```
# Use the front controller as index file. It serves as a fallback solution when
# every other rewrite/redirect fails (e.g. in an aliased environment without
# mod_rewrite). Additionally, this reduces the matching process for the
# start page (path "/") because otherwise Apache will apply the rewriting rules
# to each configured DirectoryIndex file (e.g. index.php, index.html, index.pl).
DirectoryIndex app.php

# By default, Apache does not evaluate symbolic links if you did not enable this
# feature in your server configuration. Uncomment the following line if you
# install assets as symlinks or if you experience problems related to symlinks
# when compiling LESS/Sass/CoffeeScript assets.
# Options FollowSymlinks

# Disabling MultiViews prevents unwanted negotiation, e.g. "/app" should not resolve
# to the front controller "/app.php" but be rewritten to "/app.php/app".
<IfModule mod_negotiation.c>
    Options -MultiViews
</IfModule>

<IfModule mod_rewrite.c>
    RewriteEngine On

    # Determine the RewriteBase automatically and set it as environment variable.
    # If you are using Apache aliases to do mass virtual hosting or installed the
    # project in a subdirectory, the base path will be prepended to allow proper
    # resolution of the app.php file and to redirect to the correct URI. It will
    # work in environments without path prefix as well, providing a safe, one-size
    # fits all solution. But as you do not need it in this case, you can comment
    # the following 2 lines to eliminate the overhead.
    RewriteCond %{REQUEST_URI}::$1 ^(/.+)/(.*)::\2$
    RewriteRule ^(.*) - [E=BASE:%1]

    # Sets the HTTP_AUTHORIZATION header removed by apache
    RewriteCond %{HTTP:Authorization} .
    RewriteRule .* - [E=HTTP_AUTHORIZATION:%{HTTP:Authorization}]

    # Redirect to URI without front controller to prevent duplicate content
    # (with and without `/app.php`). Only do this redirect on the initial
    # rewrite by Apache and not on subsequent cycles. Otherwise we would get an
    # endless redirect loop (request -> rewrite to front controller ->
    # redirect -> request -> ...).
```

```
    # redirect -> request -> ...).
    # So in case you get a "too many redirects" error or you always get redirected
    # to the start page because your Apache does not expose the REDIRECT_STATUS
    # environment variable, you have 2 choices:
    # - disable this feature by commenting the following 2 lines or
    # - use Apache >= 2.3.9 and replace all L flags by END flags and remove the
    #   following RewriteCond (best solution)
    RewriteCond %{ENV:REDIRECT_STATUS} ^$
    RewriteRule ^app\.php(/(.*)|$) %{ENV:BASE}/$2 [R=301,L]

    # If the requested filename exists, simply serve it.
    # We only want to let Apache serve files and not directories.
    RewriteCond %{REQUEST_FILENAME} -f
    RewriteRule .? - [L]

    # Rewrite all other queries to the front controller.
    RewriteRule .? %{ENV:BASE}/app.php [L]
</IfModule>

<IfModule !mod_rewrite.c>
    <IfModule mod_alias.c>
        # When mod_rewrite is not available, we instruct a temporary redirect of
        # the start page to the front controller explicitly so that the website
        # and the generated links can still be used.
        RedirectMatch 302 ^/$ /app.php/
        # RedirectTemp cannot be used instead
    </IfModule>
</IfModule>

# ----------------------------------------------------------------------
# | Document modes                                                     |
# ----------------------------------------------------------------------

# Force Internet Explorer 8/9/10 to render pages in the highest mode
# available in the various cases when it may not.
#
# https://hsivonen.fi/doctype/#ie8
#
# (!) Starting with Internet Explorer 11, document modes are deprecated.
# If your business still relies on older web apps and services that were
# designed for older versions of Internet Explorer, you might want to
```

```
# consider enabling  Enterprise Mode  throughout your company.
#
# https://msdn.microsoft.com/en-us/library/ie/bg182625.aspx#docmode
# http://blogs.msdn.com/b/ie/archive/2014/04/02/stay-up-to-date-with-enterprise-mode-for-
internet-explorer-11.aspx

<IfModule mod_headers.c>

    Header set X-UA-Compatible "IE=edge"

    # `mod_headers` cannot match based on the content-type, however,
    # the `X-UA-Compatible` response header should be send only for
    # HTML documents and not for the other resources.

    <FilesMatch "\.
(appcache|atom|bbaw|bmp|crx|css|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
g|js|json(ld)?
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
|swf|topojson|tt[cf]|txt|vcard|vcf|vtt|webapp|web[mp]|webmanifest|woff2?|xloc|xml|xpi)$">
        Header unset X-UA-Compatible
    </FilesMatch>

</IfModule>

# ######################################################################
# # MEDIA TYPES AND CHARACTER ENCODINGS                                #
# ######################################################################

# ----------------------------------------------------------------------
# | Media types                                                        |
# ----------------------------------------------------------------------

# Serve resources with the proper media types (f.k.a. MIME types).
#
# https://www.iana.org/assignments/media-types/media-types.xhtml
# https://httpd.apache.org/docs/current/mod/mod_mime.html#addtype

<IfModule mod_mime.c>

  # Data interchange
```

```
    AddType application/atom+xml                        atom
    AddType application/json                            json map topojson
    AddType application/ld+json                         jsonld
    AddType application/rss+xml                         rss
    AddType application/vnd.geo+json                    geojson
    AddType application/xml                             rdf xml

  # JavaScript

    # Normalize to standard type.
    # https://tools.ietf.org/html/rfc4329#section-7.2

    AddType application/javascript                      js

  # Manifest files

    AddType application/manifest+json                   webmanifest
    AddType application/x-web-app-manifest+json         webapp
    AddType text/cache-manifest                         appcache

  # Media files

    AddType audio/mp4                                   f4a f4b m4a
    AddType audio/ogg                                   oga ogg opus
    AddType image/bmp                                   bmp
    AddType image/svg+xml                               svg svgz
    AddType image/webp                                  webp
    AddType video/mp4                                   f4v f4p m4v mp4
    AddType video/ogg                                   ogv
    AddType video/webm                                  webm
    AddType video/x-flv                                 flv

    # Serving `.ico` image files with a different media type
    # prevents Internet Explorer from displaying them as images:
    # https://github.com/h5bp/html5-
boilerplate/commit/37b5fec090d00f38de64b591bcddcb205aadf8ee

    AddType image/x-icon                                cur ico

  # Web fonts
```

```
    AddType application/font-woff                       woff
    AddType application/font-woff2                      woff2
    AddType application/vnd.ms-fontobject               eot

    # Browsers usually ignore the font media types and simply sniff
    # the bytes to figure out the font type.
    # https://mimesniff.spec.whatwg.org/#matching-a-font-type-pattern
    #
    # However, Blink and WebKit based browsers will show a warning
    # in the console if the following font types are served with any
    # other media types.

    AddType application/x-font-ttf                      ttc ttf
    AddType font/opentype                               otf

  # Other

    AddType application/octet-stream                    safariextz
    AddType application/x-bb-appworld                   bbaw
    AddType application/x-chrome-extension              crx
    AddType application/x-opera-extension               oex
    AddType application/x-xpinstall                     xpi
    AddType text/vcard                                  vcard vcf
    AddType text/vnd.rim.location.xloc                  xloc
    AddType text/vtt                                    vtt
    AddType text/x-component                            htc

</IfModule>

# ----------------------------------------------------------------------
# | Character encodings                                                |
# ----------------------------------------------------------------------

# Serve all resources labeled as `text/html` or `text/plain`
# with the media type `charset` parameter set to `UTF-8`.
#
# https://httpd.apache.org/docs/current/mod/core.html#adddefaultcharset

AddDefaultCharset utf-8

# - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
# Serve the following file types with the media type `charset`
# parameter set to `UTF-8`.
#
# https://httpd.apache.org/docs/current/mod/mod_mime.html#addcharset

<IfModule mod_mime.c>
    AddCharset utf-8 .atom \
                     .bbaw \
                     .css \
                     .geojson \
                     .js \
                     .json \
                     .jsonld \
                     .manifest \
                     .rdf \
                     .rss \
                     .topojson \
                     .vtt \
                     .webapp \
                     .webmanifest \
                     .xloc \
                     .xml
</IfModule>

# ######################################################################
# # SECURITY                                                           #
# ######################################################################

# ----------------------------------------------------------------------
# | Clickjacking                                                       |
# ----------------------------------------------------------------------

# Protect website against clickjacking.
#
# The example below sends the `X-Frame-Options` response header with
# the value `DENY`, informing browsers not to display the content of
# the web page in any frame.
#
# This might not be the best setting for everyone. You should read
# about the other two possible values the `X-Frame-Options` header
```

```
# field can have: `SAMEORIGIN` and `ALLOW-FROM`.
# https://tools.ietf.org/html/rfc7034#section-2.1.
#
# Keep in mind that while you could send the `X-Frame-Options` header
# for all of your website's pages, this has the potential downside that
# it forbids even non-malicious framing of your content (e.g.: when
# users visit your website using a Google Image Search results page).
#
# Nonetheless, you should ensure that you send the `X-Frame-Options`
# header for all pages that allow a user to make a state changing
# operation (e.g: pages that contain one-click purchase links, checkout
# or bank-transfer confirmation pages, pages that make permanent
# configuration changes, etc.).
#
# Sending the `X-Frame-Options` header can also protect your website
# against more than just clickjacking attacks:
# https://cure53.de/xfo-clickjacking.pdf.
#
# https://tools.ietf.org/html/rfc7034
# http://blogs.msdn.com/b/ieinternals/archive/2010/03/30/combating-clickjacking-with-x-
frame-options.aspx
# https://www.owasp.org/index.php/Clickjacking

# <IfModule mod_headers.c>

#     Header set X-Frame-Options "DENY"

#     # `mod_headers` cannot match based on the content-type, however,
#     # the `X-Frame-Options` response header should be send only for
#     # HTML documents and not for the other resources.

#     <FilesMatch "\.
(appcache|atom|bbaw|bmp|crx|css|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
g|js|json(ld)?
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
|swf|topojson|tt[cf]|txt|vcard|vcf|vtt|webapp|web[mp]|webmanifest|woff2?|xloc|xml|xpi)$">
#         Header unset X-Frame-Options
#     </FilesMatch>

# </IfModule>
```

```
# ----------------------------------------------------------------------
# | Content Security Policy (CSP)                                      |
# ----------------------------------------------------------------------

# Mitigate the risk of cross-site scripting and other content-injection
# attacks.
#
# This can be done by setting a `Content Security Policy` which
# whitelists trusted sources of content for your website.
#
# The example header below allows ONLY scripts that are loaded from
# the current website's origin (no inline scripts, no CDN, etc).
# That almost certainly won't work as-is for your website!
#
# To make things easier, you can use an online CSP header generator
# such as: http://cspisawesome.com/.
#
# http://content-security-policy.com/
# http://www.html5rocks.com/en/tutorials/security/content-security-policy/
# https://w3c.github.io/webappsec-csp/

# <IfModule mod_headers.c>

#     Header set Content-Security-Policy "script-src 'self'; object-src 'self'"

#     # `mod_headers` cannot match based on the content-type, however,
#     # the `Content-Security-Policy` response header should be send
#     # only for HTML documents and not for the other resources.

#     <FilesMatch "\.
(appcache|atom|bbaw|bmp|crx|css|curl|eot|f4[abpv]|flv|geojson|gif|htc|ico|jpe?
g|js|json(ld)?
|m4[av]|manifest|map|mp4|oex|og[agv]|opus|otf|pdf|png|rdf|rss|safariextz|svgz?
|swf|topojson|tt[cf]|txt|vcard|vcf|vtt|webapp|web[mp]|webmanifest|woff2?|x[ml]|xml|xpi)$">
#         Header unset Content-Security-Policy
#     </FilesMatch>

# </IfModule>

# - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

```
# Block access to files that can expose sensitive information.
#
# By default, block access to backup and source files that may be
# left by some text editors and can pose a security risk when anyone
# has access to them.
#
# http://feross.org/cmsploit/
#
# (!) Update the `<FilesMatch>` regular expression from below to
# include any files that might end up on your production server and
# can expose sensitive information about your website.  These files may
# include: configuration files, files that contain metadata about the
# project (e.g.: project dependencies), build scripts, etc..

<FilesMatch "(^#.*#|\.(bak|conf|dist|fla|in[ci]|log|psd|sh|sql|sw[op])|~)$">

    # Apache < 2.3
    <IfModule !mod_authz_core.c>
        Order allow,deny
        Deny from all
        Satisfy All
    </IfModule>

    # Apache ≥ 2.3
    <IfModule mod_authz_core.c>
        Require all denied
    </IfModule>

</FilesMatch>

# ----------------------------------------------------------------------
# | Server-side technology information                                 |
# ----------------------------------------------------------------------

# Remove the `X-Powered-By` response header that:
#
#  * is set by some frameworks and server-side languages
#    (e.g.: ASP.NET, PHP), and its value contains information
#    about them (e.g.: their name, version number)
#
#  * doesn't provide any value to users, contributes to header
```

```
#   * doesn't provide any value to users, contributes to header
#     bloat, and in some cases, the information it provides can
#     expose vulnerabilities
#
# (!) If you can, you should disable the `X-Powered-By` header from the
# language / framework level (e.g.: for PHP, you can do that by setting
# `expose_php = off` in `php.ini`)
#
# https://php.net/manual/en/ini.core.php#ini.expose-php

<IfModule mod_headers.c>
    Header unset X-Powered-By
</IfModule>

# ----------------------------------------------------------------------
# | Server software information                                        |
# ----------------------------------------------------------------------

# Prevent Apache from adding a trailing footer line containing
# information about the server to the server-generated documents
# (e.g.: error messages, directory listings, etc.)
#
# https://httpd.apache.org/docs/current/mod/core.html#serversignature

ServerSignature Off

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

# Prevent Apache from sending in the `Server` response header its
# exact version number, the description of the generic OS-type or
# information about its compiled-in modules.
#
# (!) The `ServerTokens` directive will only work in the main server
# configuration file, so don't try to enable it in the `.htaccess` file!
#
# https://httpd.apache.org/docs/current/mod/core.html#servertokens

#ServerTokens Prod

# ######################################################################
# # WEB PERFORMANCE                                                    #
# ######################################################################
```

```
# ######################################################################

# ----------------------------------------------------------------------
# | Compression                                                        |
# ----------------------------------------------------------------------

<IfModule mod_deflate.c>

    # Force compression for mangled `Accept-Encoding` request headers
    # https://developer.yahoo.com/blogs/ydn/pushing-beyond-gzipping-25601.html

    <IfModule mod_setenvif.c>
        <IfModule mod_headers.c>
            SetEnvIfNoCase ^(Accept-EncodXng|X-cept-Encoding|X{15}|~{15}|-{15})$
^((gzip|deflate)\s*,?\s*)+|[X~-]{4,13}$ HAVE_Accept-Encoding
            RequestHeader append Accept-Encoding "gzip,deflate" env=HAVE_Accept-Encoding
        </IfModule>
    </IfModule>

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

    # Compress all output labeled with one of the following media types.
    #
    # (!) For Apache versions below version 2.3.7 you don't need to
    # enable `mod_filter` and can remove the `<IfModule mod_filter.c>`
    # and `</IfModule>` lines as `AddOutputFilterByType` is still in
    # the core directives.
    #
    # https://httpd.apache.org/docs/current/mod/mod_filter.html#addoutputfilterbytype

    <IfModule mod_filter.c>
        AddOutputFilterByType DEFLATE "application/atom+xml" \
                                      "application/javascript" \
                                      "application/json" \
                                      "application/ld+json" \
                                      "application/manifest+json" \
                                      "application/rdf+xml" \
                                      "application/rss+xml" \
                                      "application/schema+json" \
                                      "application/vnd.geo+json" \
                                      "application/vnd.ms-fontobject" \
```

```
                                   "application/x-font-ttf" \
                                   "application/x-javascript" \
                                   "application/x-web-app-manifest+json" \
                                   "application/xhtml+xml" \
                                   "application/xml" \
                                   "font/eot" \
                                   "font/opentype" \
                                   "image/bmp" \
                                   "image/svg+xml" \
                                   "image/vnd.microsoft.icon" \
                                   "image/x-icon" \
                                   "text/cache-manifest" \
                                   "text/css" \
                                   "text/html" \
                                   "text/javascript" \
                                   "text/plain" \
                                   "text/vcard" \
                                   "text/vnd.rim.location.xloc" \
                                   "text/vtt" \
                                   "text/x-component" \
                                   "text/x-cross-domain-policy" \
                                   "text/xml"

</IfModule>

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

# Map the following filename extensions to the specified
# encoding type in order to make Apache serve the file types
# with the appropriate `Content-Encoding` response header
# (do note that this will NOT make Apache compress them!).
#
# If these files types would be served without an appropriate
# `Content-Enable` response header, client applications (e.g.:
# browsers) wouldn't know that they first need to uncompress
# the response, and thus, wouldn't be able to understand the
# content.
#
# https://httpd.apache.org/docs/current/mod/mod_mime.html#addencoding

<IfModule mod_mime.c>
```

```
        AddEncoding gzip              svgz
    </IfModule>

</IfModule>

# ----------------------------------------------------------------------
# | Content transformation                                             |
# ----------------------------------------------------------------------

# Prevent intermediate caches or proxies (e.g.: such as the ones
# used by mobile network providers) from modifying the website's
# content.
#
# https://tools.ietf.org/html/rfc2616#section-14.9.5
#
# (!) If you are using `mod_pagespeed`, please note that setting
# the `Cache-Control: no-transform` response header will prevent
# `PageSpeed` from rewriting `HTML` files, and, if the
# `ModPagespeedDisableRewriteOnNoTransform` directive isn't set
# to `off`, also from rewriting other resources.
#
# https://developers.google.com/speed/pagespeed/module/configuration#notransform

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

# ----------------------------------------------------------------------
# | ETags                                                              |
# ----------------------------------------------------------------------

# Remove `ETags` as resources are sent with far-future expires headers.
#
# https://developer.yahoo.com/performance/rules.html#etags
# https://tools.ietf.org/html/rfc7232#section-2.3

# `FileETag None` doesn't work in all cases.
<IfModule mod_headers.c>
    Header unset ETag
</IfModule>
```

```
FileETag None

# ----------------------------------------------------------------------
# | Expires headers                                                    |
# ----------------------------------------------------------------------

# Serve resources with far-future expires headers.
#
# (!) If you don't control versioning with filename-based
# cache busting, you should consider lowering the cache times
# to something like one week.
#
# https://httpd.apache.org/docs/current/mod/mod_expires.html

<IfModule mod_expires.c>

    ExpiresActive on
    ExpiresDefault                                "access plus 1 month"

  # CSS

    ExpiresByType text/css                        "access plus 1 year"

  # Data interchange

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

    ExpiresByType application/json                "access plus 0 seconds"
    ExpiresByType application/ld+json             "access plus 0 seconds"
    ExpiresByType application/schema+json         "access plus 0 seconds"
    ExpiresByType application/vnd.geo+json        "access plus 0 seconds"
    ExpiresByType application/xml                 "access plus 0 seconds"
    ExpiresByType text/xml                        "access plus 0 seconds"

  # Favicon (cannot be renamed!) and cursor images

    ExpiresByType image/vnd.microsoft.icon        "access plus 1 week"
    ExpiresByType image/x-icon                    "access plus 1 week"
```

```
# HTML

  ExpiresByType text/html                                 "access plus 0 seconds"

# JavaScript

  ExpiresByType application/javascript                    "access plus 1 year"
  ExpiresByType application/x-javascript                  "access plus 1 year"
  ExpiresByType text/javascript                           "access plus 1 year"

# Manifest files

  ExpiresByType application/manifest+json                 "access plus 1 week"
  ExpiresByType application/x-web-app-manifest+json       "access plus 0 seconds"
  ExpiresByType text/cache-manifest                       "access plus 0 seconds"

# Media files

  ExpiresByType audio/ogg                                 "access plus 1 month"
  ExpiresByType image/bmp                                 "access plus 1 month"
  ExpiresByType image/gif                                 "access plus 1 month"
  ExpiresByType image/jpeg                                "access plus 1 month"
  ExpiresByType image/png                                 "access plus 1 month"
  ExpiresByType image/svg+xml                             "access plus 1 month"
  ExpiresByType image/webp                                "access plus 1 month"
  ExpiresByType video/mp4                                 "access plus 1 month"
  ExpiresByType video/ogg                                 "access plus 1 month"
  ExpiresByType video/webm                                "access plus 1 month"

# Web fonts

  # Embedded OpenType (EOT)
  ExpiresByType application/vnd.ms-fontobject             "access plus 1 month"
  ExpiresByType font/eot                                  "access plus 1 month"

  # OpenType
  ExpiresByType font/opentype                             "access plus 1 month"

  # TrueType
  ExpiresByType application/x-font-ttf                    "access plus 1 month"
```

```
    # Web Open Font Format (WOFF) 1.0
    ExpiresByType application/font-woff                 "access plus 1 month"
    ExpiresByType application/x-font-woff               "access plus 1 month"
    ExpiresByType font/woff                             "access plus 1 month"

    # Web Open Font Format (WOFF) 2.0
    ExpiresByType application/font-woff2                "access plus 1 month"

  # Other

    ExpiresByType text/x-cross-domain-policy            "access plus 1 week"

</IfModule>
```