web development can be fun again.

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Perl
rocks

mojolicious

A next generation web framework for the Perl programming language.

Back in the early days of the web, many people learned Perl because of a wonderful Perl library called CGI. It was simple enough to get started without knowing much about the language and powerful enough to keep you going, learning by doing was much fun. While most of the techniques used are outdated now, the idea behind it is not. Mojolicious is a new endeavor to implement this idea using bleeding edge technologies.

Features

- An amazing **real-time web framework**, allowing you to easily grow single file prototypes into well-structured MVC web applications.
  - Powerful out of the box with RESTful routes, plugins, commands, Perl-ish templates, content negotiation, session management, form validation, testing framework, static file server, CGI/PSGI detection, first class Unicode support and much more for you to discover.
- A powerful **web development toolkit**, that you can use for all kinds of applications, independently of the web framework.
  - Full stack HTTP and WebSocket client/server implementation with IPv6, TLS, SNI, IDNA, HTTP/SOCKS5 proxy, Comet (long polling), keep-alive, connection pooling, timeout, cookie, multipart and gzip compression support.
  - Built-in non-blocking I/O web server, supporting multiple event loops as well as optional pre-forking and hot deployment, perfect for building highly scalable web services.

- JSON and HTML/XML parser with CSS selector support.
  - Very clean, portable and object-oriented pure-Perl API with no hidden magic and no requirements besides Perl 5.22.0 (versions as old as 5.10.1 can be used too, but may require additional CPAN modules to be installed)
  - Fresh code based upon years of experience developing Catalyst, free and open source.

Installation

All you need is a one-liner, it takes less than a minute.

```
$ curl -L https://cpanmin.us | perl - -M
https://cpan.metacpan.org -n Mojolicious
```

We recommend the use of a Perlbrew environment.

Getting Started

These three lines are a whole web application.

```perl
use Mojolicious::Lite;

get '/' => {text => 'I ♥ Mojolicious!'};

app->start;
```

To run this example with the built-in development web server just put the code into a file and start it with `morbo`.

```
$ morbo hello.pl
Server available at http://127.0.0.1:3000

$ curl http://127.0.0.1:3000/
I ♥ Mojolicious!
```

Duct tape for the HTML5 web

Use all the latest Perl and HTML features in beautiful single file prototypes like this one, and grow them easily into well-structured applications.

```perl
use Mojolicious::Lite;
use 5.20.0;
use experimental 'signatures';

# Render template "index.html.ep" from the DATA section
```

```
get '/' => {template => 'index'};

# WebSocket service used by the template to extract the title from a web
site
websocket '/title' => sub ($c) {
  $c->on(message => sub ($c, $msg) {
    my $title = $c->ua->get($msg)->result->dom->at('title')->text;
    $c->send($title);
  });
};

app->start;
__DATA__

@@ index.html.ep
% my $url = url_for 'title';
<script>
  var ws = new WebSocket('<%= $url->to_abs %>');
  ws.onmessage = function (event) { document.body.innerHTML += event.data
};
  ws.onopen    = function (event) { ws.send('http://mojolicious.org') };
</script>
```

Want to know more?

Take a look at our excellent documentation!

mojolicious