Reddit::Cache

October 2015

redis

redis

reddit

redis

≠

reddit

“Haskell”

“Haskell” “Pascal”

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```
fib = 0 : 1 : zipWith (+) fib (tail fib)
```

“Pascal”

```
program Fibonacci;
var
   Fibonacci1, Fibonacci2 : integer;
   temp : integer;
   count : integer;
begin    (* Main *)
   writeln ('First ten Fibonacci numbers are:');
   count := 0;
   Fibonacci1 := 0;
   Fibonacci2 := 1;
   repeat
      write (Fibonacci2:7);
      temp := Fibonacci2;
      Fibonacci2 := Fibonacci1 + Fibonacci2;
      Fibonacci1 := Temp;
      count := count + 1
   until count = 10;
   writeln;
end.
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The Cache Namespace on CPAN

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use Cache::File;
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my $key  = set($data);
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my $key  = set($data);

my $data = get($key);
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The Cache Namespace on CPAN

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use Cache::File;

my $key  = set($data);

my $data = get($key);

my $bool = remove($key);
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The Cache Namespace on CPAN

`Cache::File`

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`Cache::DBI`

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`Cache::Redis`

The Cache Namespace on CPAN

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Cache::File
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Cache::Redis
Cache::Reddit
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Cache::Reddit

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```

Cache::Reddit

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- Unreliable

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- Slow

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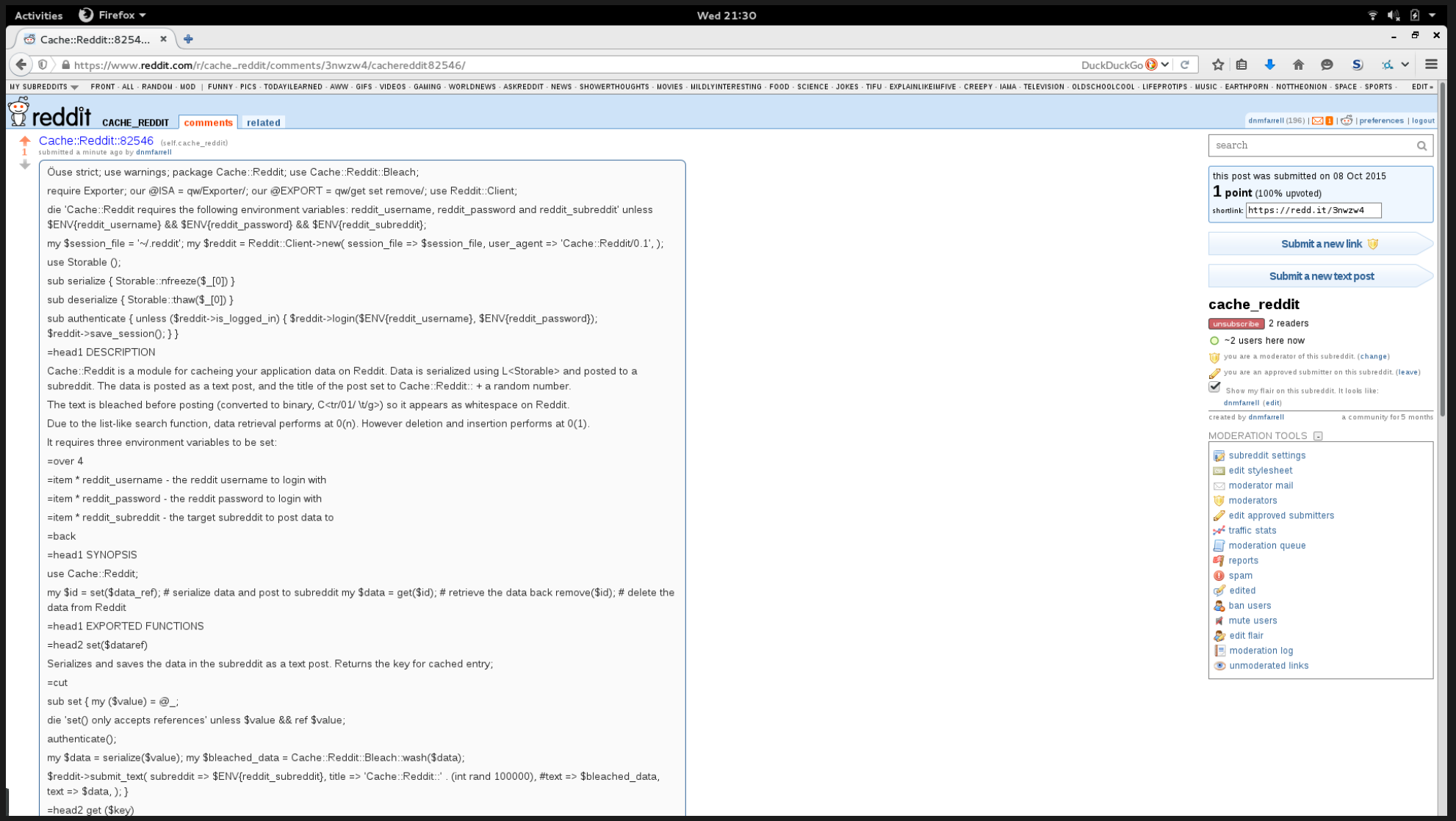
Activities
Firefox
Wed 21:30
Cache::Reddit::8254...
https://www.reddit.com/r/cache_reddit/comments/3nwzw4/cachereddit82546/
DuckDuckGo
MY SUBREDDITS
FRONT · ALL · RANDOM · MOD | FUNNY · PICS · TODAYILEARNED · AWW · GIFS · VIDEOS · GAMING · WORLDNEWS · ASKREDDIT · NEWS · SHOWERTHOUGHTS · MOVIES · MILDLYINTERESTING · FOOD · SCIENCE · JOKES · TIFU · EXPLAINLIKEIMFIVE · CREEPY · IAMA · TELEVISION · OLDSCHOOLCOOL · LIFEPROTIPS · MUSIC · EARTHPORN · NOTTHEONION · SPACE · SPORTS · EDIT »
reddit
CACHE_REDDIT
comments
related
dnmfarrell (196) | 1 | preferences | logout
Cache::Reddit::82546 (self.cache_reddit)
submitted a minute ago by dnmfarrell
Öuse strict; use warnings; package Cache::Reddit; use Cache::Reddit::Bleach;
require Exporter; our @ISA = qw/Exporter/; our @EXPORT = qw/get set remove/; use Reddit::Client;
die 'Cache::Reddit requires the following environment variables: reddit_username, reddit_password and reddit_subreddit' unless $ENV{reddit_username} && $ENV{reddit_password} && $ENV{reddit_subreddit};
my $session_file = '~/.reddit'; my $reddit = Reddit::Client->new(session_file => $session_file, user_agent => 'Cache::Reddit/0.1',);
use Storable ();
sub serialize { Storable::nfreeze($_[0]) }
sub deserialize { Storable::thaw($_[0]) }
sub authenticate { unless ($reddit->is_logged_in) { $reddit->login($ENV{reddit_username}, $ENV{reddit_password}); $reddit->save_session(); } }
=head1 DESCRIPTION
Cache::Reddit is a module for cacheing your application data on Reddit. Data is serialized using L<Storable> and posted to a subreddit. The data is posted as a text post, and the title of the post set to Cache::Reddit:: + a random number.
The text is bleached before posting (converted to binary, C<tr/01/ \t/g>) so it appears as whitespace on Reddit.
Due to the list-like search function, data retrieval performs at 0(n). However deletion and insertion performs at 0(1).
It requires three environment variables to be set:
=over 4
=item * reddit_username - the reddit username to login with
=item * reddit_password - the reddit password to login with
=item * reddit_subreddit - the target subreddit to post data to
=back
=head1 SYNOPSIS
use Cache::Reddit;
my $id = set($data_ref); # serialize data and post to subreddit my $data = get($id); # retrieve the data back remove($id); # delete the data from Reddit
=head1 EXPORTED FUNCTIONS
=head2 set($dataref)
Serializes and saves the data in the subreddit as a text post. Returns the key for cached entry;
=cut
sub set { my ($value) = @_;
die 'set() only accepts references' unless $value && ref $value;
authenticate();
my $data = serialize($value); my $bleached_data = Cache::Reddit::Bleach::wash($data);
$reddit->submit_text(subreddit => $ENV{reddit_subreddit}, title => 'Cache::Reddit::' . (int rand 100000), #text => $bleached_data, text => $data,); }
=head2 get ($key)
search
this post was submitted on 08 Oct 2015
1 point (100% upvoted)
shortlink: https://redd.it/3nwzw4
Submit a new link
Submit a new text post
cache_reddit
unsubscribe 2 readers
~2 users here now
you are a moderator of this subreddit. (change)
you are an approved submitter on this subreddit. (leave)
Show my flair on this subreddit. It looks like:
dnmfarrell (edit)
created by dnmfarrell
a community for 5 months
MODERATION TOOLS
subreddit settings
edit stylesheet
moderator mail
moderators
edit approved submitters
traffic stats
moderation queue
reports
spam
edited
ban users
mute users
edit flair
moderation log
unmoderated links

Bleaching Algorithm

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→ Data

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→ Data

→ “Data”

Bleaching Algorithm

→ Data

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→ 00100110100001100010111010000110

Bleaching Algorithm

→ Data

→ “Data”

→ 00100110100001100010111010000110

→ tr/01/ \t/

Bleaching Algorithm

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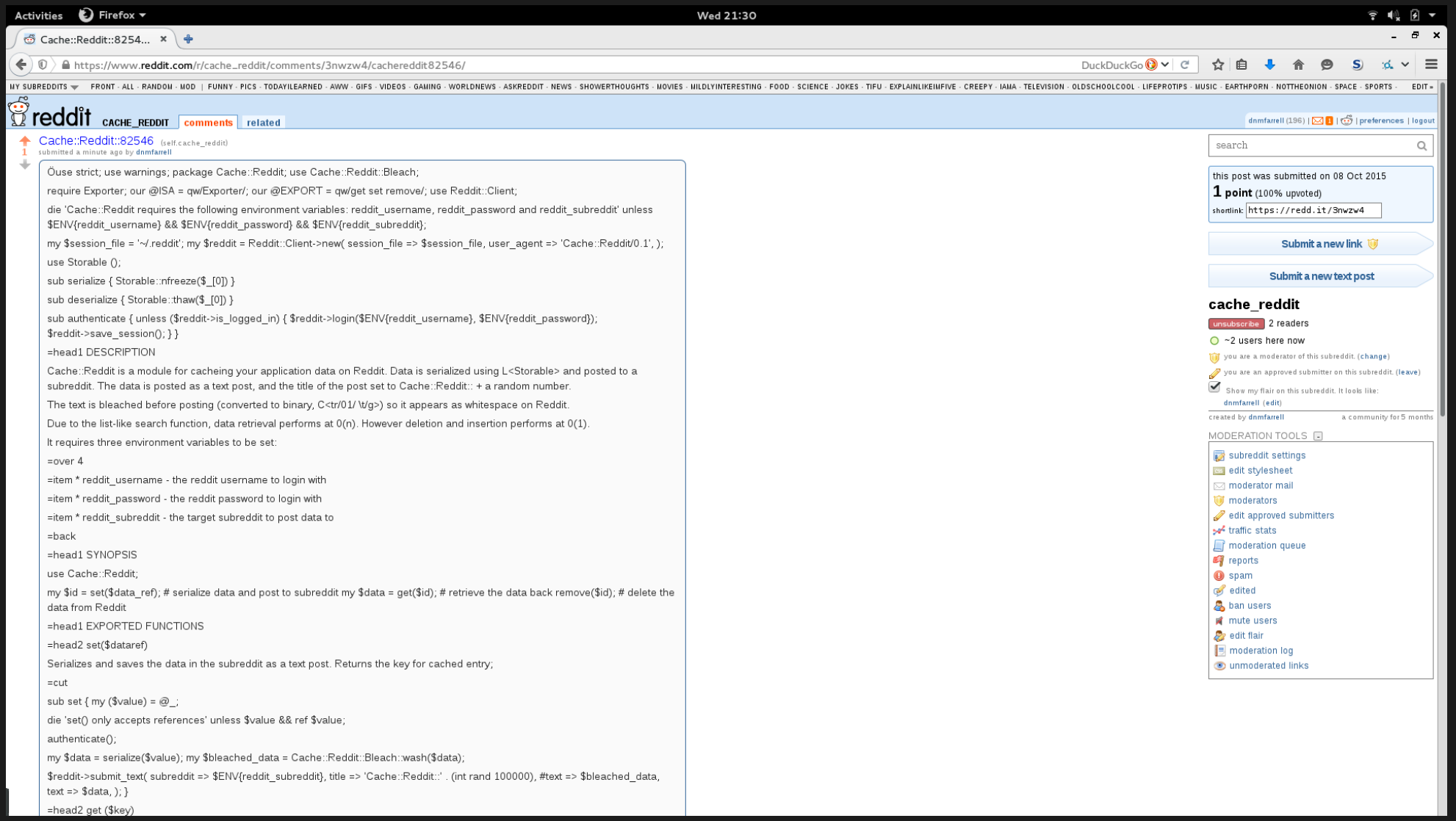
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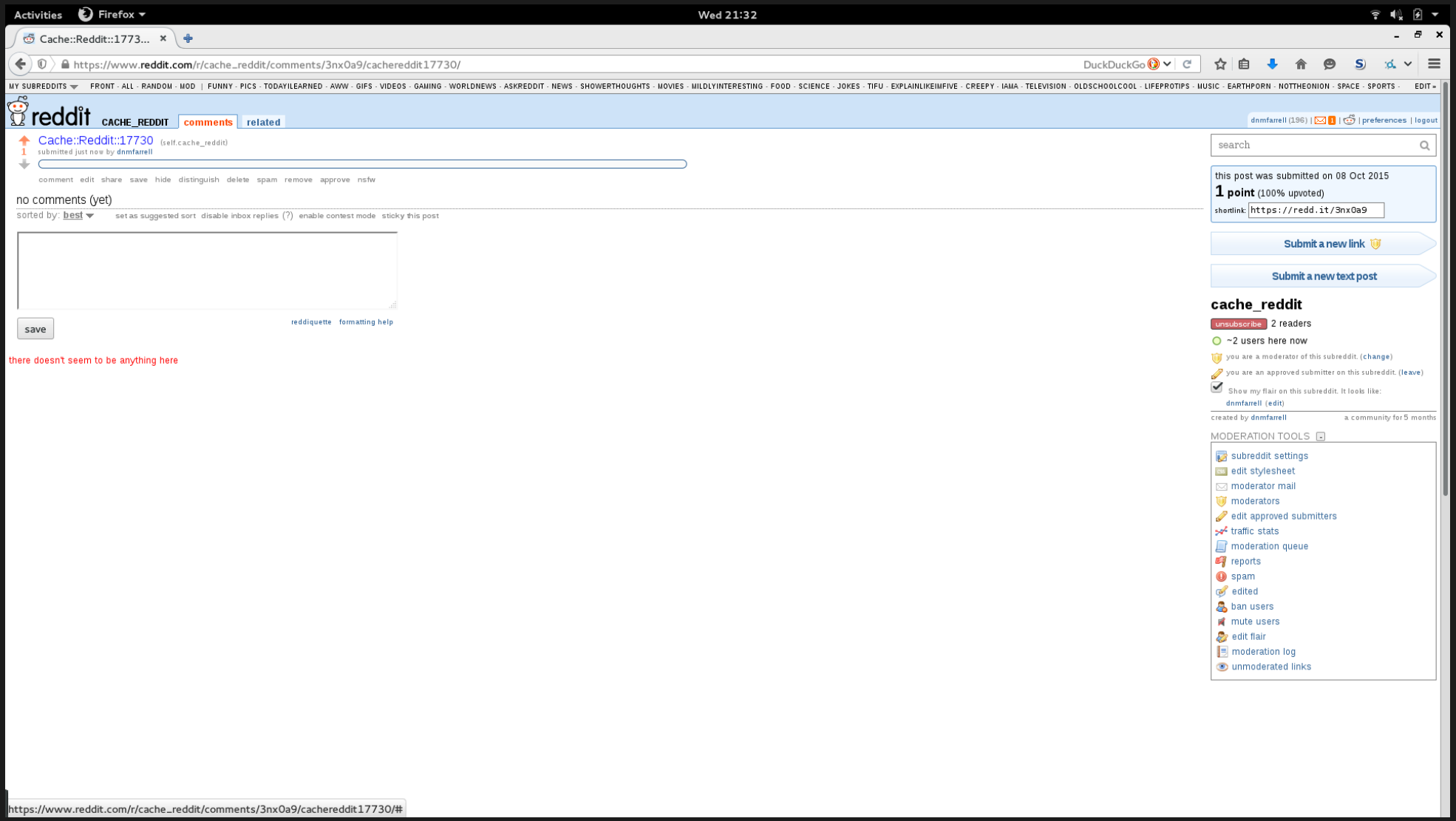
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Cache::Reddit::17730 (self.cache_reddit)
submitted just now by dnmfarrell
comment edit share save hide distinguish delete spam remove approve nsfw
no comments (yet)
sorted by: best
set as suggested sort disable inbox replies (?) enable contest mode sticky this post
save
reddiquette formatting help
there doesn't seem to be anything here
search
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edit flair
moderation log
unmoderated links
https://www.reddit.com/r/cache_reddit/comments/3nx0a9/cachereddit17730/#

github.com/dnmfarrell/Cache-Reddit