**background.js to content.js communication protocol**

1. background.js sends message to every content.js

message = {

“action”: “getUrl”

}

1. content.js responds back to background.js.

response = {

“url”: <url of tab”

}

1. background.js checks if the url is within the user-specified domains.

If so, background.js sends another message to valid urls.

message = {

“action”: “updateTime”,

“time”: <time of timer for the domain”,

“remindInterval”: <time interval for reminding>

}

If not, background.js ignores the response from content.js.

1. content.js then responses back to background.js upon successful time update.

response = {

“status”: “successful”

}

If background.js did not get a successful response, background.js tags the tab as inactive.

**Total background.js message = 2**

**Total content.js response = 2**