# **Creating a Chrome Extension**

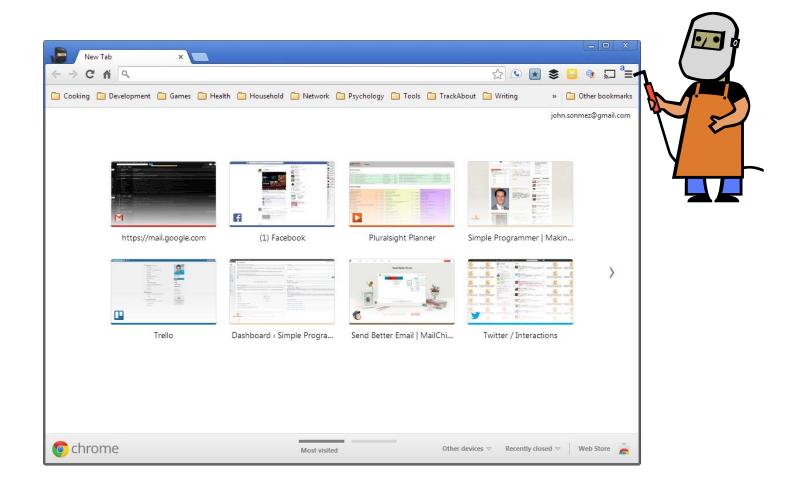
Introduction

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#### **Who This Course Is For**



Anyone who wants to make extensions for Chrome!

#### **What This Course Will Cover**

- Module 1: Introduction
  - What is a Chrome extension?
  - What can Chrome extensions do?
- Module 2: Hello Extension
  - Create the Hello World extension
  - Learn about how extensions work
- Module 3: A Browser Action Extension
  - Create extension with popup UI
- Module 4: A Page Action Extension
  - Create extension that modifies a page
- Module 5: Debugging and Deployment
  - Debugging an extension
  - Chrome Web Store submission

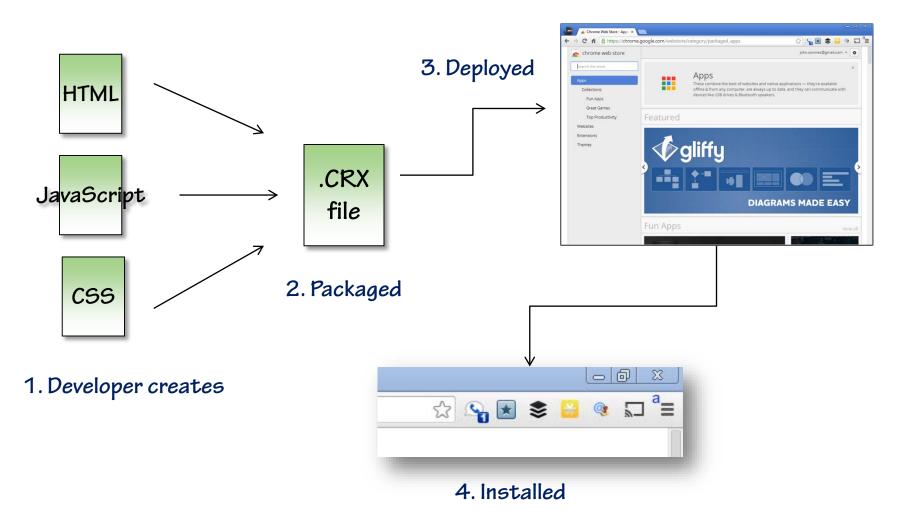


### What is a Chrome Extension?



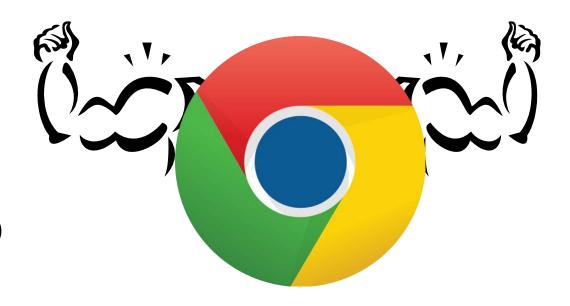
An extension is sort of like a plugin

#### **How Chrome Extensions Work**

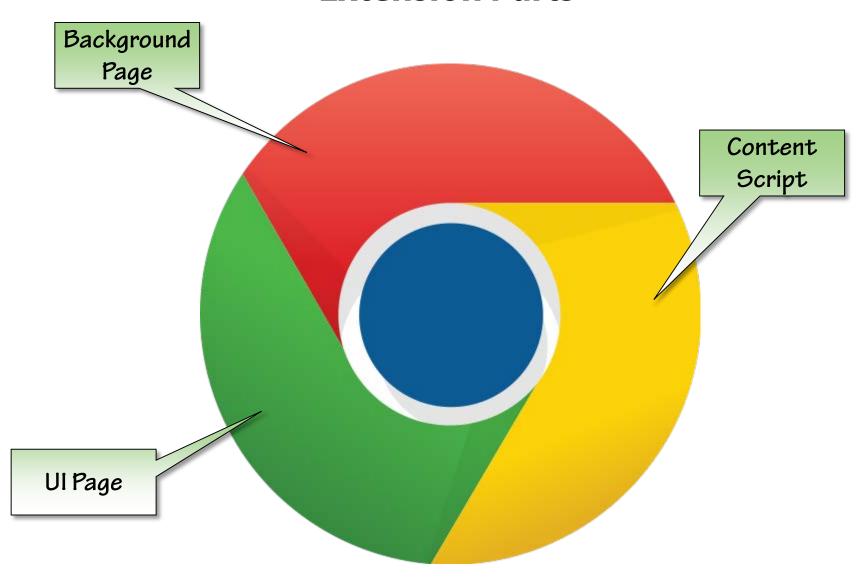


#### What Extension Can Do

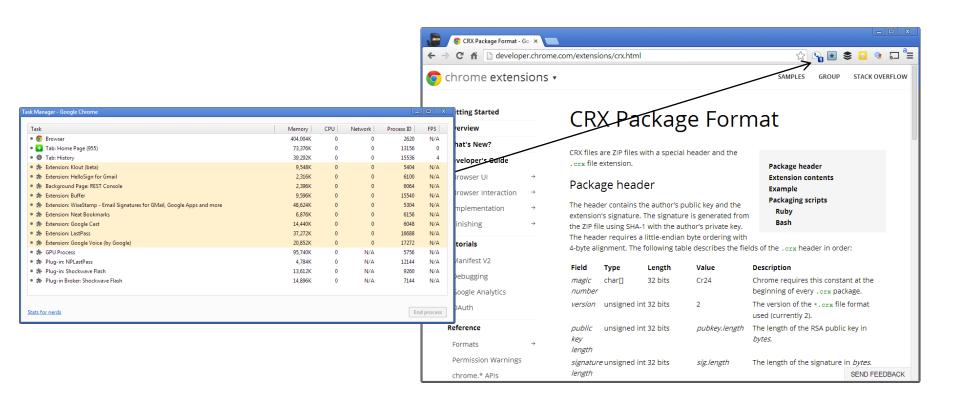
- Interact with web pages or servers
- Control browser features
- Add UI to Chrome
  - Browser action
  - Page action
- Create options pages
- Modify loaded pages
- Add to context menu
- Even load DLLs (DANGER)



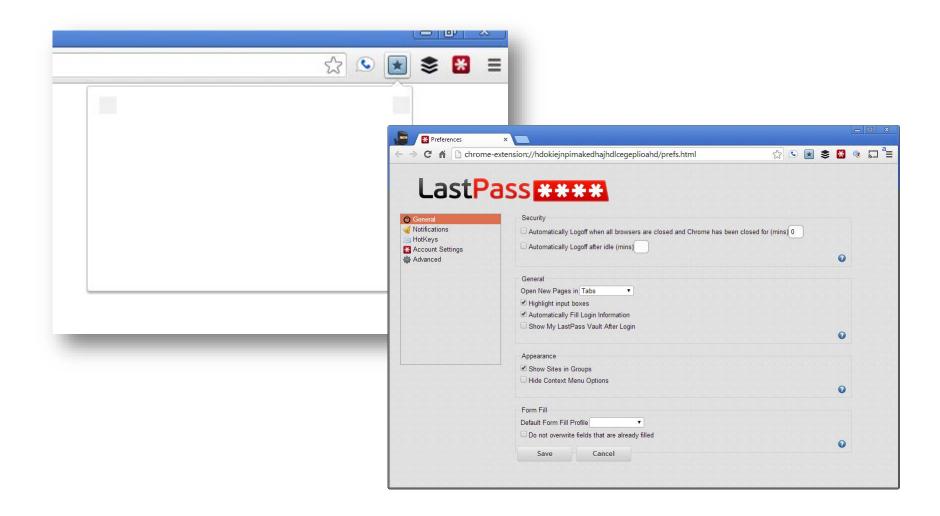
### **Extension Parts**



## **Background Pages**



# **UI Pages**

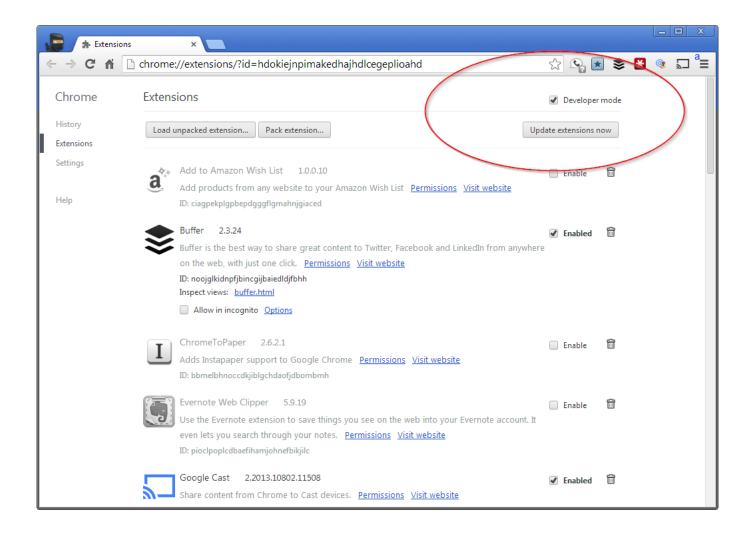


Extensions can have their own UIs

# **Content Scripts**

```
/ Use of this source code is governed by a BSD-style license that can be
/ found in the LICENSE file.
r.define('uber', function() {
  * Options for how web history should be handled.
  var HISTORY_STATE_OPTION = {
    PUSH: 1, // Push a new history state.
    REPLACE: 2, // Replace the current history state.
    NONE: 3, // Ignore this history state change.
    * We cache a reference to the #navigation frame here so we don't need
   };
     * it from the DOM on each scroll.
     * @type {Node}
     * @private
     var navFrame;
      * Handles page initialization.
      function onLoad(e) {
        navFrame = $('navigation');
        navFrame.dataset.width = navFrame.offsetWidth;
        // Select a page based on the page-URL.
         showPage(params.id, HISTORY_STATE_OPTION.NONE, params.path);
        var params = resolvePageInfo();
         window addEventlistener('message' handleWindowMessage).
```

## **Up Next**



We'll create a "Hello World" extension to learn the basics