

The Perl and Raku Conference 2025: Greenville, South Carolina - June 27-29 [Learn more](#)

SRI / Mojolicious-7.28 / lib / Mojolicious / Command / generate / app.pm

```

1  package Mojolicious::Command::generate::app;
2  use Mojo::Base 'Mojolicious::Command';
3
4  use Mojo::Util qw(class_to_file class_to_path);
5
6  has description => 'Generate Mojolicious application directory structure';
7  has usage => sub { shift->extract_usage };
8
9  sub run {
10     my ($self, $class) = @_;
11     $class ||= 'MyApp';
12
13     # Prevent bad applications
14     die <<EOF unless $class =~ /^[A-Z](?:\w|:)+$/;
15     Your application name has to be a well formed (CamelCase) Perl module name
16     like "MyApp".
17     EOF
18
19     # Script
20     my $name = class_to_file $class;
21     $self->render_to_rel_file('mojo', "$name/script/$name", $class);
22     $self->chmod_rel_file("$name/script/$name", 0744);
23
24     # Application class
25     my $app = class_to_path $class;
26     $self->render_to_rel_file('appclass', "$name/lib/$app", $class);
27
28     # Config file
29     $self->render_to_rel_file('config', "$name/$name.conf");
30
31     # Controller
32     my $controller = "${class}::Controller::Example";
33     my $path = class_to_path $controller;
34     $self->render_to_rel_file('controller', "$name/lib/$path", $controller);
35
36     # Test
37     $self->render_to_rel_file('test', "$name/t/basic.t", $class);
38
39     # Static file
40     $self->render_to_rel_file('static', "$name/public/index.html");
41
42     # Templates
43     $self->render_to_rel_file('layout',
44         "$name/templates/layouts/default.html.ep");
45     $self->render_to_rel_file('welcome',
46         "$name/templates/example/welcome.html.ep");
47 }
48
49 1;

```

— Show 63 lines of Pod

```

113  __DATA__
114
115  @@ mojo
116  % my $class = shift;
117  #!/usr/bin/env perl
118
119  use strict;
120  use warnings;
121
122  use FindBin;

```

```

124 BEGIN { unshift @INC, "$FindBin::Bin/../../lib" }
125 use Mojolicious::Commands;
126
127 # Start command line interface for application
128 Mojolicious::Commands->start_app('<%= $class %>');
129
130 @@ appclass
131 % my $class = shift;
132 package <%= $class %>;
133 use Mojo::Base 'Mojolicious';
134
135 # This method will run once at server start
136 sub startup {
137     my $self = shift;
138
139     # Load configuration from hash returned by "my_app.conf"
140     my $config = $self->plugin('Config');
141
142     # Documentation browser under "/perldoc"
143     $self->plugin('PODRenderer') if $config->{perldoc};
144
145     # Router
146     my $r = $self->routes;
147
148     # Normal route to controller
149     $r->get('/')->to('example#welcome');
150 }
151
152 1;
153
154 @@ controller
155 % my $class = shift;
156 package <%= $class %>;
157 use Mojo::Base 'Mojolicious::Controller';
158
159 # This action will render a template
160 sub welcome {
161     my $self = shift;
162
163     # Render template "example/welcome.html.ep" with message
164     $self->render(msg => 'Welcome to the Mojolicious real-time web framework!');
165 }
166
167 1;
168
169 @@ static
170 <!DOCTYPE html>
171 <html>
172     <head>
173         <title>Welcome to the Mojolicious real-time web framework!</title>
174     </head>
175     <body>
176         <h2>Welcome to the Mojolicious real-time web framework!</h2>
177         This is the static document "public/index.html",
178         <a href="/">click here</a> to get back to the start.
179     </body>
180 </html>
181
182 @@ test
183 % my $class = shift;
184 use Mojo::Base -strict;
185

```

```
186 use Test::More;
187 use Test::Mojo ();
188
189 my $t = Test::Mojo->new('<%= $class %>');
190 $t->get_ok('/')->status_is(200)->content_like(qr/Mojolicious/i);
191
192 done_testing();
193
194 @@ layout
195 <!DOCTYPE html>
196 <html>
197     <head><title><%= title %></title></head>
198     <body><%= content %></body>
199 </html>
200
201 @@ welcome
202 %% layout 'default';
203 %% title 'Welcome';
204 <h2><%= $msg %></h2>
205 <p>
206     This page was generated from the template "templates/example/welcome.html.ep"
207     and the layout "templates/layouts/default.html.ep",
208     <%= link_to 'click here' => url_for %> to reload the page or
209     <%= link_to 'here' => '/index.html' %> to move forward to a static page.
210     %% if (config 'perldoc') {
211         To learn more, you can also browse through the documentation
212         <%= link_to 'here' => '/perldoc' %>.
213     %% }
214 </p>
215
216 @@ config
217 % use Mojo::Util qw(sha1_sum steady_time);
218 {
219     perldoc => 1,
220     secrets => ['<%= sha1_sum $$ . steady_time . rand %>']
221 }
```