**WordWebNav: Installation, System-Requirements, and Compatibility**

# System requirements

WordWebNav (WWN) requires: Windows, Python 3.7 (or higher), and Microsoft Word

The appendix has additional details, including specification of the apps WWN has been tested with.

# Installation

Tutorials for common technical tasks are available on the Internet, e.g., tutorials on zip.

Download the WWN package:

* WWN is distributed on GitHub at: <https://github.com/jimyuill/word-web-nav>
* Click on the green *Code* button, then click to clone or to download a zip-file.
* The simplest technique is to download a zip-file. Then unzip the file, and move the directory somewhere that is easy to find, e.g., under the Documents folder.

Install and configure Python:

* Install Python 3.7 or higher
* Then, install the required Python libraries. At a Windows' command prompt:

> cd <to WWN repo directory>

> pip install -r requirements.txt

Copy WWN's CSS and JavaScript files to the web-server:

* (This step can be done later, e.g., after using WWN, and viewing its web-pages from the local file-system.)
* These CSS and JavaScript files will be loaded by WWN web-pages. Typically, these files will be placed on the same web-server as the WWN web-pages. If these files are placed on a different web-server, cross-origin CSS may need to be configured (<https://developer.mozilla.org/en-US/docs/Web/Security/Same-origin_policy>).
* These files are in the repo's directory "assets".
* Copy the files to the web-server, in an appropriate directory for such files, e.g., assets.

# Appendix: requirements, compatibility, and test-coverage

## Running WordWebNav

Running WWN requires: Windows, Python 3.7 (or higher), and Microsoft Word

WWN might work with Python 3 versions below 3.7. However, in our testing, the required library yamllint did not install properly in Python 3.6.

WWN has been tested with:

* Windows 10
* Python 3.7.0 and 3.9.6
* Microsoft Word:
  + Software: Microsoft 365 MSO (16.0.14131.20278) 64-bit
  + Word .doc\* files in these formats: Word 2003, Word 2010, Word 2013, Word 15

## Web-server configuration

WWN has been tested on an IIS web-server.

## Browser compatibility

WWN web-pages are intended for use with desktop browsers, and mobile devices with a relatively large screen. (Smart-phone screens will likely be too small.)

WWN's CSS and JavaScript files use the libraries jQuery and jQuery UI. The libraries' URLs and versions are specified in the WWN file: jinja\_template.html. The libraries are at: <https://code.jquery.com>. For a WWN web-page to display properly, those libraries must be accessible from the browser. The browser's firewall must allow access there.

For a WWN web-page to display properly, the browser must be compatible with the jQuery and jQuery UI libraries. The major browsers are compatible. The libraries' browser-compatibility is specified here:

* <https://jquery.com/browser-support/>
* <https://jqueryui.com/browser-support/>

WWN web-pages have been tested on these desktop browsers:

* Windows 10
  + Firefox 87.0
  + IE version 2004, build 19041
  + Edge version 89.0.774.54
  + Chrome version 89.0.4389.82
* Ubuntu
  + Firefox 86.0.1
* Mac OS (the testing service only provided a screen-shot of the loaded web-page)
  + Firefox 82.0
  + Chrome 87.0

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