```
#  # Apache configuration file
#  # httpd.apache.org/docs/2.2/mod/quickreference.html

#  # Note .htaccess files are an overhead, this logic should be in your Apache
#  # config if possible: httpd.apache.org/docs/2.2/howto/htaccess.html

#  # Techniques in here adapted from all over, including:
#  #   Kroc Camen: camendesign.com/.htaccess
#  #   perishablepress.com/press/2006/01/10/stupid-htaccess-tricks/
#  #   Sample .htaccess file of CMS MODx: modxcms.com


#  # ----------------------------------------------------------------------
#  # Better website experience for IE users
#  # ----------------------------------------------------------------------

#  # Force the latest IE version, in various cases when it may fall back to IE7 mode
#  #  github.com/rails/rails/commit/123eb25#commitcomment-118920
#  # Use ChromeFrame if it's installed for a better experience for the poor IE folk

#  <IfModule mod_headers.c>
     Header set X-UA-Compatible "IE=Edge,chrome=1"
#      # mod_headers can't match by content-type, but we don't want to send this header on *ev
#      #<FilesMatch "\.(js|css|gif|png|jpe?
g|pdf|xml|oga|ogg|m4a|ogv|mp4|m4v|webm|svg|svgz|eot|ttf|otf|woff|ico|webp|appcache|manifest|
>
#        Header unset X-UA-Compatible
#      </FilesMatch>
#  #</IfModule>


#  # ----------------------------------------------------------------------
#  # Cross-domain AJAX requests
#  # ----------------------------------------------------------------------

#  # Serve cross-domain Ajax requests, disabled by default.
#  # enable-cors.org
#  # code.google.com/p/html5security/wiki/CrossOriginRequestSecurity

#  #  <IfModule mod_headers.c>
#  #    Header set Access-Control-Allow-Origin "*"
#  #  </IfModule>
```

```
#   # ----------------------------------------------------------------------
#   # CORS-enabled images (@crossorigin)
#   # ----------------------------------------------------------------------

#   # Send CORS headers if browsers request them; enabled by default for images.
#   # developer.mozilla.org/en/CORS_Enabled_Image
#   # blog.chromium.org/2011/07/using-cross-domain-images-in-webgl-and.html
#   # hacks.mozilla.org/2011/11/using-cors-to-load-webgl-textures-from-cross-domain-images/
#   # wiki.mozilla.org/Security/Reviews/crossoriginAttribute

#   <IfModule mod_setenvif.c>
#     <IfModule mod_headers.c>
#       # mod_headers, y u no match by Content-Type?!
#       <FilesMatch "\.(gif|png|jpe?g|svg|svgz|ico|webp)$">
#         SetEnvIf Origin ":" IS_CORS
#         Header set Access-Control-Allow-Origin "*" env=IS_CORS
#       </FilesMatch>
#     </IfModule>
#   #</IfModule>


#   # ----------------------------------------------------------------------
#   # Webfont access
#   # ----------------------------------------------------------------------

#   # Allow access from all domains for webfonts.
#   # Alternatively you could only whitelist your
#   # subdomains like "subdomain.example.com".

#   <IfModule mod_headers.c>
#     <FilesMatch "\.(ttf|ttc|otf|eot|woff|font.css)$">
#       Header set Access-Control-Allow-Origin "*"
#     </FilesMatch>
#   #</IfModule>


#   # ----------------------------------------------------------------------
#   # Proper MIME type for all files
#   # ----------------------------------------------------------------------

#   # JavaScript
#   #   Normalize to standard type (it's sniffed in IE anyways)
```

```
#  #   tools.ietf.org/html/rfc4329#section-7.2
#  AddType application/javascript      js jsonp
#  AddType application/json            json


#  # Audio
#  AddType audio/ogg                   oga ogg
#  AddType audio/mp4                   m4a f4a f4b


#  # Video
#  AddType video/ogg                   ogv
#  AddType video/mp4                   mp4 m4v f4v f4p
#  AddType video/webm                  webm
#  AddType video/x-flv                 flv


   # SVG
#  #   Required for svg webfonts on iPad
#  #   twitter.com/FontSquirrel/status/14855840545
#  AddType     image/svg+xml           svg svgz
#  AddEncoding gzip                     svgz


#  # Webfonts
#  AddType application/vnd.ms-fontobject   eot
#  AddType application/x-font-ttf          ttf ttc
#  AddType font/opentype                   otf
#  AddType application/x-font-woff         woff


#  # Assorted types
#  AddType image/x-icon                         ico
#  AddType image/webp                           webp
#  AddType text/cache-manifest                  appcache manifest
#  AddType text/x-component                      htc
#  AddType application/xml                       rss atom xml rdf
#  AddType application/x-chrome-extension        crx
#  AddType application/x-opera-extension         oex
#  AddType application/x-xpinstall               xpi
#  AddType application/octet-stream              safariextz
#  AddType application/x-web-app-manifest+json webapp
#  AddType text/x-vcard                          vcf
#  AddType application/x-shockwave-flash         swf
#  AddType text/vtt                              vtt
```

```
#   # -------------------------------------------------------------------
#   # Allow concatenation from within specific js and css files
#   # -------------------------------------------------------------------

#   # e.g. Inside of script.combined.js you could have
#   #    <!--#include file="libs/jquery-1.5.0.min.js" -->
#   #    <!--#include file="plugins/jquery.idletimer.js" -->
#   # and they would be included into this single file.

#   # This is not in use in the boilerplate as it stands. You may
#   # choose to use this technique if you do not have a build process.

#   #<FilesMatch "\.combined\.js$">
#   #  Options +Includes
#   #  AddOutputFilterByType INCLUDES application/javascript application/json
#   #  SetOutputFilter INCLUDES
#   #</FilesMatch>

#   #<FilesMatch "\.combined\.css$">
#   #  Options +Includes
#   #  AddOutputFilterByType INCLUDES text/css
#   #  SetOutputFilter INCLUDES
#   #</FilesMatch>

#   # -------------------------------------------------------------------
#   # Gzip compression
#   # -------------------------------------------------------------------

#   <IfModule mod_deflate.c>

#     ## Force deflate for mangled headers developer.yahoo.com/blogs/ydn/posts/2010/12/pushi
#     <IfModule mod_setenvif.c>
      <IfModule mod_headers.c>
#         #SetEnvIfNoCase ^(Accept-EncodXng|X-cept-Encoding|X{15}|~{15}|-{15})$ ^((gzip|defl.
HAVE_Accept-Encoding
#         RequestHeader append Accept-Encoding "gzip,deflate" env=HAVE_Accept-Encoding
#       </IfModule>
#     #</IfModule>

#     # HTML, TXT, CSS, JavaScript, JSON, XML, HTC:
#     #<IfModule filter_module>
```

```
#     #  FilterDeclare   COMPRESS
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $text/html
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $text/css
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $text/plain
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $text/xml
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $text/x-component
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/javascript
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/json
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/xml
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/xhtml+xml
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/rss+xml
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/atom+xml
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/vnd.ms-fontobject
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $image/svg+xml
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $image/x-icon
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $application/x-font-ttf
#     #  FilterProvider  COMPRESS  DEFLATE resp=Content-Type $font/opentype
#     #  FilterChain     COMPRESS
#     #  FilterProtocol  COMPRESS  DEFLATE change=yes;byteranges=no
#     #</IfModule>

#     <IfModule !mod_filter.c>
#       # Legacy versions of Apache
#       AddOutputFilterByType DEFLATE text/html text/plain text/css application/json
#       AddOutputFilterByType DEFLATE application/javascript
      AddOutputFilterByType DEFLATE text/xml application/xml text/x-component
#       AddOutputFilterByType DEFLATE application/xhtml+xml application/rss+xml application/
#       #AddOutputFilterByType DEFLATE image/x-icon image/svg+xml application/vnd.ms-fontobje
font/opentype
#     #</IfModule>

#   #</IfModule>

#   # ----------------------------------------------------------------------
#   # Expires headers (for better cache control)
#   # ----------------------------------------------------------------------

#   # These are pretty far-future expires headers.
#   # They assume you control versioning with filename-based cache busting
#   # Additionally, consider that outdated proxies may miscache
#   #   www.stevesouders.com/blog/2008/08/23/revving-filenames-dont-use-querystring/
```

```
#   # If you don't use filenames to version, lower the CSS and JS to something like
#   # "access plus 1 week".

#   <IfModule mod_expires.c>
#     ExpiresActive on

#   # Perhaps better to whitelist expires rules? Perhaps.
#     ExpiresDefault                          "access plus 1 month"

#   # cache.appcache needs re-requests in FF 3.6 (thanks Remy ~Introducing HTML5)
#     ExpiresByType text/cache-manifest       "access plus 0 seconds"

#   # Your document html
#     ExpiresByType text/html                 "access plus 0 seconds"

#   # Data
#     ExpiresByType text/xml                  "access plus 0 seconds"
#     ExpiresByType application/xml           "access plus 0 seconds"
#     ExpiresByType application/json          "access plus 0 seconds"

#   # Feed
#     ExpiresByType application/rss+xml       "access plus 1 hour"
#     ExpiresByType application/atom+xml      "access plus 1 hour"

#   # Favicon (cannot be renamed)
#     ExpiresByType image/x-icon              "access plus 1 week"

#   # Media: images, video, audio
#     ExpiresByType image/gif                 "access plus 1 month"
#     ExpiresByType image/png                 "access plus 1 month"
#     ExpiresByType image/jpeg                "access plus 1 month"
#     ExpiresByType video/ogg                 "access plus 1 month"
#     ExpiresByType audio/ogg                 "access plus 1 month"
#     ExpiresByType video/mp4                 "access plus 1 month"
#     ExpiresByType video/webm                "access plus 1 month"

#   # HTC files  (css3pie)
#     ExpiresByType text/x-component          "access plus 1 month"

#   # Webfonts
```

```
#   ExpiresByType application/x-font-ttf    "access plus 1 month"
#   ExpiresByType font/opentype             "access plus 1 month"
#   ExpiresByType application/x-font-woff   "access plus 1 month"
#   ExpiresByType image/svg+xml             "access plus 1 month"
#   ExpiresByType application/vnd.ms-fontobject "access plus 1 month"

# # CSS and JavaScript
#   ExpiresByType text/css                  "access plus 1 year"
#   ExpiresByType application/javascript    "access plus 1 year"

# #</IfModule>

# # ----------------------------------------------------------------------
# # Prevent mobile network providers from modifying your site
# # ----------------------------------------------------------------------

# # The following header prevents modification of your code over 3G on some
# # European providers.
# # This is the official 'bypass' suggested by O2 in the UK.

# # <IfModule mod_headers.c>
# # Header set Cache-Control "no-transform"
# # </IfModule>

# # ----------------------------------------------------------------------
# # ETag removal
# # ----------------------------------------------------------------------

# # FileETag None is not enough for every server.
# <IfModule mod_headers.c>
#   Header unset ETag
# #</IfModule>

# # Since we're sending far-future expires, we don't need ETags for
# # static content.
# #   developer.yahoo.com/performance/rules.html#etags
# FileETag None

# # ----------------------------------------------------------------------
# # Stop screen flicker in IE on CSS rollovers
# # ----------------------------------------------------------------------
```

```
#   # The following directives stop screen flicker in IE on CSS rollovers - in
#   # combination with the "ExpiresByType" rules for images (see above).


#   # BrowserMatch "MSIE" brokenvary=1
#   # BrowserMatch "Mozilla/4.[0-9]{2}" brokenvary=1
#   # BrowserMatch "Opera" !brokenvary
#   # SetEnvIf brokenvary 1 force-no-vary


#   # ----------------------------------------------------------------------
#   # Set Keep-Alive Header
#   # ----------------------------------------------------------------------


#   # Keep-Alive allows the server to send multiple requests through one
#   # TCP-connection. Be aware of possible disadvantages of this setting. Turn on
#   # if you serve a lot of static content.


#   # <IfModule mod_headers.c>
#   #   Header set Connection Keep-Alive
#   # </IfModule>


#   # ----------------------------------------------------------------------
#   # Cookie setting from iframes
#   # ----------------------------------------------------------------------


#   # Allow cookies to be set from iframes (for IE only)
#   # If needed, specify a path or regex in the Location directive.


   # <IfModule mod_headers.c>
#   ##   Header set P3P "policyref=\"/w3c/p3p.xml\", CP=\"IDC DSP COR ADM DEVi TAIi PSA PSD
#   # </IfModule>


#   # ----------------------------------------------------------------------
#   # Start rewrite engine
#   # ----------------------------------------------------------------------


#   # Turning on the rewrite engine is necessary for the following rules and
#   # features. FollowSymLinks must be enabled for this to work.


#   # Some cloud hosting services require RewriteBase to be set: goo.gl/HOcPN
#   # If using the h5bp in a subdirectory, use `RewriteBase /foo` instead where
```

```
#   # If using the Keep in a subdirectory, use `RewriteBase /foo` instead where
#   # 'foo' is your directory.

#   # If your web host doesn't allow the FollowSymlinks option, you may need to
#   # comment it out and use `Options +SymLinksOfOwnerMatch`, but be aware of the
#   # performance impact: http://goo.gl/Mluzd

#   <IfModule mod_rewrite.c>
#     Options +FollowSymlinks
#   # Options +SymLinksIfOwnerMatch
#     Options +FollowSymlinks
#     RewriteEngine On
#   # RewriteBase /
#   #</IfModule>

#   # ----------------------------------------------------------------------
#   # Suppress or force the "www." at the beginning of URLs
#   # ----------------------------------------------------------------------

#   # The same content should never be available under two different URLs -
#   # especially not with and without "www." at the beginning, since this can cause
#   # SEO problems (duplicate content). That's why you should choose one of the
#   # alternatives and redirect the other one.

#   # By default option 1 (no "www.") is activated.
#   # no-www.org/faq.php?q=class_b

#   # If you'd prefer to use option 2, just comment out all option 1 lines
#   # and uncomment option 2.

#   # IMPORTANT: NEVER USE BOTH RULES AT THE SAME TIME!

#   # ----------------------------------------------------------------------

#   # Option 1:
#   # Rewrite "www.example.com -> example.com".

#   <IfModule mod_rewrite.c>
#     RewriteCond %{HTTPS} !=on
#     RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
#     RewriteRule ^ http://%1%{REQUEST_URI} [R=301,L]
#   #</IfModule>
```

```
#  #</IfModule>

#  # -------------------------------------------------------------------------

#  # Option 2:
#  # Rewrite "example.com -> www.example.com".
#  # Be aware that the following rule might not be a good idea if you use "real"
#  # subdomains for certain parts of your website.

#  # <IfModule mod_rewrite.c>
#  #    RewriteCond %{HTTPS} !=on
#  #    RewriteCond %{HTTP_HOST} !^www\..+$ [NC]
#  #    RewriteRule ^ http://www.%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
#  # </IfModule>

#  # -------------------------------------------------------------------------
#  # Built-in filename-based cache busting
#  # -------------------------------------------------------------------------

#  # If you're not using the build script to manage your filename version revving,
#  # you might want to consider enabling this, which will route requests for
#  # /css/style.20110203.css to /css/style.css

#  # To understand why this is important and a better idea than all.css?v1231,
#  # read: github.com/h5bp/html5-boilerplate/wiki/cachebusting

#  # <IfModule mod_rewrite.c>
#  #    RewriteCond %{REQUEST_FILENAME} !-f
#  #    RewriteCond %{REQUEST_FILENAME} !-d
#  #    RewriteRule ^(.+)\.(\d+)\.(js|css|png|jpg|gif)$ $1.$3 [L]
#  # </IfModule>

#  # -------------------------------------------------------------------------
#  # Prevent SSL cert warnings
#  # -------------------------------------------------------------------------

#  # Rewrite secure requests properly to prevent SSL cert warnings, e.g. prevent
#  # https://www.example.com when your cert only allows https://secure.example.com

#  # <IfModule mod_rewrite.c>
#  #    RewriteCond %{SERVER_PORT} !^443
```

```
#   #   RewriteRule    https://example-domain-please-change-me.com%{REQUEST_URI} [R=301,L]
#   # </IfModule>


#   # ----------------------------------------------------------------------
#   # Prevent 404 errors for non-existing redirected folders
#   # ----------------------------------------------------------------------


#   # without -MultiViews, Apache will give a 404 for a rewrite if a folder of the
#   # same name does not exist.
#   # webmasterworld.com/apache/3808792.htm


#   Options -MultiViews


#   # ----------------------------------------------------------------------
#   # Custom 404 page
#   # ----------------------------------------------------------------------


#   # You can add custom pages to handle 500 or 403 pretty easily, if you like.
#   # If you are hosting your site in subdirectory, adjust this accordingly
#   #     e.g. ErrorDocument 404 /subdir/404.html
#   ErrorDocument 404 /404.html


#   # ----------------------------------------------------------------------
#   # UTF-8 encoding
#   # ----------------------------------------------------------------------


#   # Use UTF-8 encoding for anything served text/plain or text/html
#   AddDefaultCharset utf-8


#   # Force UTF-8 for a number of file formats
#   AddCharset utf-8 .atom .css .js .json .rss .vtt .xml


#   # ----------------------------------------------------------------------
#   # A little more security
#   # ----------------------------------------------------------------------


#   # To avoid displaying the exact version number of Apache being used, add the
#   # following to httpd.conf (it will not work in .htaccess):
#   # ServerTokens Prod


#   # "-Indexes" will have Apache block users from browsing folders without a
```

```
#   # default document Usually you should leave this activated, because you
#   # shouldn't allow everybody to surf through every folder on your server (which
#   # includes rather private places like CMS system folders).
#   <IfModule mod_autoindex.c>
#     Options -Indexes
#   #</IfModule>

#   # Block access to "hidden" directories or files whose names begin with a
#   # period. This includes directories used by version control systems such as
#   # Subversion or Git.
#   <IfModule mod_rewrite.c>
#     RewriteCond %{SCRIPT_FILENAME} -d [OR]
#     RewriteCond %{SCRIPT_FILENAME} -f
#     RewriteRule "(^|/)\." - [F]
#   #</IfModule>

#   # Block access to backup and source files. These files may be left by some
#   # text/html editors and pose a great security danger, when anyone can access
#   # them.
#   <FilesMatch "(\.(bak|config|sql|fla|psd|ini|log|sh|incl|swp|dist)|~)$">
#     Order allow,deny
#     Deny from all
#     Satisfy All
#   </FilesMatch>

#   # If your server is not already configured as such, the following directive
#   # should be uncommented in order to set PHP's register_globals option to OFF.
#   # This closes a major security hole that is abused by most XSS (cross-site
#   # scripting) attacks. For more information: http://php.net/register_globals
#
#   # IF REGISTER_GLOBALS DIRECTIVE CAUSES 500 INTERNAL SERVER ERRORS:
#
#   # Your server does not allow PHP directives to be set via .htaccess. In that
#   # case you must make this change in your php.ini file instead. If you are
#   # using a commercial web host, contact the administrators for assistance in
#   # doing this. Not all servers allow local php.ini files, and they should
#   # include all PHP configurations (not just this one), or you will effectively
#   # reset everything to PHP defaults. Consult www.php.net for more detailed
#   # information about setting PHP directives.

#   # php_flag register_globals Off
```

```
#   # Rename session cookie to something else, than PHPSESSID
#   # php_value session.name sid

#   ## Disable magic quotes (This feature has been DEPRECATED as of PHP 5.3.0 and REMOVED as
#   # php_flag magic_quotes_gpc Off

#   # Do not show you are using PHP
#   # Note: Move this line to php.ini since it won't work in .htaccess
#   # php_flag expose_php Off

#   # Level of log detail - log all errors
#   # php_value error_reporting -1

#   # Write errors to log file
#   # php_flag log_errors On

#   # Do not display errors in browser (production - Off, development - On)
#   # php_flag display_errors Off

#   # Do not display startup errors (production - Off, development - On)
#   # php_flag display_startup_errors Off

#   # Format errors in plain text
#   # Note: Leave this setting 'On' for xdebug's var_dump() output
#   # php_flag html_errors Off

#   # Show multiple occurrence of error
#   # php_flag ignore_repeated_errors Off

#   # Show same errors from different sources
#   # php_flag ignore_repeated_source Off

#   # Size limit for error messages
#   # php_value log_errors_max_len 1024

#   # Don't precede error with string (doesn't accept empty string, use whitespace if you nee
#   # php_value error_prepend_string " "

#   # Don't prepend to error (doesn't accept empty string, use whitespace if you need)
#   # php_value error_append_string " "
```

```
#   # Increase cookie security
#   <IfModule php5_module>
#     php_value session.cookie_httponly true
    </IfModule>
```