
[git repository: ]
[keywords: ]
[author: ]
[license: (ISC) ]
About to write to /Users/Jasim/Workspace/EK Workspace/Electron/package.json:

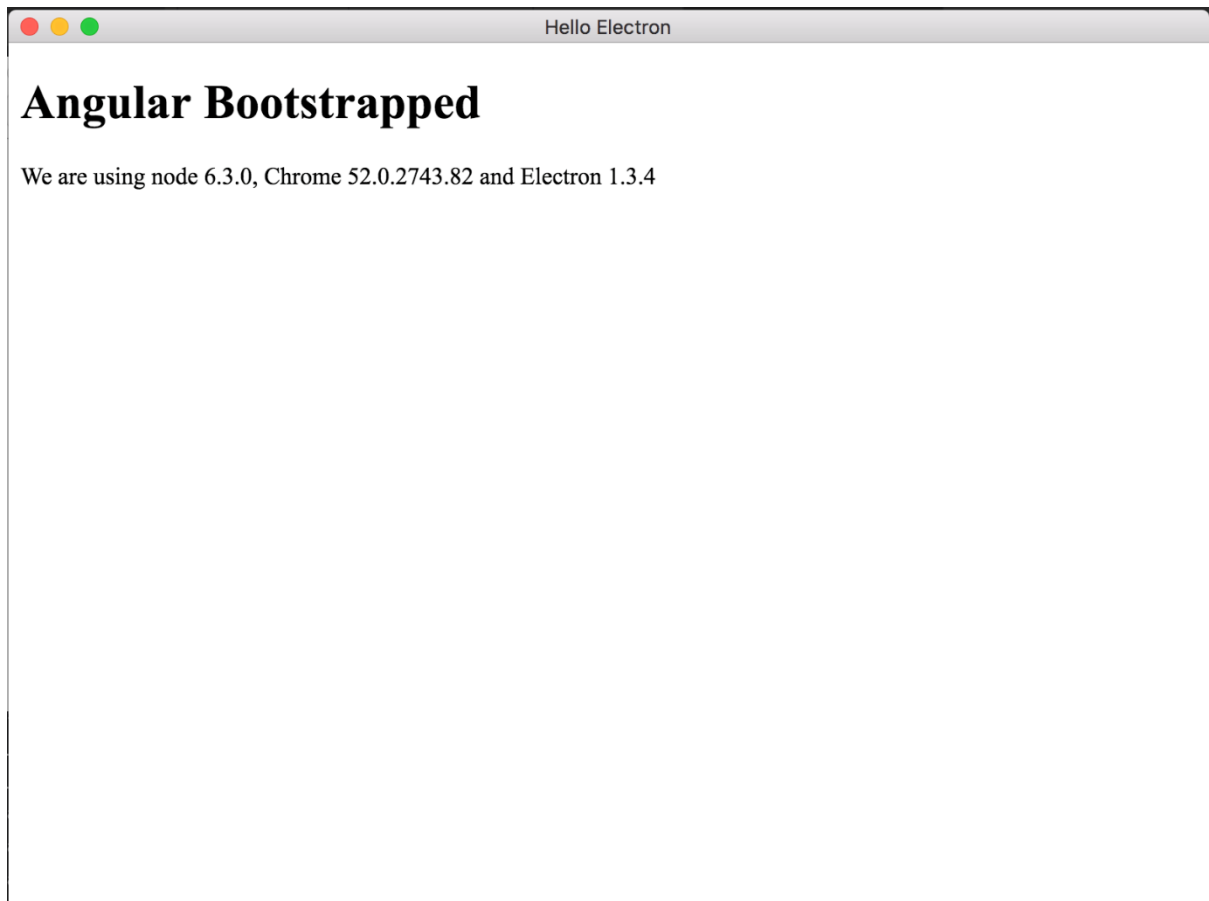
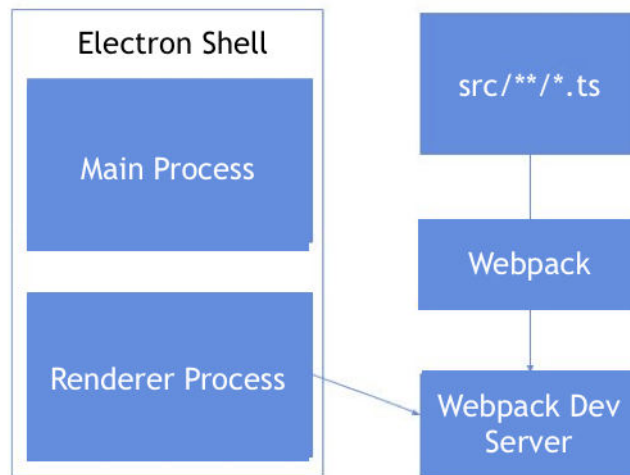
{
  "name": "electron",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC"
}
```

```

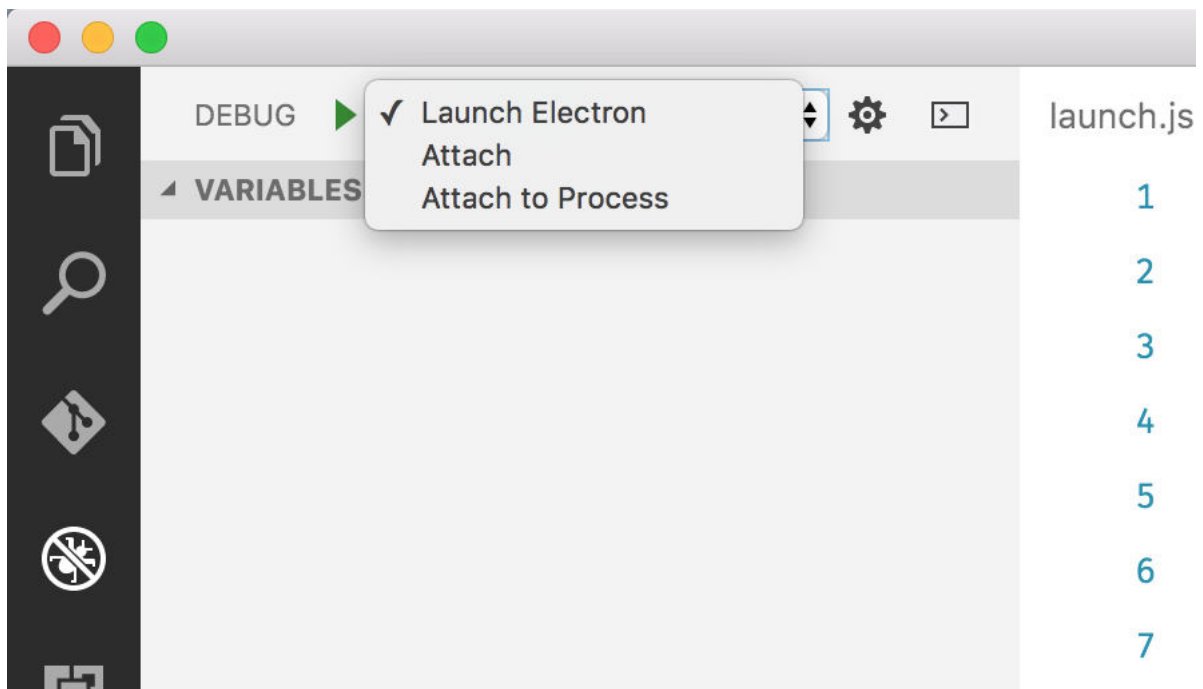
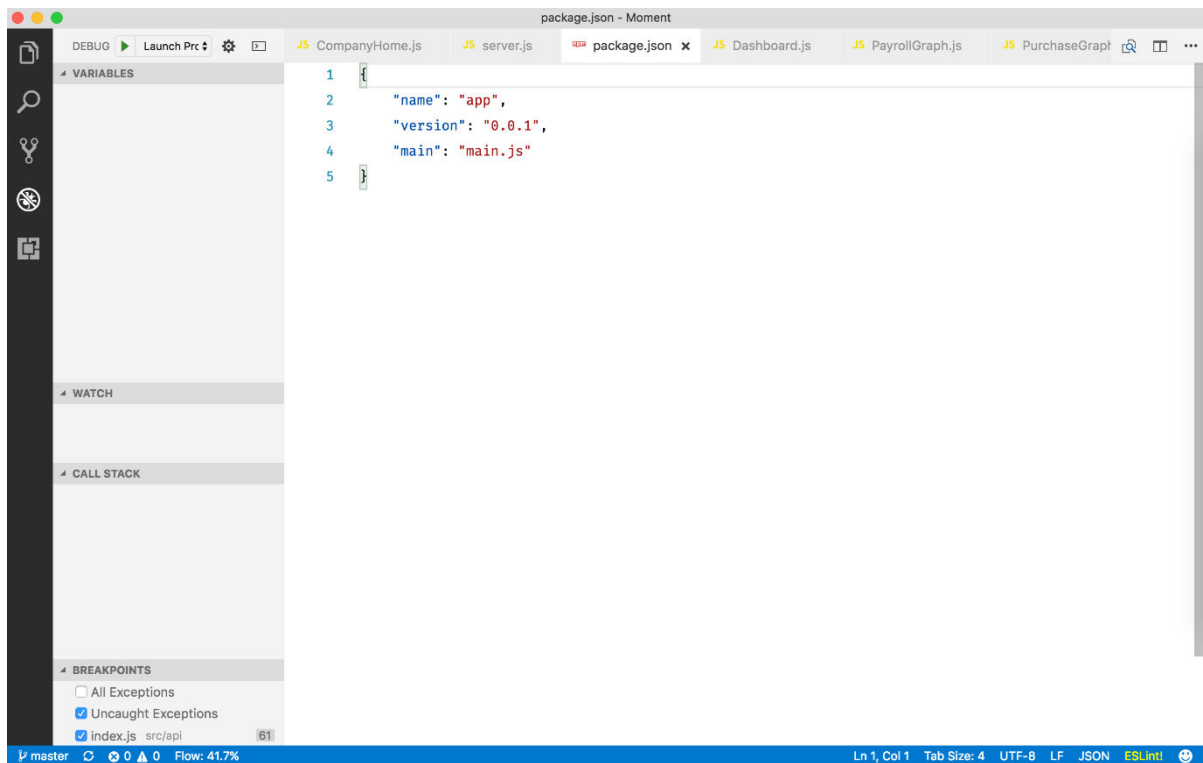
  ▸ build
  ▸ devUtils
  ▸ dist
  ▸ node_modules
  ▾ src
    ▸ app
    ▸ node_modules
      JS main.js
      npm package.json
    ▸ typings
      gulpfile.js
      npm package.json
      M+ readme.md
      tsConfig.json
      typings.json

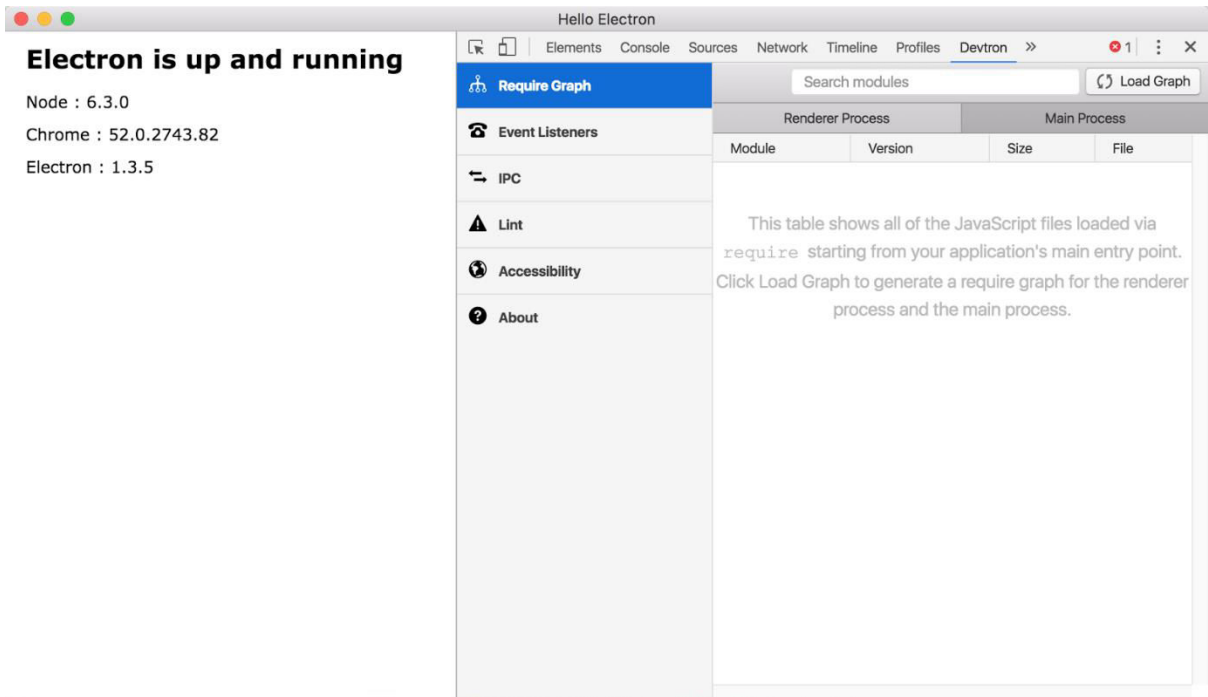
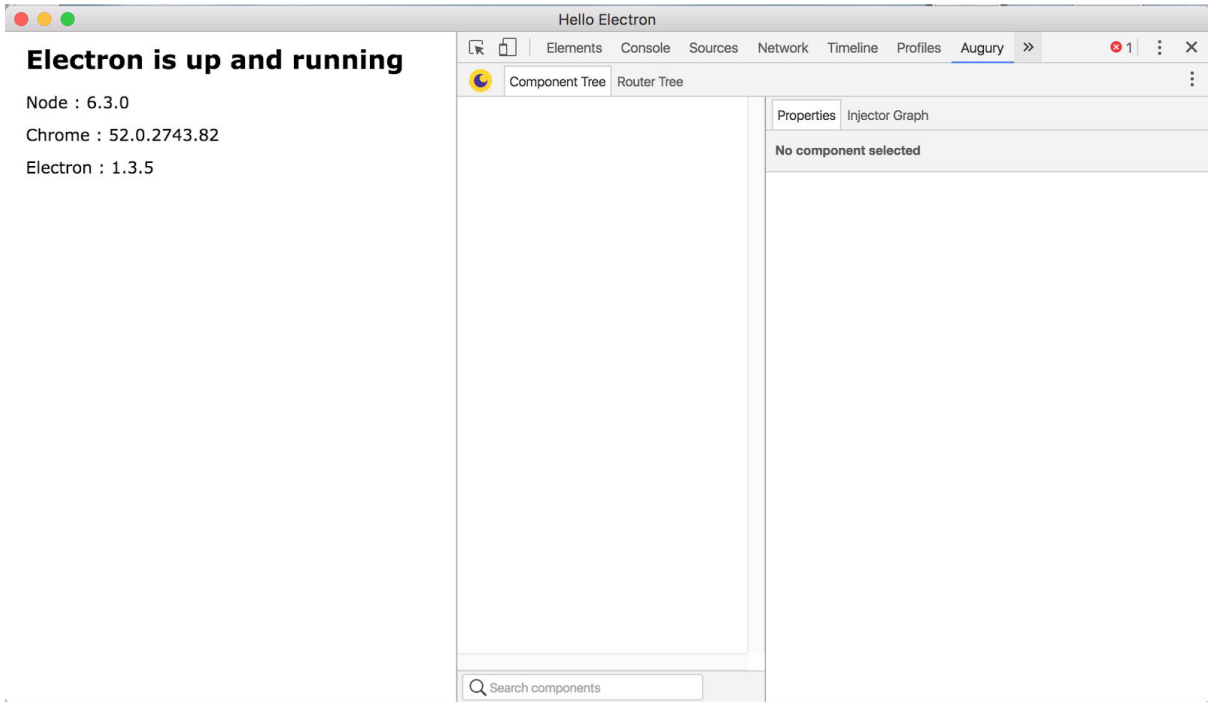
```





Chapter 3: Tooling and Debugging





ReactiveElement.js - Ek Components

Select a Task Runner

Grunt

Gulp

MSBuild Executes the build target

maven Executes common maven commands

.NET Core Executes .NET Core build command

npm

TypeScript - tsconfig.json Compiles a TypeScript project

TypeScript - Watch Mode Compiles a TypeScript project in watch mode

Others Example to run an arbitrary external command

```
16 export default (base) => {
```

tasks.json - Ek Components

task

build

install

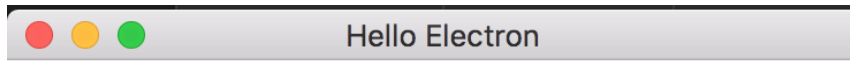
test

update

```
15
```

```
"taskName": "update",
```

Chapter 4: Using Angular 2 with Electron



Login to FaceBook



Facebook



Profile Name

Profile

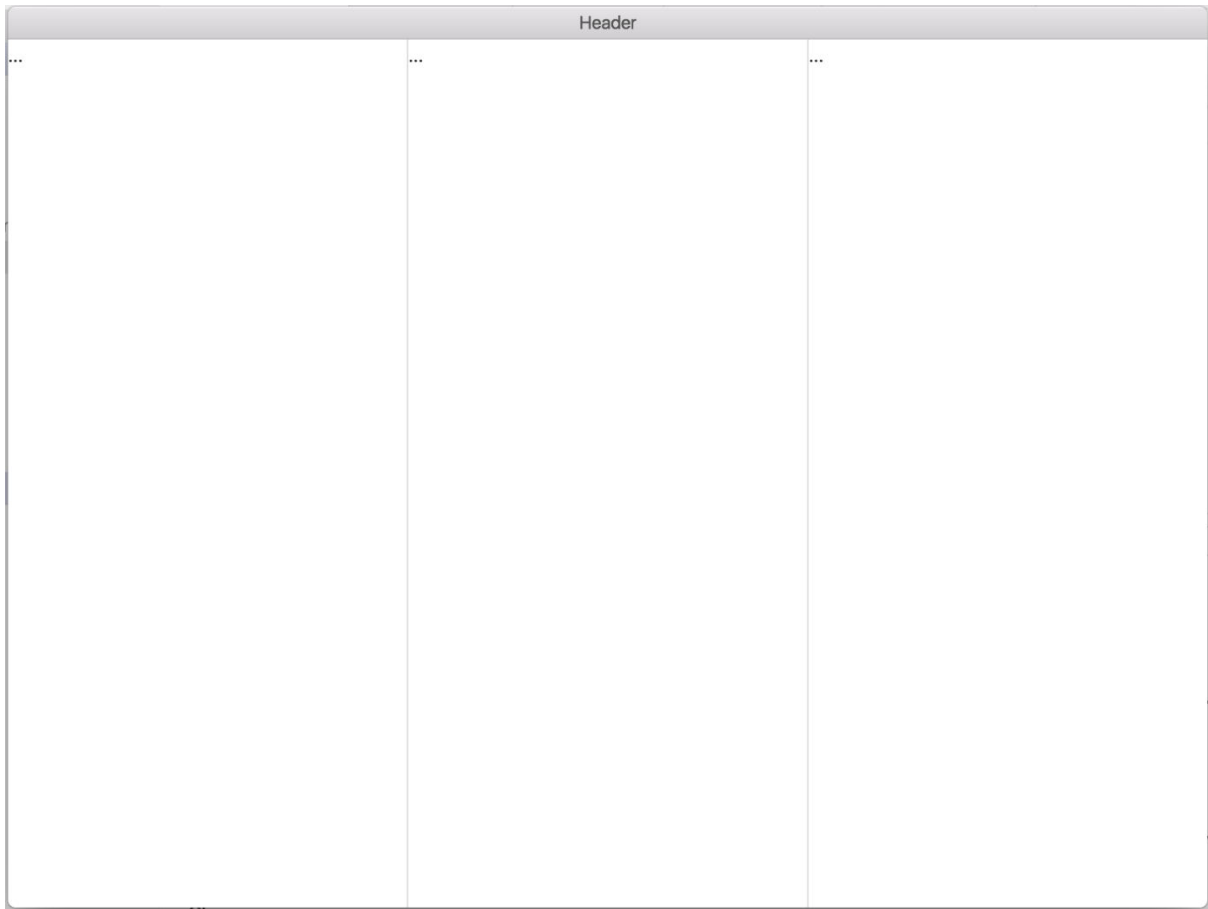
Posts

Friends

Whats on your mind ?

Post

Chapter 5: Crafting User Interface



Header with actions

Home Folder Cloud Print Refresh Filters

Notifications

Favorites

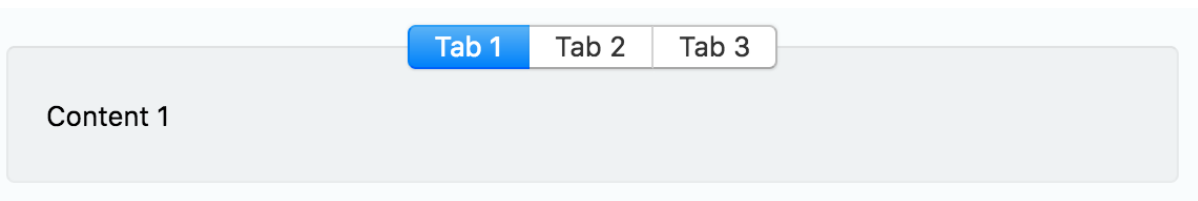
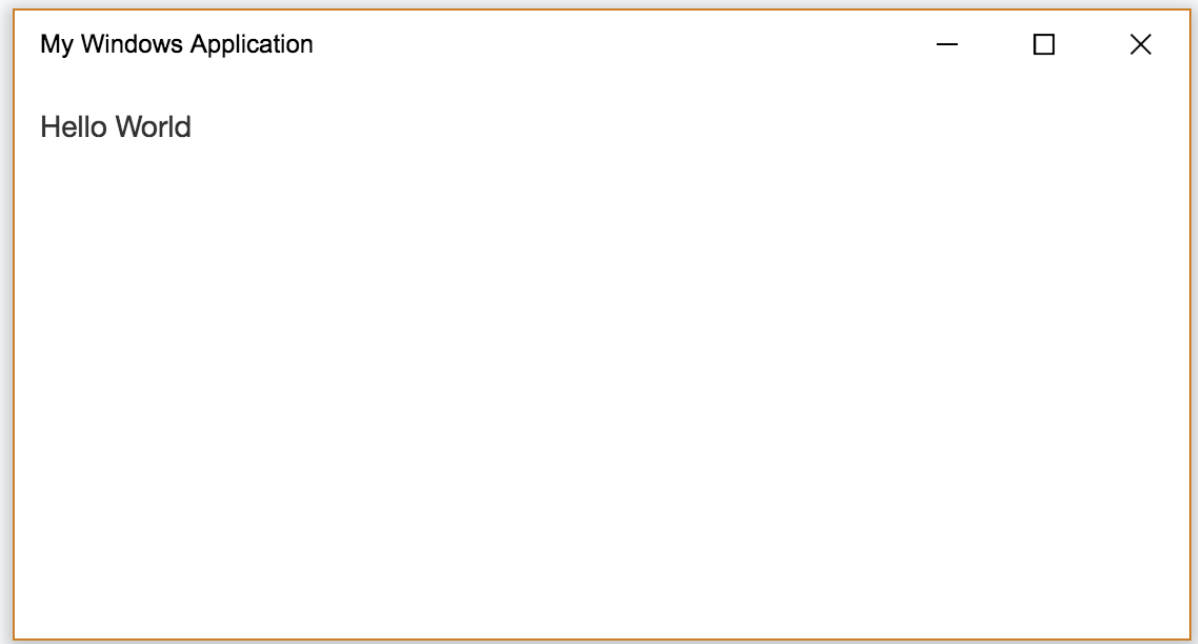
- connors
- Photon
- Downloads
- Documents
- Applications
- AirDrop
- Desktop

Tab - 1	Tab - 2	Tab - 3	+
Name	Kind	Date Modified	Author
bars.scss	Document	Oct 13, 2015	connors
base.scss	Document	Oct 13, 2015	connors
button-groups.scss	Document	Oct 13, 2015	connors
buttons.scss	Document	Oct 13, 2015	connors
docs.scss	Document	Oct 13, 2015	connors
forms.scss	Document	Oct 13, 2015	connors
grid.scss	Document	Oct 13, 2015	connors
icons.scss	Document	Oct 13, 2015	connors
images.scss	Document	Oct 13, 2015	connors
lists.scss	Document	Oct 13, 2015	connors
mixins.scss	Document	Oct 13, 2015	connors
navs.scss	Document	Oct 13, 2015	connors
normalize.scss	Document	Oct 13, 2015	connors
photon.scss	Document	Oct 13, 2015	connors
tables.scss	Document	Oct 13, 2015	connors
tabs.scss	Document	Oct 13, 2015	connors
utilities.scss	Document	Oct 13, 2015	connors
variables.scss	Document	Oct 13, 2015	connors

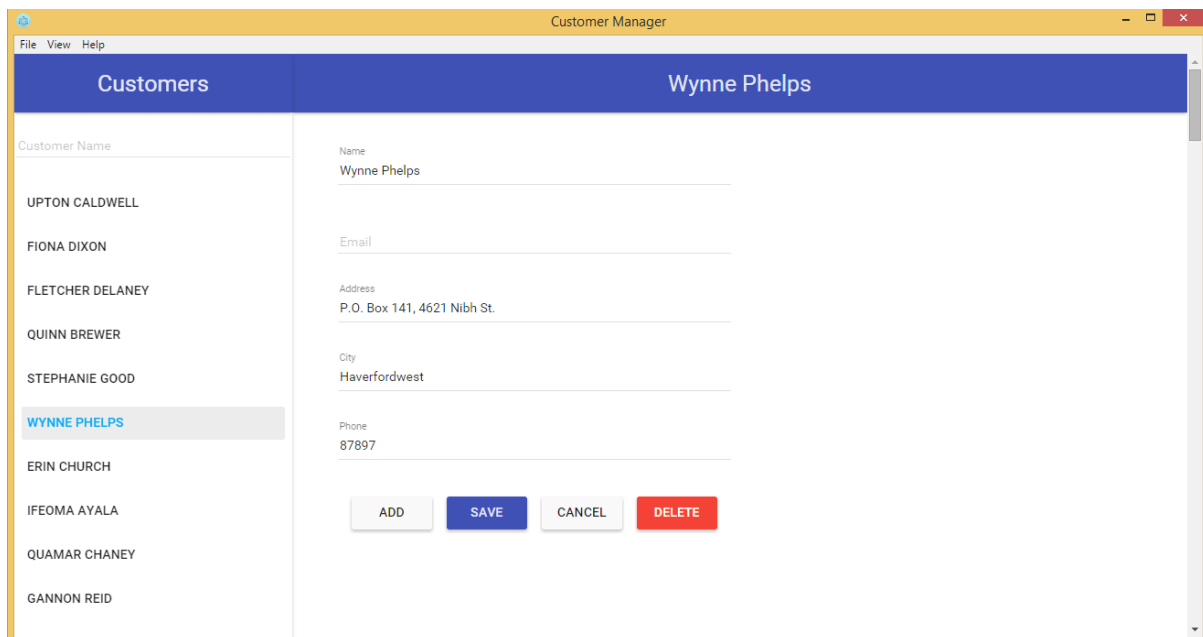
Footer

untitled text 5

Hello World



Chapter 6: Using Node.js with Electron



Chapter 7: Deep Dive into Electron API - 1

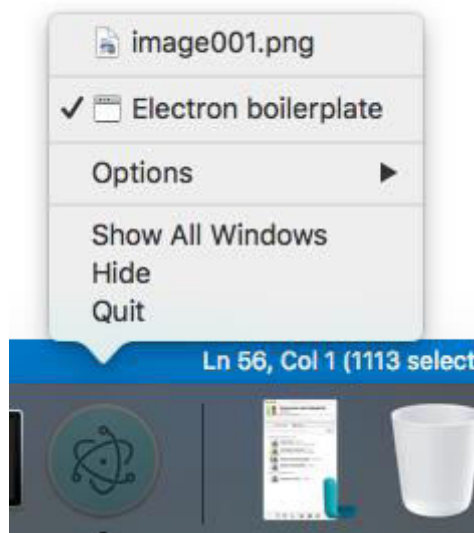
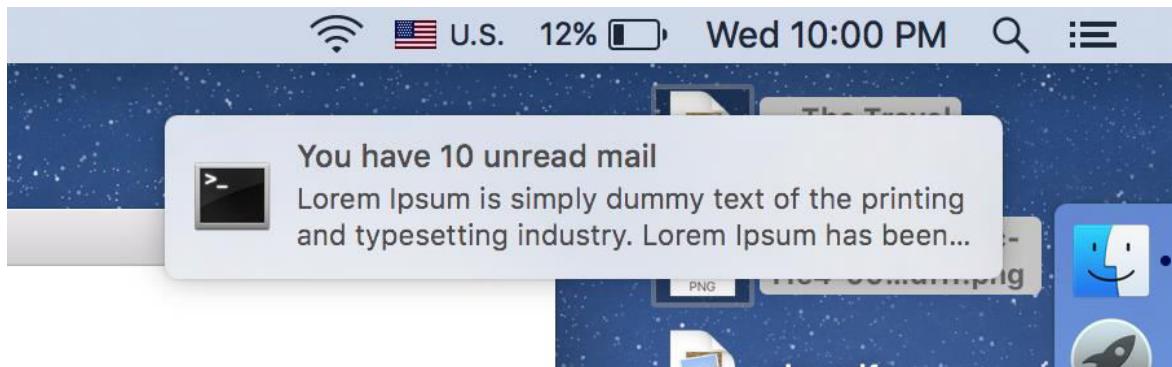


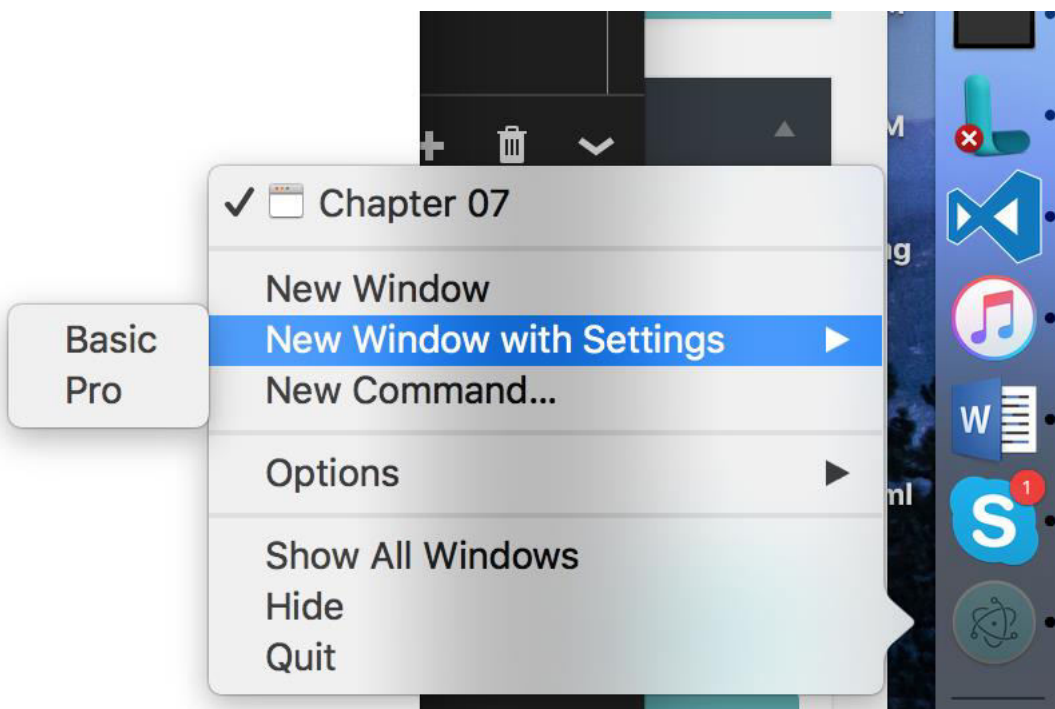
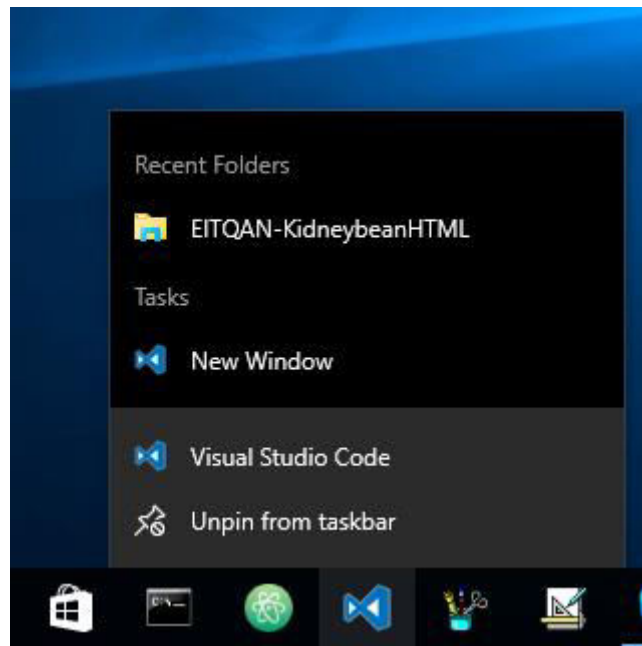
Warning!, Battery is low

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

Ok

Chapter 9: Integrating with Desktop Environments



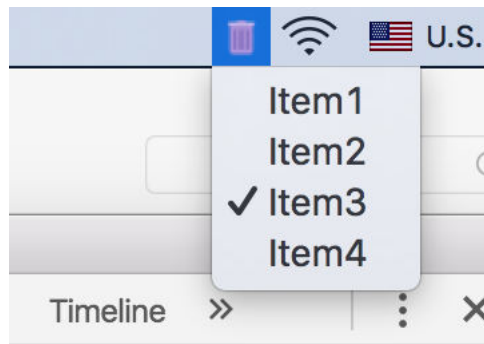


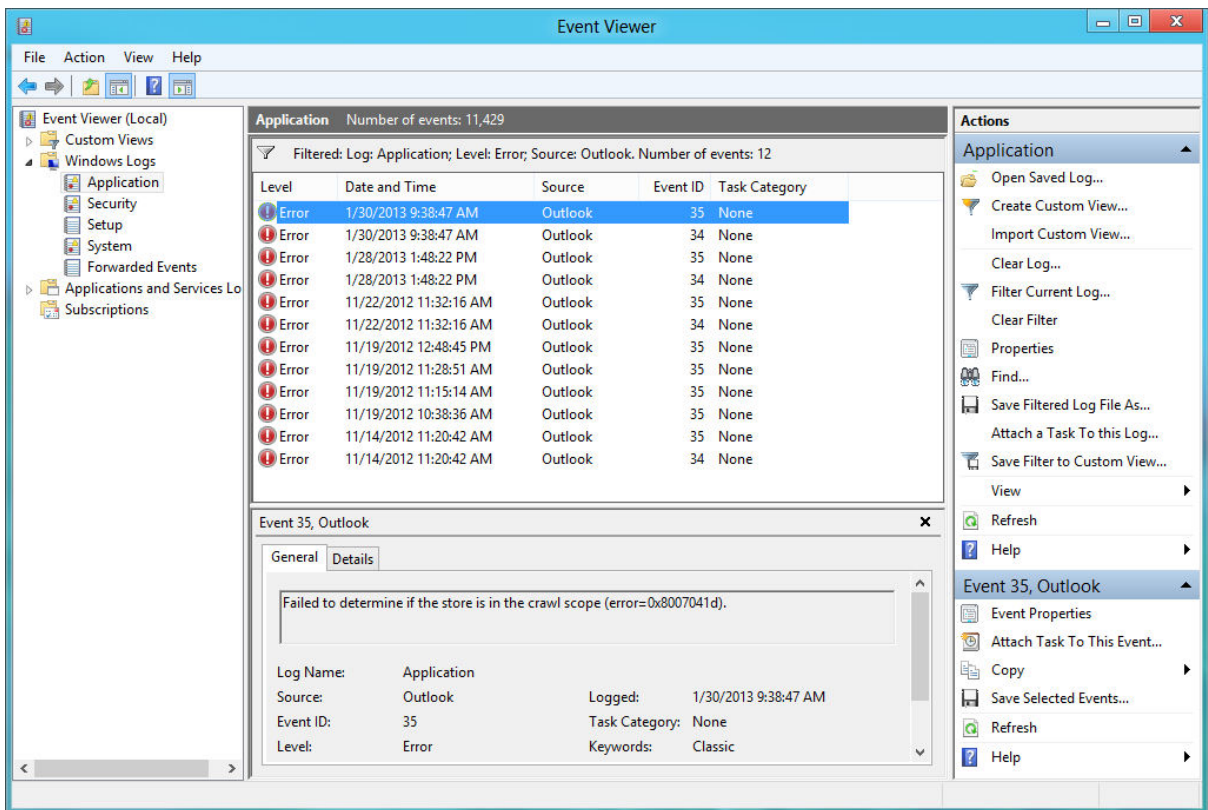
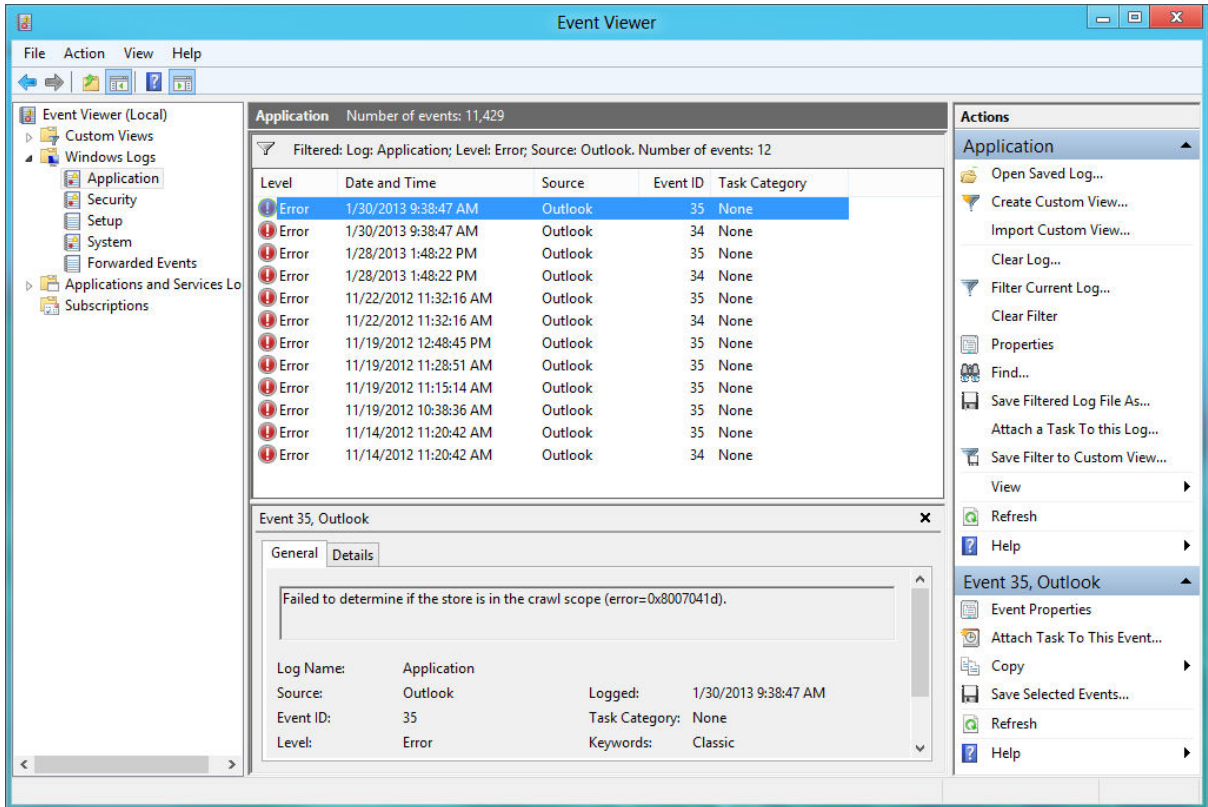
```
Command Prompt
Possible Setting Index: 000
Possible Setting Friendly Name: Off
Possible Setting Index: 001
Possible Setting Friendly Name: On
Current AC Power Setting Index: 0x00000001
Current DC Power Setting Index: 0x00000001

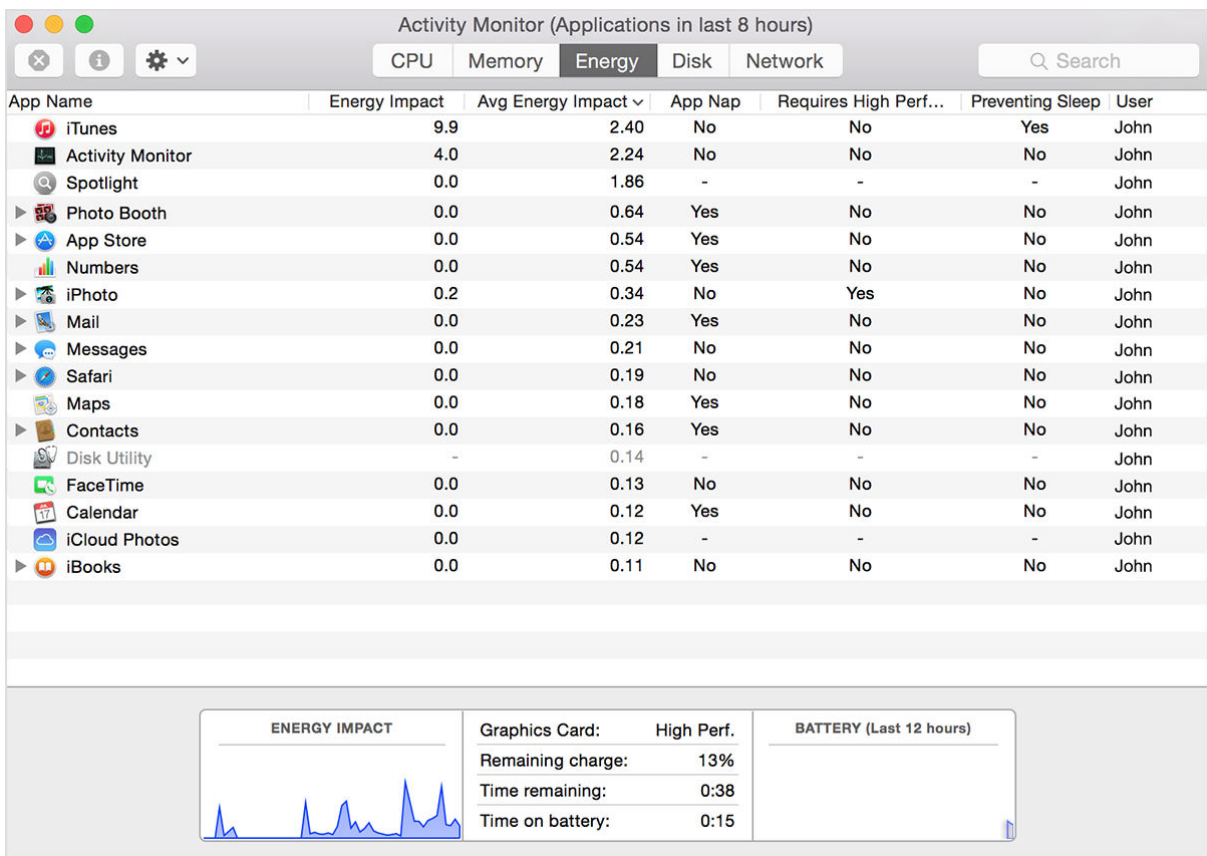
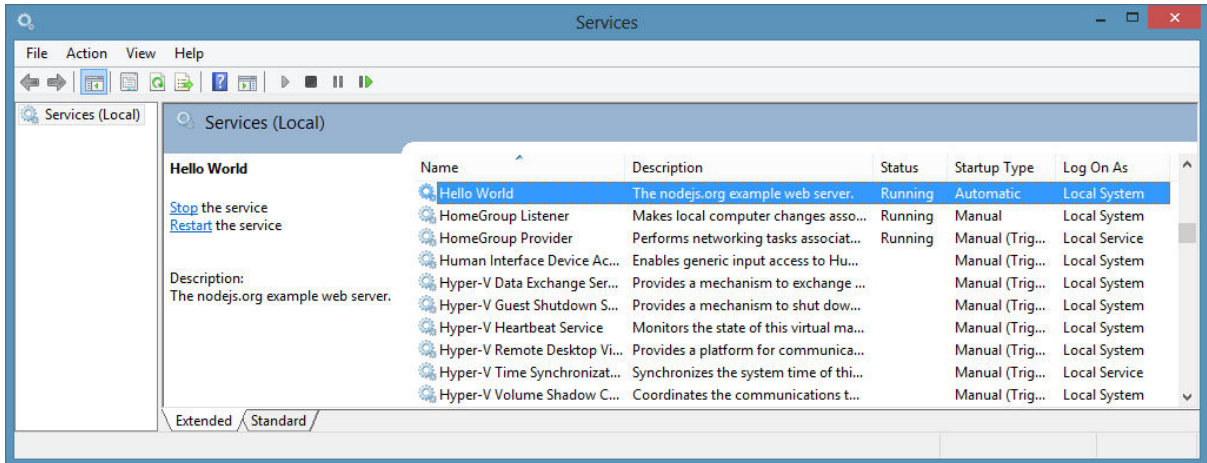
Power Setting GUID: d8742dcb-3e6a-4b3c-b3fe-374623cdcf06 <Low battery action>
GUID Alias: BATTERYLOW
Possible Setting Index: 000
Possible Setting Friendly Name: Do nothing
Possible Setting Index: 001
Possible Setting Friendly Name: Sleep
Possible Setting Index: 002
Possible Setting Friendly Name: Hibernate
Possible Setting Index: 003
Possible Setting Friendly Name: Shut down
Current AC Power Setting Index: 0x00000000
Current DC Power Setting Index: 0x00000000

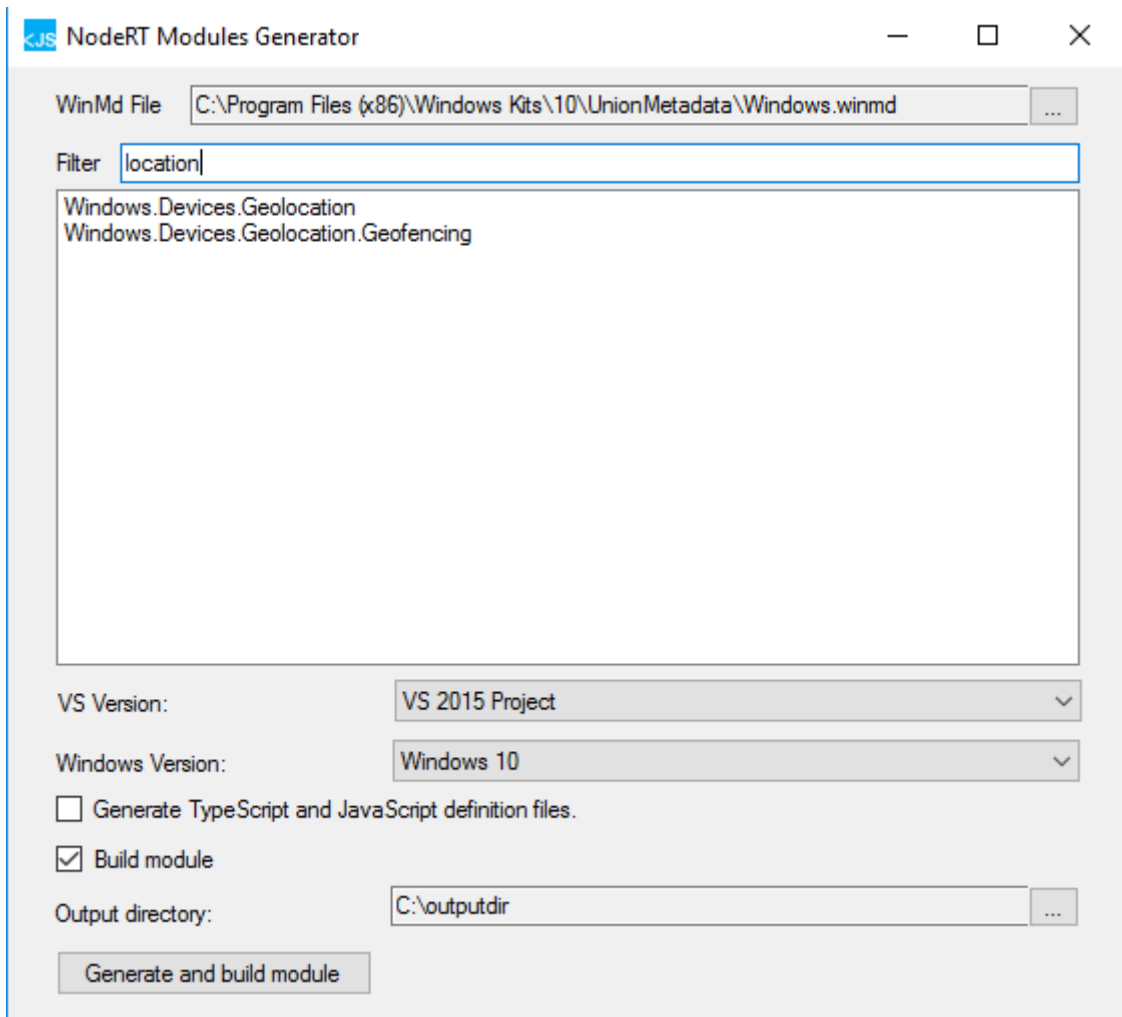
Power Setting GUID: f3c5027d-cd16-4930-aa6b-90db844a8f00 <Reserve battery level>
Minimum Possible Setting: 0x00000000
Maximum Possible Setting: 0x00000064
Possible Settings increment: 0x00000001
Possible Settings units: %
Current AC Power Setting Index: 0x00000007
Current DC Power Setting Index: 0x00000007

G:\Users\PALMTRIX>
```

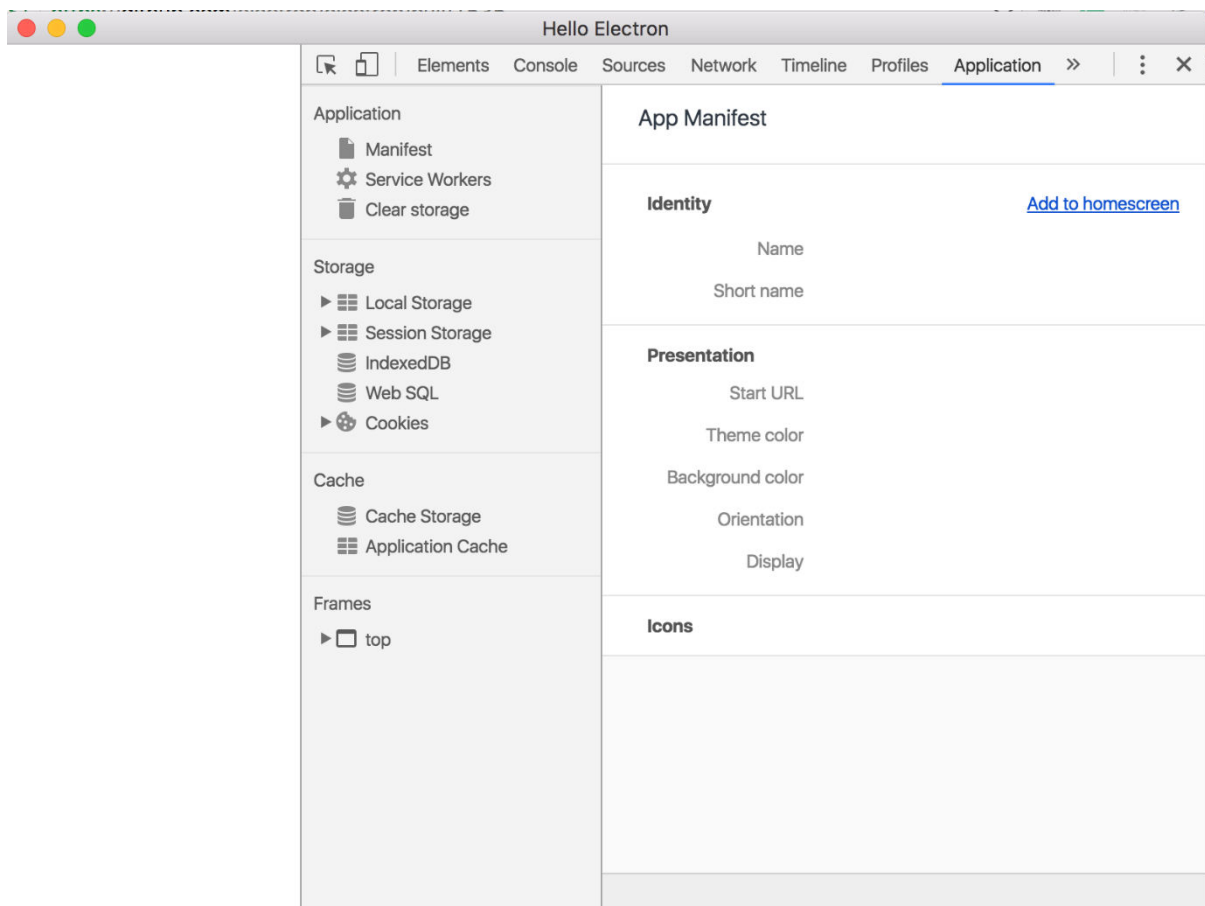
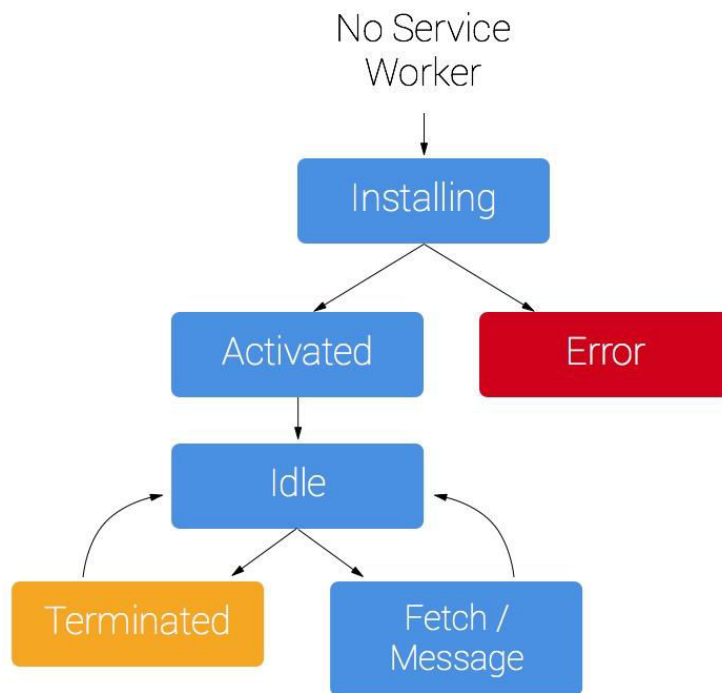








Chapter 10: Dealing with Web Standards



Application

- Manifest
- Service Workers
- Clear storage

Storage

- Local Storage
- Session Storage
- IndexedDB
- Web SQL
- Cookies

Cache

- Cache Storage
 - pwashell-cache-v3 - https://**
 - Application Cache

Frames

- top

#	Request	Response
0	https://ajax.googleapis.com/ajax/libs/angular_m...	
1	https://ajax.googleapis.com/ajax/libs/angular_m...	
2	https://ajax.googleapis.com/ajax/libs/angularjs/...	
3	https://ajax.googleapis.com/ajax/libs/angularjs/...	
4	https://ajax.googleapis.com/ajax/libs/angularjs/...	
5	https://ajax.googleapis.com/ajax/libs/angularjs/...	
6	https://fonts.googleapis.com/css?family=Robot...	
7	https://fonts.googleapis.com/icon?family=Mate...	
8	https://fonts.gstatic.com/s/materialicons/v20/2f...	
9	https://fonts.gstatic.com/s/roboto/v15/CrYjSnGj...	
10	https://fonts.gstatic.com/s/roboto/v15/RxZJdnz...	
11	https://lennonjesus.github.io/angular-material-p...	OK
12	https://lennonjesus.github.io/angular-material-p...	OK
13	https://lennonjesus.github.io/angular-material-p...	OK
14	https://lennonjesus.github.io/angular-material-p...	OK
15	https://lennonjesus.github.io/angular-material-p...	OK
16	https://lennonjesus.github.io/angular-material-p...	OK

localhost:9012

localhost:9012

http://localhost:9012 wants to:

Show notifications

Block Allow

Actions Notification

localhost:9012

- Coffee
- Doughnut

Chapter 11: Testing Electron Application

```
bash-3.2$ mocha tests/test.js
```

```
application launch  
  ✓ shows an initial window
```

```
1 passing (2s)
```

```
bash-3.2$ mocha tests/test.js
```

```
application launch  
  1) shows an initial window
```







```
0 passing (3s)  
1 failing
```


```
1) application launch shows an initial window:
```














```
AssertionError: 2 = 1  
+ expected - actual
```

```
-2  
+1
```

Chapter 12: Packaging and Distributing the Application

-  locales
-  resources
-  blink_image_resources_200_percent.pak
-  content_resources_200_percent.pak
-  content_shell.pak
-  d3dcompiler_47.dll

-  electron

-  ffmpeg.dll
-  icudtl.dat
-  libEGL.dll
-  libGLESv2.dll
-  LICENSE
-  LICENSES.chromium
-  natives_blob.bin
-  node.dll
-  snapshot_blob.bin
-  ui_resources_200_percent.pak
-  version
-  views_resources_200_percent.pak
-  xinput1_3.dll