

Creating a Chrome Extension

Hello Extension

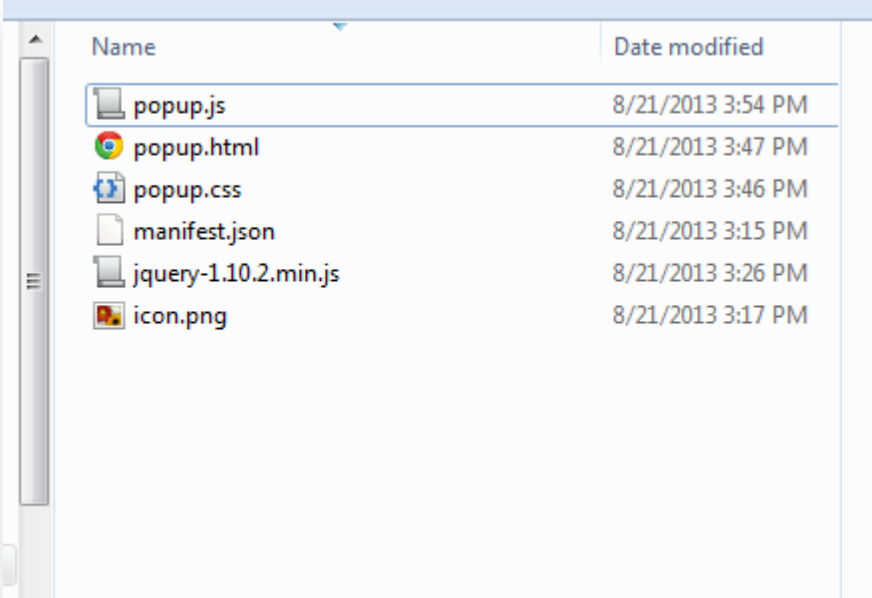
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Extension Components

- Manifest (JSON)
- HTML
- Icon(s)
- JavaScript
- CSS
- Images or anything else



A screenshot of a file explorer window showing the contents of a directory. The window has a table with two columns: 'Name' and 'Date modified'. The files listed are:

Name	Date modified
popup.js	8/21/2013 3:54 PM
popup.html	8/21/2013 3:47 PM
popup.css	8/21/2013 3:46 PM
manifest.json	8/21/2013 3:15 PM
jquery-1.10.2.min.js	8/21/2013 3:26 PM
icon.png	8/21/2013 3:17 PM

Extensions really are just a directory with everything you need in it

The Manifest File

```
1 {  
2   "manifest_version" : 2,  
3  
4   "name": "Hello World",  
5   "description": "This is my first Chrome extension.",  
6   "version": "1.0",  
7  
8   "browser_action": {  
9     "default_icon": "icon.png",  
10    "default_popup": "popup.html"  
11  }  
12 }
```

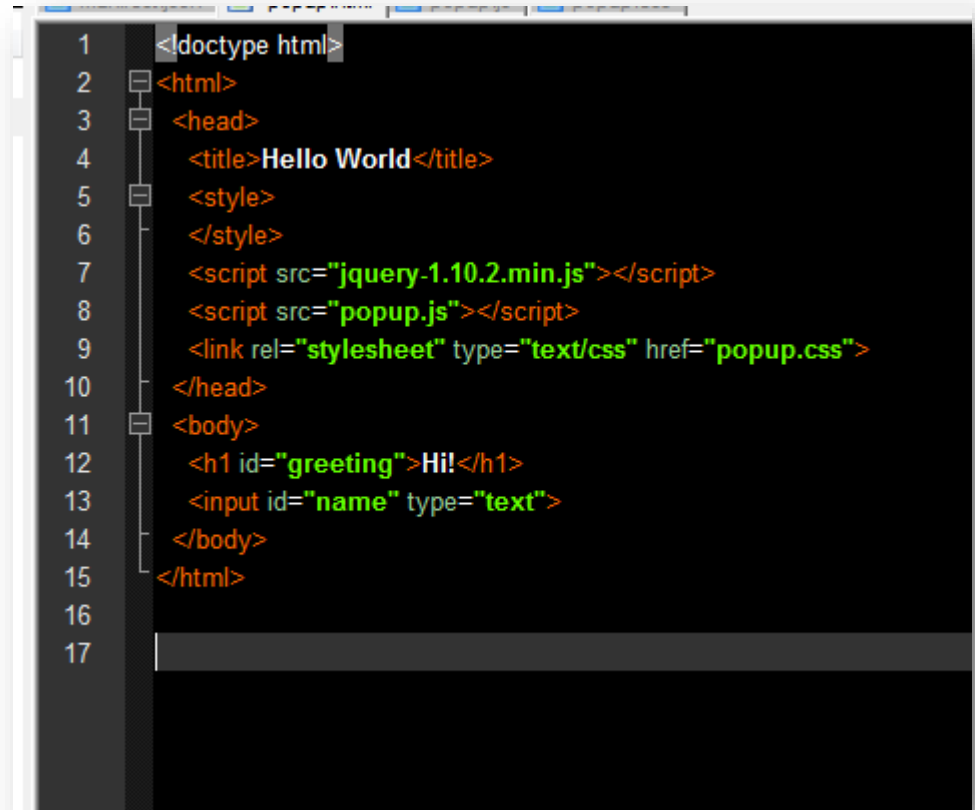
A manifest file is a JSON formatted file that describes your extension

Find the Manifest format information here:

<http://developer.chrome.com/extensions/manifest.html>

HTML Files

- Regular HTML documents
- Can't have embedded script!

A screenshot of a code editor showing an HTML document. The editor has a dark background with syntax-highlighted code. On the left, a vertical line of numbers from 1 to 17 indicates the line numbers. The code is as follows:

```
1 <!doctype html>
2 <html>
3 <head>
4   <title>Hello World</title>
5   <style>
6   </style>
7   <script src="jquery-1.10.2.min.js"></script>
8   <script src="popup.js"></script>
9   <link rel="stylesheet" type="text/css" href="popup.css">
10 </head>
11 <body>
12   <h1 id="greeting">Hi!</h1>
13   <input id="name" type="text">
14 </body>
15 </html>
16
17
```

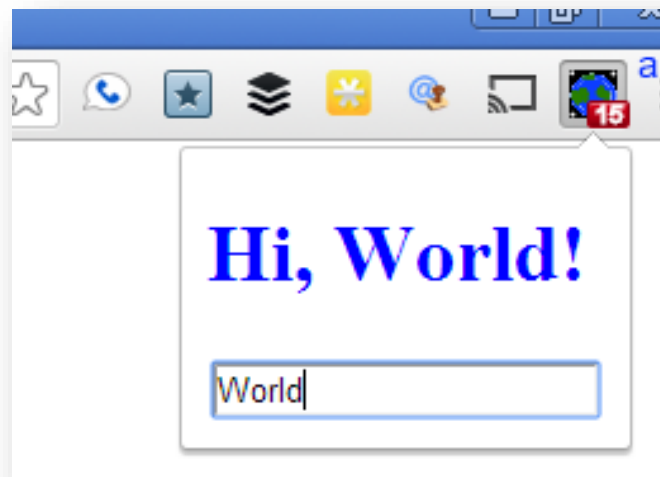
Don't forget you can use HTML 5 features!

JavaScript

```
var greetCount = 0;
$(function () {
  $('#name').keyup(function () {
    $('#greeting').text('Hi, ' + $('#name').val() + '!');
    greetCount++;
    chrome.browserAction.setBadgeText({ "text": greetCount.toString() });
  });
});
```

- Create your own JavaScript files and include them from your HTML
- Download and reference copies of libraries like JQuery

Up Next



Now that we know the basics, we'll be creating something a little more substantial