Browser.info, by Dutchman, September 2017

=========== Manual for Dav's extended browser ===========
Dav's Browser (http://bit.ly/1PpeSOS) has been adapted and extended with new user-interface and download-facilities. Its name now is "Browser.sb"

New user-interface-buttons: (See image "SYSTEM/ButtonPics/buttons.png")

The symbols have names attached because the character-set used is special.

◀back   = backwards in history

▶forward   = forward in history

⬤stop   = stop loading

↻refresh   = refresh contents

🏠home   = load home-page

☀favs   = select or add favorite URL

✖quit   = quit

The following buttons are at top OR bottom (iPhone vertical)

 • User-specific buttons (with variable image):

SB   = "Special Button"

PB   = "Personal Button"

 • And the 'dump' buttons:

🔗chain   = download specified links

🎞film   = download pathnames of images on page

🛠tools   = download code on page

⬇down   = download webpage OR file-pathnames and -names

Usage:
The file "favorites." contains data for usage with the ☀favs-button. Websites can be

added, removed or loaded.
If a single word is entered in the URL-field, then Google-search will start with that word. In the google-search-field the search can then be refined. In this way other websites can be found and loaded.
If nothing is entered, then the Google opening-page will be loaded.

The preferences-file "preferences.default" can best be renamed to e.g. "preferences.<username>" because it contains user-settings and might be overwritten by updates if it has the default-name. After update of the browser, the include statement {......} in the first line of the Preset-section of the program should be changed accordingly. This will save user settings and make different settings on iPhone and iPad easy. Furthermore certain settings are added for usage with other programs and other programs can use settings of the browser.

======= SB- and PB-buttons =======
These buttons are intended for special functions and/or personal extensions
At this moment these buttons recall the last page visited of the SB-forum and the personal website of Dav, the spiritual father of this browser. The visited url's will be stored in "lastSB." and "lastPB.". The personal button can be replaced by your own avatar or portret. Replace it then as "pb.PNG" in the folder "SYSTEM/ButtonPics/"
The websites linked to these buttons are in the preferences.-file as SBurl$ and PBurl$ respectively. These url's can be changed, but the associated files "lastSB." and "lastPB." should then be deleted so that they will be updated by the program.

======= Dump buttons =======
 • If the ⚭chain-symbol is touched then all links on the website will be download that have an extension as in the string LinkExt$ in the Preferences. In this way specific links can be extracted eg. LinkExt$="PDF,DOC,TXT". This 'dump' will also collect links to other websites.

 • If the 🎞film-symbol is touched, then the path-names of the pictures of the current webpage will be written to the folder "Dumps". Also the links to images in class "postimage" of the HTML-code will be extracted. The images can then be downloaded with 'File transfer' utilities. See below.

 • Touching the 🛠tools-symbol starts the download of code in the webpage, if present. The code is written to the file determined by the variable Code$ in the preset-section of the program. Multiple code-sections might be present and they will be written to a separate file. The numeric part of the file-extension will be incremented.

 • Touching the ⬇down-symbol starts a download of the webpage or pathnames and filenames of attached files.
If a normal webpage is on display, then the contents of that page is written to the file determined by the variable Page$ in the preferences-file of the program.
If a download-link has been touched on the webpage, then the display will show

the contents. If then the ⬇️down-symbol is touched, then a list is made of all the download-links on that page. The lines with Pathnames and File-names are then written to Clipboard AND to file Link$.

Additional download-data by repetitive usage of "⬇️down" will be stored in separate files with increasing numeric index in the file-extension.

Files LinkExt$, Code$, File$ and Page$ will be written to the folder determined by Dump$ in the preferences-list of the program. If the folder doesn't exist, then it will be created by the browser.

======= 'File transfer' utilities and PROCEDURES for DOWNLOAD ========
The folder 'File transfer' can be found on Dropbox at: http://bit.ly/2xzbgvG
The utility-programs might use settings from the preferences-list.
These programs are 'quick' solutions and have not been thoroughly tested.

 • To download code:
- Start browser and open the desired webpage

- Touch the 🛠️tools-button. All code-sections will be downloaded
- Find the "code.dump-?" file with the desired code.
- That file has to be clarified from special HTML-codes"
      • Open the program "Clarify.sb" and change InFile$ to the desired file
      • Change OutFile$ or change the file-name after run
      • Run the program
      • The resulting program should now be executable
- It might happen however that the code is corrupted. The reason is unknown, because the code-section is simply written to file. If the complete page is dumped

with the ⬇️down button, then the code appears to be present uncorrupted.
Therefore the utility "Code from webpage.sb" has been added which extract the first code-section from the webpage. The utility also clarifies the code and will be extended later for multiple code-sections.

 • To download files, attached to active links on the webpage
- Start browser and open the desired webpage
- Touch one of the attached files
- The file will be displayed, including strange characters if content is not text.
- The displayed content can be sent by mail
      • Touch the screen to get: | Copy | Select All | Look Up | Share… |
      • Touch 'Select All'
      • Touch 'Share…'
      • Touch 'Mail'
      • Complete the mail-form and send
- OR touch the ⬇️down-button for download
- The browser returns to the webpage and stores download-links
- The generated "links.dump-?"-file contains pathnames and filenames.
      • Select the desired "links.dump-?"-file and open program "Download files.sb"
      • Change the name of InFile$ to the desired filename

• Run the program. The files will be in the "Dumps"-folder.
  • Change or remove the ".txt"-extension, if required.
- OR use clipboard content to transfer the links to another program.
  An example of Clipboard-read is the program "Read Clipboard.sb"

  • To download 'images' and 'pics'.
On the webpage certain images are identified by a pathname and file-name and others with a pathname only. The first type of images are referred to as 'images' and are identified by the classname "postimage". They are of interest because they are 'posted'.
The second type of images are referred to as 'pics' and in general are part of the basic layout of the webpage, might be present in a large number, are often used as link to next webpage and are in general of low interest.
- Start browser and open the desired webpage
- Touch the film button
- Pathnames will be written to file
- With utility "Download pics selection.sb" the "images.dump-…"-files and the pics.dump-…"-files can be inspected and pics or images optionally saved.
- With utility "Download images.sb" all images can be downloaded in one run. However it might happen that the filenames in the dump-file are not correct, e.g. all with the same name "Image". So it is better to inspect the contents of the dump-file on forehand.