# 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 possil
# 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

###
### If you run a webserver other than apache, consider:
### github.com/paulirish/html5-boilerplate-server-configs
###
###
# 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|\.jpeg|\.pdf|\.xml|\.ogg|\.ogv|\.mp4|\.m4v|\.webm|\.svg|\.svgz|\.eot|\.ttf|\.otf|\.woff|\.woff2|\.ico|\.webp|\.appcache|\.manifest"
    Header unset X-UA-Compatible
  </FilesMatch>
</IfModule>

# Cross-domain AJAX requests
# #

# Serve cross-domain ajax requests, disabled.
# enable-cors.org
# code.google.com/p/browserhijack/o/Cross-Origin-Request-Header
# Include headers

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

# Webfont access

```
<FastaMatch "\.ttf\.ttc\.otf\.eot\.woff\.woff2\.font\.css$"/>
  <IfModule mod_headers.c>
    Header set Access-Control-Allow-Origin "*"
  </IfModule>
</FastaMatch>
```

# 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
```

# Audio

```
AddType audio/ogg oga ogg
AddType audio/mp4 m4a
```

# Video

```
AddType video/ogg ogv
AddType video/mp4 mp4 m4v
AddType video/webm webm
```

# SVG

```
```
# Required for svg webfonts on iPad
# twitter.com/FontSquirrel/status/1485840645
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/x-chrome-extension crx
AddType application/x-xpinstall xpi
AddType application/octet-stream safariextz
AddType text/x-vcard vcf

# 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 name your files in this way for this advantage or
# concatenate and minify them manually.
# Disabled by default.

<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-beyond-gzipping/
<IfModule mod_setenvif.c>
  <IfModule mod_headers.c>
    SetEnvIfNoCase ^Accept-Encoding X-cept-EncodingX(15)|"(15)|-{15})$ ^\{(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 $application/vnd.ms-fontobject
  FilterProvider COMPRESS DEFLATE resp=Content-Type $image/svg+xml
  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+xml
AddOutputFilterByType DEFLATE image/svg+xml application/vnd.ms-fontobject application/x-font
</IfModule>

</IfModule>

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

# These are pretty far-future expires headers
# They assume you control versioning with cachebusting query params like:
# <script src="application.js?20100608"></script>
# Additionally, consider that outdated proxies may miscache
#
# www.stevensouders.com/blog/2006/08/23/revving-filenames-dont-use-queryString/
#
# If you don't use filenames to version, lower the css and js to something like "access plus:
#
<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 (thx 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"

# RSS feed
ExpiresByType application/rss+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/jpg "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 font/truetype "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"
ExpiresByType text/javascript "access plus 1 year"

<IfModule mod_headers.c>
  Header append Cache-Control "public"
</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 tif images (see above)
# If needed, un-comment the following rules.

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

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

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

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

# <IfModule mod_headers.c>
#   <Location />
#     Header set P3P "policyref="/w3c/p3p.xml", CP="IDC DSP COR ADM DEVi TAIi PSA PSD IVi CNT""
#   </Location>
# </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.
<IfModule mod_rewrite.c>
  Options +FollowSymLinks
  RewriteEngine On
</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 a 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.
# Remember: Shorter URLs are sexier.
# no-www.org/faq.php?q=class_b
#
# If you rather want 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.domain.com -> domain.com"
#
<IfModule mod_rewrite.c>
  RewriteCond %{HTTPS} !on
  RewriteCond %{HTTP_HOST} ^www\.(.+)$ [NC]
  RewriteRule ^ http://\1 %{REQUEST_URI} [R=301,L]
</IfModule>
Options:

Option 2:

To rewrite "domain.com -> www.domain.com" uncomment the following lines.
Be aware that the following rule might not be a good idea if you use "real" subdomains for
website.

# <IfModule mod_rewrite.c>
#    RewriteCond %{HTTPS} != on
#    RewriteCond %{HTTP_HOST} !^www\..+$ [NC]
#    RewriteCond %{HTTP_HOST} (\.+)$ [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 use
# which will route requests for /css/all.20110203.css to /res/all.css
#
# To understand why this is important and a better idea than all.css?v1231, read:
# github.com/paulirish/html5-boilerplate/wiki/Version-Control-with-Cachebusting

# Uncomment to enable.
# <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.domain.com when your cert only allows https://secure.domain.com
# Uncomment the following lines to use this feature.
#
# <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 doesn't 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.
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 .html .css .js .xml .json .rss .atom
# A little more security
# ---------------------------------------------------

# Do we want to advertise the exact version number of Apache we're running? Probably not.
# This can only be enabled if used in 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 the server (which includes rather private places like CMS system folders).
#
# Options -Indexes

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

#
# If your server is not already configured as such, the following directive should be uncommented.
# register_globals option to OFF. This closes a major security hole that is abused by most XSS 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 set the php.ini file instead. If you are using a commercial web host, contact the administrators for all servers allow local php.ini files, and they should include all PHP configurations (not even the extension and directories 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 \$_SESSION
# php_value session.name sid

# 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
# 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>