

But what does it do?

creative strategies

The challenge is to blur the boundaries between the real and the fictional, so that the visionary becomes more real and the real is seen as just one limited possibility, a product of ideology maintained through...uncritical design.

(Dunne , 1999, p. 68)

Emotional Labor, Joanne McNeil

A Chrome extension for Gmail called Emotional Labor. Works on any email sent through Gmail. First write an email. Then click the smiley face to brighten up the tone of the email before sending.

<http://emotional-labor.email/>

TweetFired: a reminder

paolo.pedercini

A browser extension that replaces the “What’s happening?” question on Twitter’s text field:

<https://chrome.google.com/webstore/detail/tweetfired-a-reminder/epibnkppgfcofjibkkanefdpleabdmoa>

Rose Colored Window, Katie Rose Pipkin

rose colored window is a news filtration system that isolates and replaces violent words to their homonymic garden words.

running this extension constantly is cpu-intensive and not recommended. script can be toggled on/off from icon in the toolbar.

creative choices

adversarial // exemplary

antagonism // cooperation

rupture // salve

unmask // propose

via Sara Hendren

Does it have to be real?

“A game of chance
where your identity
is the grand prize.”

Douglas Rushkoff, Author
Former Facebook User



Sign in to play Social
Roulette



Social Roulette has a 1 in 6 chance of deleting your
account.

<http://www.socialroulette.net/>

The New York Times

Saturday, July 4th, 2009 Last Update: 8:42 AM ET

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Crumbling Infrastructure Brings Opportunities

By BARTLEBY SCRIVENER

Advocates seek to focus investment on proven, sustainable technologies to help move the country away from its dependency on fossil fuels.

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Cartoons

By ALBERTO STEIN

[Comments](#)

AFTER THE WAR

- [Crumbling Infrastructure Brings Opportunities](#)
- [Cartoons](#)



U.S. Army helicopters begin moving troops and equipment from Saddam Hussein's former Baghdad palace. (COURTESY ARMY.MIL)

Crumbling Infrastructure Brings Opportunities

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Advocates seek to focus investment on proven, sustainable technologies to help move the country away from its dependency on fossil fuels.

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Cartoons

Write for the Times

Got an article from the near future?

Send it to us, and we'll publish it.

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Advocates seek to focus investment on proven, sustainable technologies to help move the country away from its dependency on fossil fuels.

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Education Department Plans National Tax Base for Schools

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BUSINESS »

Crumbling Infrastructure Brings Opportunities

Advocates seek to focus

<http://www.nytimes-se.com/>



Methods of Non-violent action, Gene Sharp

What are you trying to do?

- do you want your work to unmask? explicate? investigate?
- can you explore an issue or question and have it speak to multiple perspectives on it?
- are you trying to propose an alternative to what currently exists?

- Who is the joke on? (who is made vulnerable by your project)
- Who is empowered by your project?
 - The audience?
 - Those already in power?

Who do you want it to provoke?

- The press?
 - Policy makers?
 - Another specific group?
- Why are you in a position to do this work?

tackle questions that might seem naive

embrace uncertainty

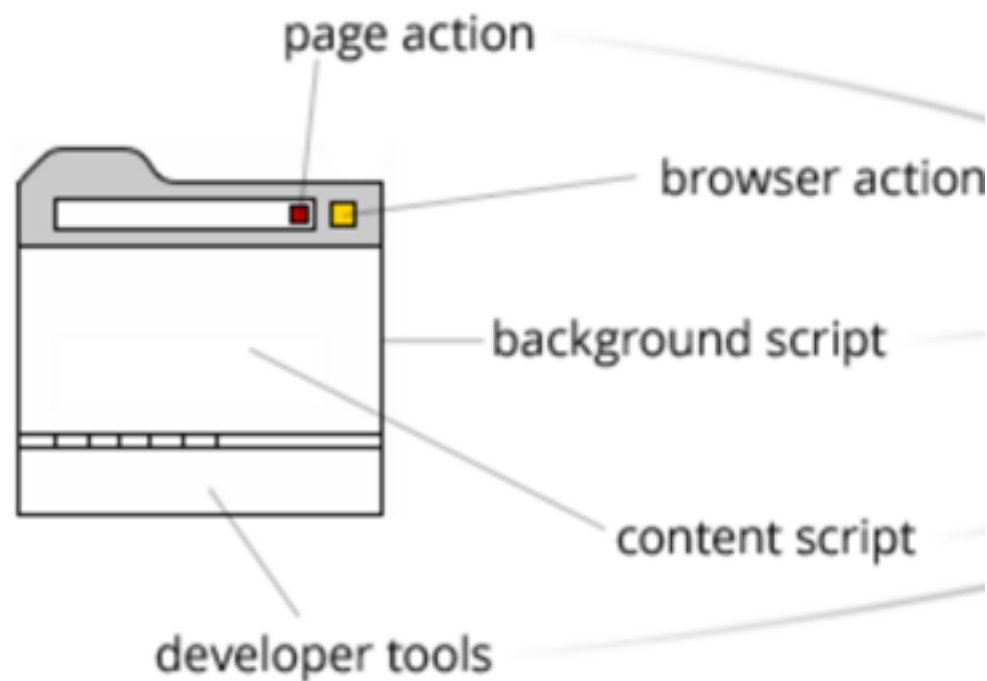
estrangle the everyday

what keeps you up at night?

Chrome Extensions

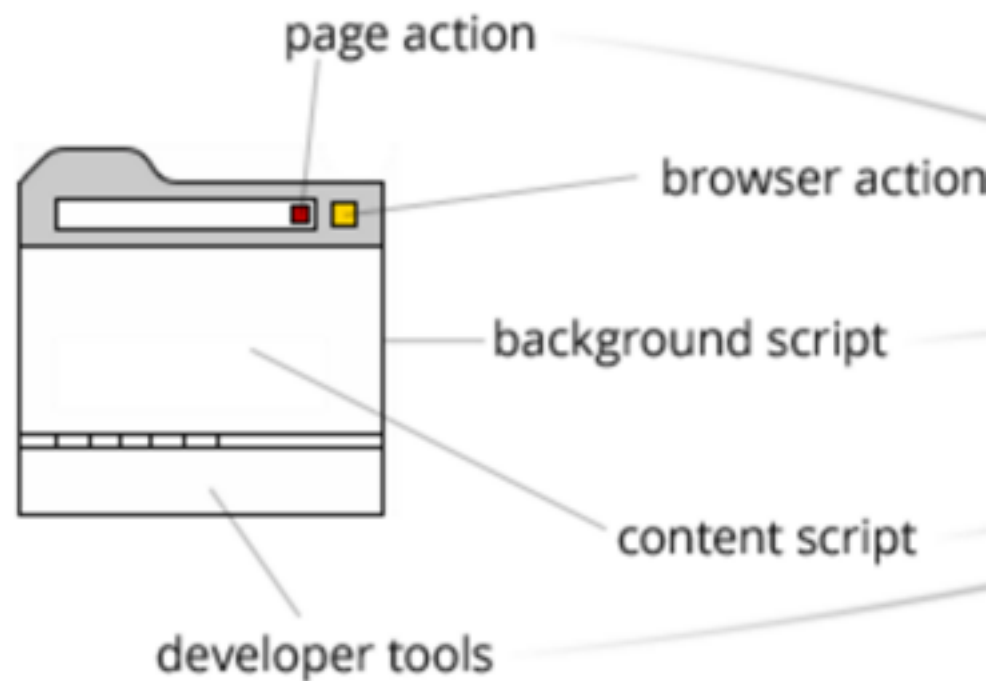
- Alter the browsing experience
- Add UI (toolbar, location bar, default pages, popups)
- See tabs, page contents
- Modify network requests (ad blockers)
- Types of Chrome Extensions

Components of an Extension: UI



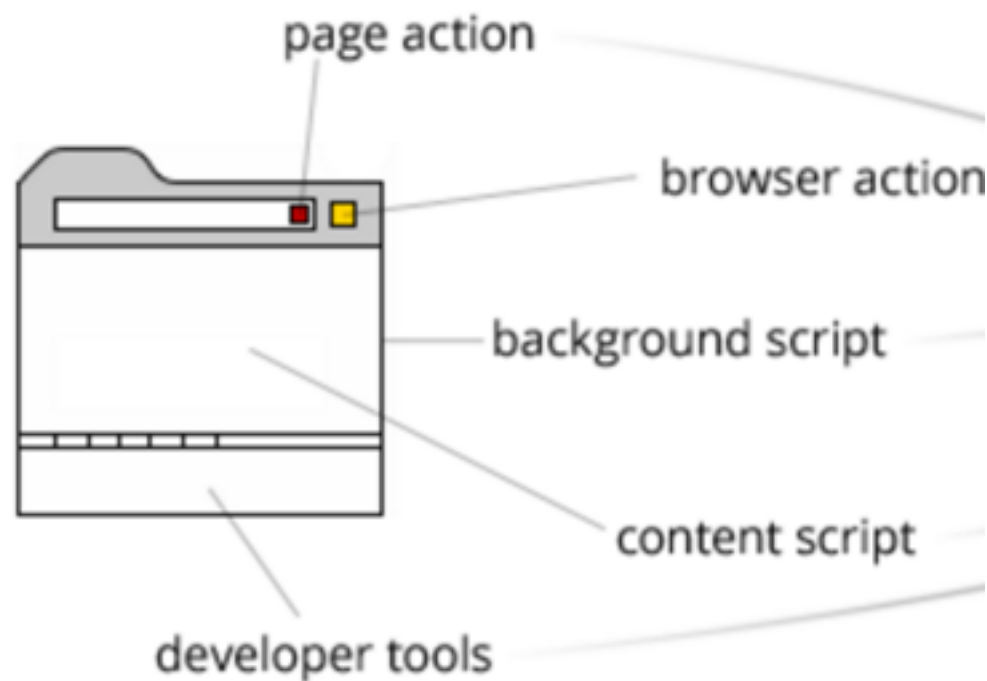
- Icons (page/browser action)
- Text (browser action)
- Popups (page/browser action)
- Images (browser actions)

Components of an Extension: UI Page Action



- icon
 - popup
 - title
- ^^ These properties are set by the manifest, can be modified by code
-
- no badge
 - disabled by default

Components of an Extension: UI Browser Action



- Creates a popup when the icon is clicked
- title
 - ^^ These properties are set by the manifest, can be modified by code
- badge
- badge background
- disable/enable
- default: enabled
 - ^^ These properties are modified by your background script

Before we start:

- Text editor
- Javascript
- JSON (javascript object notation)

Making an extension

chrome://extensions/

Prepare your browser

- Go to chrome://extensions and check “Developer mode”

Prepare your project

- Download examples
- Modify one of the extensions to your needs
- <https://github.com/tegacodes/speculative-bureaucracy/blob/master/Extensions.zip>

Components of an Extension

manifest.json

- Capabilities, names of files, permissions
- Check paths well!

content scripts

- AKA persistent bookmarklets
- Injected onto any/every page you want

background pages

- Used to communicate with Chrome (via APIs)
- Shared between all tabs

Components of an Extension

manifest.json

- Describes extension
- Points to files
- Requests permissions
- Must include “name”, “version”, “manifest_version”
- Must be valid JSON
- See notes in manifest explained!

Validate json: <http://jsonlint.com/>

Components of an Extension

extension environment

- triggered when you click the icon
- html that runs in the popup window
- Specified in manifest.json
- can link to js and read outside apis

See example 1b to see a p5 sketch running like this

Components of an Extension

content scripts

- Injected into page/tab
- Specified in manifest.json
- requires “matches” property (“<all_urls>”)
- cannot use most chrome.* apis
- can read the contents of the current page/tab
- can send messages to background script

See examples 2 - 6

Components of an Extension

background scripts

- Specified in manifest.json
- Run outside of page context
- One running script for all pages/tabs
- can use most chrome.* apis
- can send messages to content script(s)
- cannot read contents of active tab's page

Reverse-Engineering Extensions

- Install Chrome Extension Source Viewer from the chrome store
- View the extension on the google store, click the page action to download
- Start with the manifest.json file
- JavaScript code may be obfuscated/minified
- Note that modifying the extension's code may corrupt it
- To modify:
 - first make a COPY of the folder
 - delete the “_metadata” folder
 - change the “name” in manifest.json (optional)

Thank you Cory Forsyth for some of these
technical notes