# 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 *ever*
  <FilesMatch "\.\(\(js\|css\|gif\|png\|jpe?g\|pdf\|xml\|ogg\|ogg\|mp4\|m4v\|webm\|svgl\|svgzl\|eot\|ttf\|otf\|woff\|ico\|webp\|appcache\|manifest\)\)"/>
  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
# 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|jpeg|jpg|svg|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|ttcl|otf|eot|woff|woff2|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)
"
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 safarientz
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/pushing-by
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^Accept-Encoding [\x15]+(\x15)+$ "gzip, deflate"
  HAVE_Accept-Encoding
      RequestHeader append Accept-Encoding "gzip, deflate" env=HAVE_Accept-Encoding
  </IfModule>
</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 $image/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/atom
 AddOutputFilterByType DEFLATE image/x-icon image/svg+xml application/vnd.ms-fontobject 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="/f3c/p3p.xml", CP="IDC DSP COR ADM DEV Ci TAIi PSA PSD IVAi"
</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/H0cPN
If using the h5bn 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 +SymLinksIfOwnerMatch`, but be aware of the
# performance impact: http://goo.gl/M1uzd

<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\.\S+$ [NC]
  RewriteRule ^ http://\1 [R=301,L]
</IfModule>
# force https

```c
<IfModule mod_rewrite.c>
    RewriteEngine On
    RewriteCond %{HTTPS} off
    RewriteRule (.*) https://%{HTTP_HOST}%{REQUEST_URI}
</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.

```c
<IfModule mod_rewrite.c>
    RewriteCond %{HTTPS} !on
    RewriteCond %{HTTP_HOST} !^www\..+$ [NC]
    RewriteRule ^ http://%{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?v123, read: github.com/h5bp/html5-boilerplate/wiki/cachebusting

```c
<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 of 7)
# 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 need)
# 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>