

PWA to display elements on URL V1.4

A PWA to display buttons on a web page and generate activity.

This Progressive Web App should work when user is browsing using his android chrome browser (or any other mobile)

user will install app from our given webpage. The WPA will be active for all user browsing on his mobile.

Each app will have in its setting screen an option to enter admin mode (user/pass) and set the unique app number,

app will hold current IP and other info it can get on device (model,mac address or whatever is possible).

Upon entering a known url, app will send a web request to our site (giving the unique app number and details and the current url user is standing on) and get back a json defining activity to be done (i.e display web elements (buttons) that should be “floating” upon current page the user is surfing). or a JSON file with other “commands” app should perform like sending back the Log files or simulating clicks on original url.

When a floating button is clicked, app will open the browser in a new url (as defined in json) and can report to our server on the click. (log of actions)
each new url will have a “floating” back button to return to previous url.

App will be able to open an upload file dialog, and send the file to a given url.

App will be able to simulate mouse clicks and text entry as defined in JSON (command simulate)

App will be able to keep a track of the user browsing (name of urls+params) (log of surfing) and will send it to server upon request.

App will ping our server periodically, and will work according to JSON answer it gets. (for example command to send back log files)

This app should hold

a – app/user unique number and details

b – list of urls to “track”, when such url is encountered, app ping server and request what to do.

Url can also be wildcard like *.cnn.com, so any subdomain of cnn.com will activate the app.

JSON can hold

- the command to be done (i.e **display-on-screen, send-log-activty, simulate-clicks**)
- list of screen elements
 - the element type (button, text label)
 - the element location and size on screen (in percentage from screen (max = 100%))
 - an animated gif to be displayed when button is idle
 - an animated gif to be displayed once button is clicked
 - a url to jump to when button is clicked.
 - any other HTML tag that is relevent for the element.

Elements app supports

Button (a clickable image)

Text label (display text on screen)

HotSpot (like button but transparent, with no images)

Upload file Button

JSON Samples

```
{
  "JSON-VERSION": 23.1,
  "command" : "display-on-screen",
  "url-to-display-upon" : "news.mydomain.com",
  "screen" : "landscape",
  "elements": {
    "text1": {
      "type": "text label",
      "top-left-location": "10,60",
      "Xsize": "12",
      "Ysize": "12",
      "font": "sans-serif.ttf",
      "color": "#9374F"
    },
    "button1": {
      "type": "button",
      "top-left-location": "30,45",
      "Xsize": "10",
      "Ysize": "8",
      "idle-Image": "http://myimages.com/idle-image-but1.gif",
      "click-Image": "http://myimages.com/click-image-but1.gif",
      "url2Open": "http://cnn.com/posts/wieuhdd?id=46474833"
    },
    "button2": {
      "type": "button",
      "top-left-location": "10,60",
      "Xsize": "12",
      "Ysize": "12",
      "idle-Image": "http://myimages.com/idle-image-but2.gif",
      "click-Image": "http://myimages.com/click-image-but2.gif",
      "url2Open": "http://cnn.com/posts/wieuhdd?id=46474833"
    },
    "hotspot1" : {
      "type" : "hotspot",
      "top-left-location": "10,60",
      "Xsize": "12",
      "Ysize": "12",
      "url2Open": "http://cnn.com/posts/wieuhdd?id=46474833"
    }
  }
}
```

```
{
  "JSON-VERSION": 23.1,
  "command" : "send-log-activity",
  "url2send" : "https://mylogs.com/32782764?DD=464G"
}
```

```
{
  "JSON-VERSION": 23.1,
  "command" : "simulate-clicks",
  "simulateSet" : {
    "simulate1" : {
      "positionOnScreen" : "50,23",
      "type" : "click",
      "seconds-wait-after-click" : "3"
    },
    "simulate2" : {
      "positionOnScreen" : "20,21",
      "type" : "double-click",
      "seconds-wait-after-click" : "0"
    },
    "simutext1" : {
      "positionOnScreen" : "30,31",
      "type" : "text",
      "textToEnter" : "Hello World",
      "seconds-wait-after-click" : "0"
    }
  }
}
```
