# Software specifications

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Chapter number** | **Software required (With version)** | **Free/Proprietary** | **If proprietary, can code testing be performed using a trial version** | **If proprietary, then cost of the software** | **Download links to the software** | **OS required** |
| 1, 14 | NodeJS - version 0.12.2 | Free | N/A | N/A | <https://nodejs.org> | Any |
| *1, 11* | *Bower* | *Free* | *N/A* | *N/A* | <http://www.bower.io> | *Any* |
| *1* | *jQuery (via bower) - versions 1.11.2 / 2.1.3 or newer* | *Free* | *N/A* | *N/A* | *http://www.jquery.com* | *Any* |
| All except 1, 13, 14 | jQuery – version 2.1.3 or 1.11.2 | Free | N/A | N/A | <http://www.jquery.com> | Any |
| 1 | Fira Sans font | Free | N/A | N/A | <http://www.fontsquirrel.com/fonts/fira-sans> | Any |
| *1, 14* | RequireJS  (via bower) | *Free* | *N/A* | *N/A* | <https://www.npmjs.com/package/bower-requirejs> | *Any* |
| 1 | Git | Free | N/A | N/A | <http://msysgit.github.io> | Windows |
| *1, 12, 13, 14* | Grunt | *Free* | *N/A* | *N/A* | <http://gruntjs.com> | *Any* |
| 1, 4, 5, 9 (if needed) | Local webserver  e.g.  MAMP 3 – Mac (not Pro)  WAMP 2.5 – Win  Any available in in distro - Linux | Free | N/A | N/A | If downloads are required:  Windows – <http://www.wampserver.de/en>  Mac – <http://www.mamp.info> | If downloads are required:  MAMP – Mac  WAMP – Windows |
| 1 | Modernizr 2.8.3 | Free | N/A | N/A | <http://www.modernizr.com> | Any |
| All chapters | Sublime Text 2 | Proprietary | Yes | Yes | <http://www.sublimetext.com/2> | Any |
| 2 | jquery.requestAnimationFrame.js. | Free | N/A | N/A | https://github.com/gnarf/jquery-requestAnimationFrame /blob/master/src/jquery.requestAnimationFrame.js. | Any |
| 2 | Noto Sans Font | Free | N/A | N/A | <http://www.fontsquirrel.com/fonts/noto-sans> | Any |
| 2 | WebP image format support - libwebp-0.4.2-windows-x64.zip | Free | N/A | N/A | <http://downloads.webmproject.org/>  releases/webp/index.html | Windows |
| 4 | jQuery Form Validator | Free | N/A | N/A | http://formvalidator.net/ | Any |
| 4, 5 | Test Mail Server Tool | Free | N/A | N/A | http://www.toolheap.com/test-mail-server-tool/ | Windows |
| 4, 5 | Access to a configured email account, set to receive emails | Free | N/A | N/A | Preference is not to use a free email account such as Hotmail/Outlook.com. | Any |
| 4, 5 | Bootstrap – version 3.3.4 (although any recent version will be OK) | Free | N/A | N/A | http://www.getbootstrap.com | Any |
| 4, 5, 12 | Blue Imp file upload plugins – any recent version will work fine | Free | N/A | N/A | <https://blueimp.github.io/jQuery-File-Upload/>; download from <https://github.com/blueimp/jQuery-File-Upload/tags>. | Any |
| 4, 5, 7, 12 | jQuery UI – version 1.11.1 or newer  (can substitute for version 2.x.x if IE 6-8 support not critical) | Free | N/A | N/A | http://www.jqueryui.com/download | Any |
| 5 | AJAX LocalStorage prefilter plugin | Free | N/A | N/A | <https://github.com/paulirish/jquery-ajax-localstorage-cache/archive/master.zip> | Any |
| 6 | Climacons font | Free | N/A | N/A | <http://adamwhitcroft.com/climacons/font/> | Any |
| 6 | OpenSans font | Free | N/A | N/A | <http://www.fontsquirrel.com/fonts/open-sans> | Any |
| 6 | Roboto Light font | Free | N/A | N/A | <http://www.fontsquirrel.com/fonts/roboto> | Any |
| 6, 8 | bez plugin | Free | N/A | N/A | <https://github.com/rdallasgray/bez> | Any |
| 6 | jquery-animate-css-rotate-scale.js | Free | N/A | N/A | <http://www.zachstronaut.com/posts/2009/08/07/jquery-animate-css-rotate-scale.html> | Any |
| 6 | FitText plugin | Free | N/A | N/A | <http://www.fittextjs.com> | Any |
| 6 | DebouncedResize plugin | Free | N/A | N/A | https://github.com/louis remi/jquery-smartresize/blob/master/jquery.debouncedresize.js   * Note: code uses renamed version of this plugin as boxgrid.js | Any |
| 6 | Jquery.elastislide.js plugin | Free | N/A | N/A | REMOVE |  |
| 6 | Jquery.SmoothSate.js | Free | N/A | N/A | https://github.com/miguel-perez/jquery.smoothState.js | Any |
| 6 | Jquery-css-transform.js | Free | N/A | N/A | REMOVE |  |
| 6 | 2 custom versions of Modernizr plugin | Free | N/A | N/A | Use the versions in the code download | Any |
| 6 | interactive-svg.js plugin | Free | N/A | N/A | REMOVE |  |
| 7 | jQuery Multiclick plugin | Free | N/A | N/A | <http://jamesmgreene.github.io/jquery.multiclick/> | Any |
| 8, 9 | jQuery Easing plugin | Free | N/A | N/A | http://gsgd.co.uk/sandbox/jquery/easing/ | Any |
| 9 | jQuery Visibility plugin | Free | N/A | N/A | <https://github.com/mathiasbynens/jquery-visibility> | Any |
| 9 | jQuery Marker Animate plugin | Free | N/A | N/A | https://github.com/combatwombat/marker-animate | Any |
| 9 | Favicons plugin | Free | N/A | N/A | http://softwareas.com/dynamic-favicons | Any |
| 9 | Thumbelina Slider | Free | N/A | N/A | [https://github.com/StarPlugins/ thumbelina](https://github.com/StarPlugins/%20thumbelina) | Any |
| 9 | Visibility plugin | Free | N/A | N/A | <https://github.com/ai/visibilityjs> | Any |
| 9 | Big Buck Bunny videos | Free | N/A | N/A | <https://peach.blender.org/> | Any (check site for different versions, if videos don’t run) |
| 9 | WordPress – either self-hosted (4.1.1) or hosted version | Free | N/A | N/A | Hosted: <http://www.wordpress.com>  Self-hosted:  <http://www.wordpress.com> (on own webspace, or using local webserver) | Any |
| 10 | CamanJS | Free | N/A | N/A | <http://camanjs.com/> | Any |
| 10 | jquery.colorup.js plugin | Free | N/A | N/A | REMOVE |  |
| 10 | jQuery cssAnimate plugin | Free | N/A | N/A | <http://cortys.de/cssAnimate/> | Any |
| 10 | jQuery Signature Pad plugin | Free | N/A | N/A | <http://thomasjbradley.ca/lab/signature-pad> | Any |
| 10 | JSON2.js | Free | N/A | N/A | https://github.com/douglascrockford/JSON-js | Any |
| 11, 13 | jQuery Animated Enhanced plugin | Free | N/A | N/A | <https://github.com/benbarnett/jQuery-Animate-Enhanced> | Any |
| 11 | jQuery HoverIntent plugin | Free | N/A | N/A | <http://cherne.net/brian/resources/jquery.hoverIntent.html> | Any |
| *11* | *jsDoc (via Node )* | *Free* | *N/A* | *N/A* | <http://www.usejsdoc.org> | Any |
| 12 | Markdown package for Node | Free | N/A | N/A | <https://github.com/andris9/node-markdown> | Any |
| 12 | nw.js (a.k.a Node WebKit) | Free | N/A | N/A | <http://nwjs.io/> | Any |
| 12 | jQuery Knob plugin | Free | N/A | N/A | <https://github.com/aterrien/jQuery-Knob> | Any |
| 12 | Inno Setup – version 5.5 | Free | N/A | N/A | <http://jrsoftware.org/isdl.php#stable> | Any |
| *13* | *jsHint (via Grunt)* | *Free* | *N/A* | *N/A* | <http://jshint.com/docs/> | Any |
| *13* | *pageSpeed (via Grunt)* | *Free* | *N/A* | *N/A* | <https://github.com/jrcryer/grunt-pagespeed> | Any |
| *13* | *ySlow (via Grunt)* | *Free* | *N/A* | *N/A* | [https://github.com/andyshora /grunt-yslow](https://github.com/andyshora%20/grunt-yslow) | Any |
| *14* | *QUnit* | *Free* | *N/A* | *N/A* | Main site: http://qunitjs.com/  http://code.jquery.com/QUnit/QUnit-1.15.0.js  http://code.jquery.com/QUnit/QUnit-1.15.0.css | Any |
| *14* | *PhantomJS (via Grunt)* | *Free* | *N/A* | *N/A* | https://github.com/Medium/phantomjs | Any |

Assumptions:

* Internet access, for CDN links such as jQuery (as listed in the text)
* Internet browsers with DOM Inspectors included – preferably Firefox (with Firebug – <http://www.getfirebug.com>) and / or Chrome (DOM Inspector already built in).
* Hardware column removed – no specific hardware requirements for any of the software used, over and above the OS version used.
* Under OS: if **Any** listed, then software can be used on Windows, Mac or Linux platforms.
* Any shown in *italics* are downloaded via the Internet during the exercise; they do not have to be installed prior to that exercise being started.
* The version of jQuery that was used for the demos is 2.1.3 – this is in the code download.
* If a plugin is not listed in the code above, then it is likely to be my own creation, and not from a third party site.
* Majority of code for Chapter 13 is taken straight from Chapter 11.
* Any plugins highlighted in yellow should be removed from the js folder of the relevant chapter folder – they are no longer needed.

# Installation of applications (not plugins):

Node: Double click the installer, then click Next, tick “I accept the terms in the License Agreement”, Next, next, Install, Finish (when appropriate option is displayed).

Grunt: see <http://gruntjs.com/getting-started> for installation instructions.

Webserver – WAMP: <http://www.slideshare.net/triniwiz/wamp-20949805> details how to install it; use default options set throughout – no need to change any parameters shown.  
 MAMP: I believe <https://www.mamp.info/en/documentation/MAMP-3-User-Guide.pdf> should be sufficient (not a Mac expert!)

Sublime Text: double click installer, then press Next, Next, Install and Finish (when appropriate button shown).

WebP Image format support: details are shown at <https://developers.google.com/speed/webp/docs/webp_codec>.

Inno Setup: Double click the installer, then select language, Next, select “I accept the agreement”, Next, Next, Next, Install, then Finish.

WordPress: requires local web server such as WAMP or MAMP to be installed first; once done, follow instructions listed here: <http://codex.wordpress.org/Installing_WordPress#Famous_5-Minute_Install>.

Test Mail Server: see <http://www.toolheap.com/test-mail-server-tool/users-manual.html> for installation instructions.