MighTyV.com

See how Perl, Catalyst and CPAN made it easy for two people to build an award-winning website in four weeks.

Who are we?

Leo Lapworth

↓

Léon Brocard

↓

What is MighTyV?

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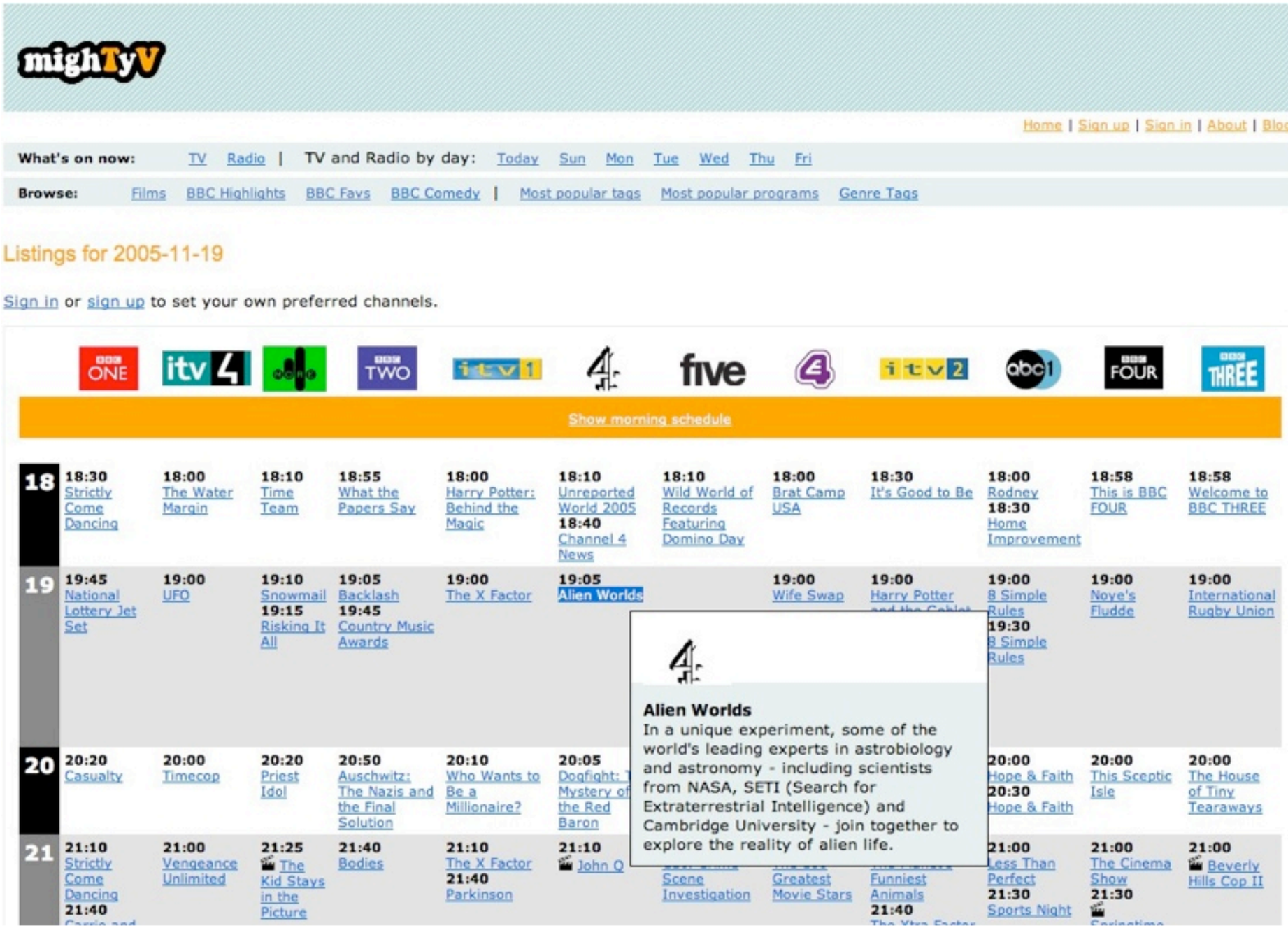


How did it start?

It almost didn’t

Monday 25th July

BBC Announce the BBC Backstage competition

Deadline 5th of September

July/Aug

Leon and Leo
have a life

So not entering
competition

Okay, so Leon
did TV::Anytime

Wednesday 31st Aug

BBC Announce extension to competition

New deadline 3rd Oct

We start coding in Braga

What was our aim?

Usable

Personal

Integrate

Feeds

Win

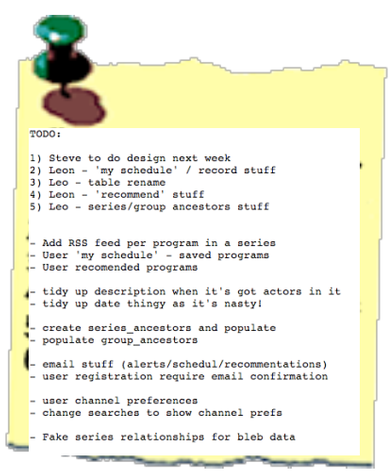
Sunday 4th Sept

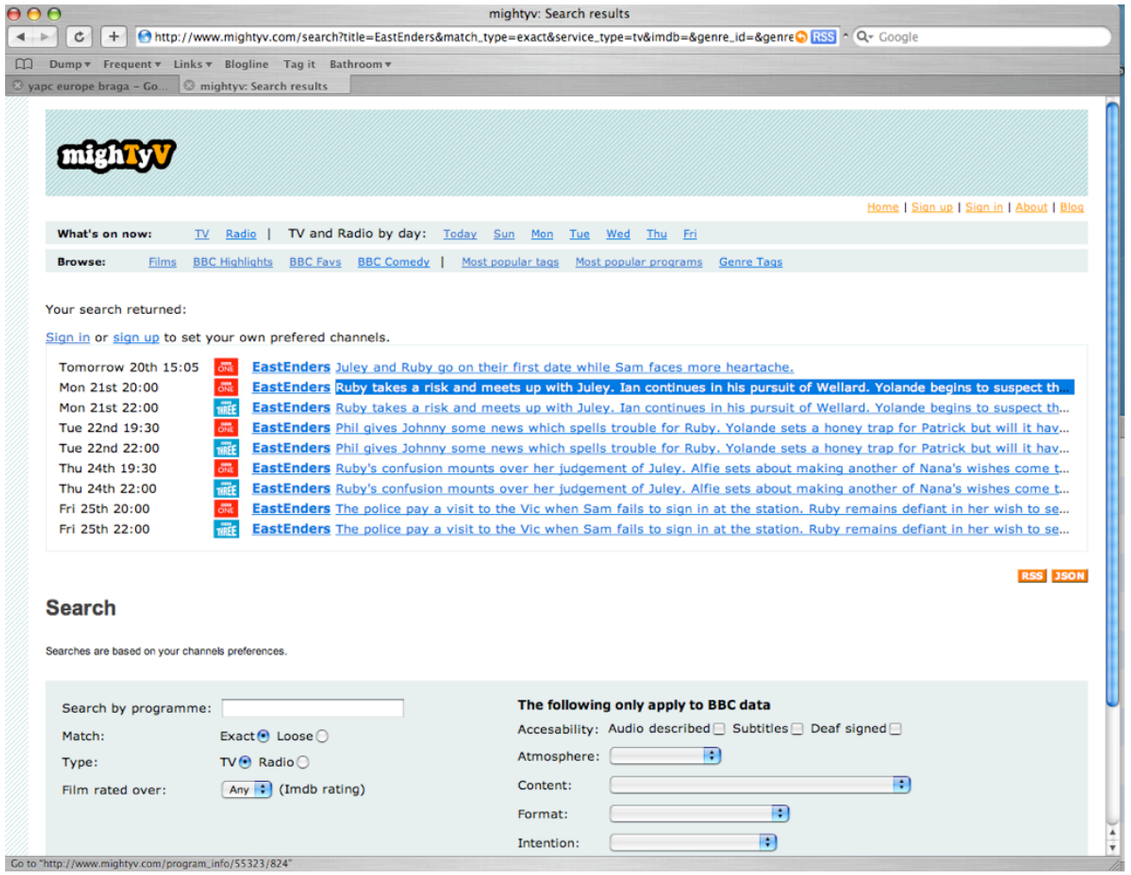
First import of BBC & Bleb data (Class::DBI)

Catalyst

Basic search

To-do list





Creating a Catalyst project

```
> perl -MCPAN -e 'install Bundle::Catalyst'
> catalyst.pl Braga
> cd Braga
> ./script/braga_server.pl
```

You now have a running Catalyst server

Check into version control system (svk)

Wednesday 7th Sept

User system

use Catalyst::Plugin::Authentication::CDBI

Saturday 10th Sept

IMDB ratings and link

‘what’s on now’ search

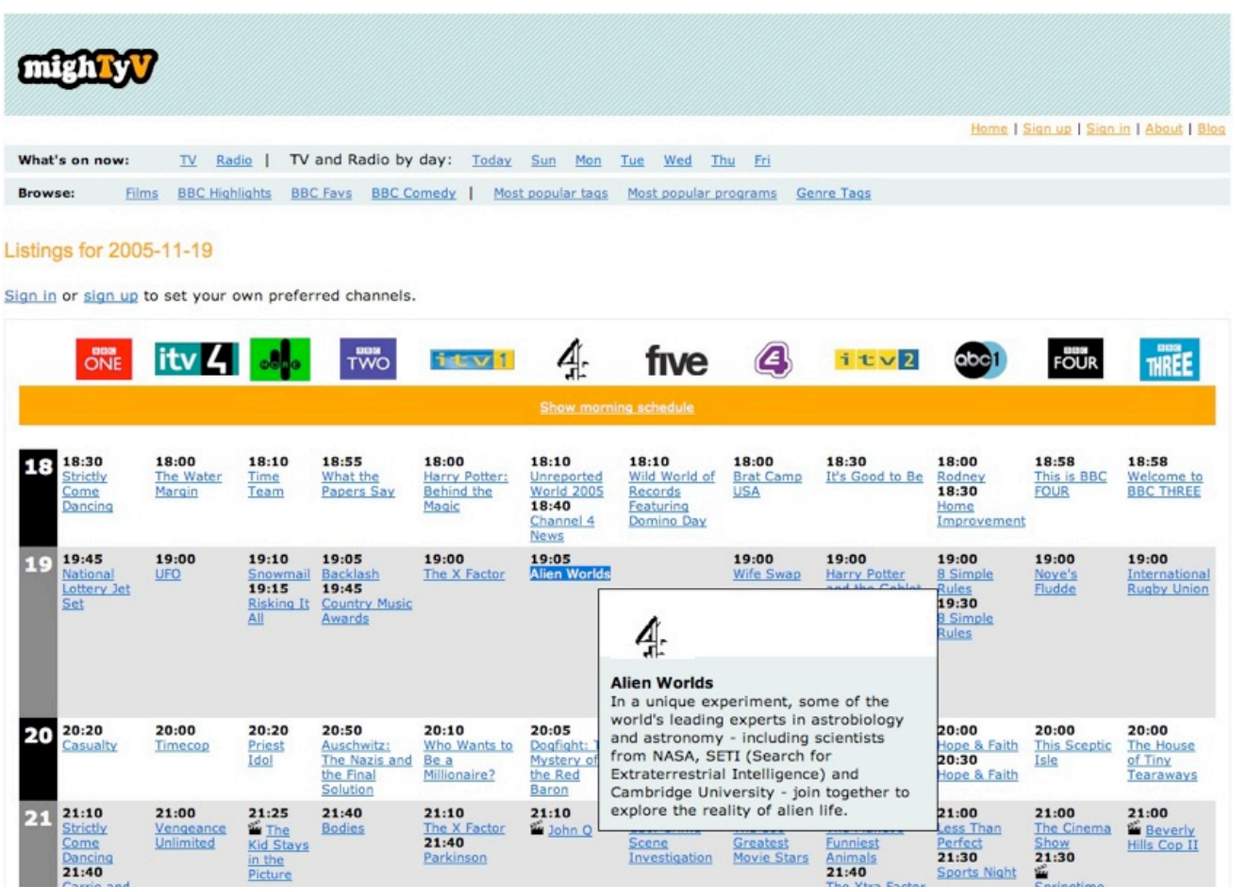
‘films this week’ search

RSS (XML::RSS)

Wednesday 14th Sept

Add channel logos (Image::Imlib2)

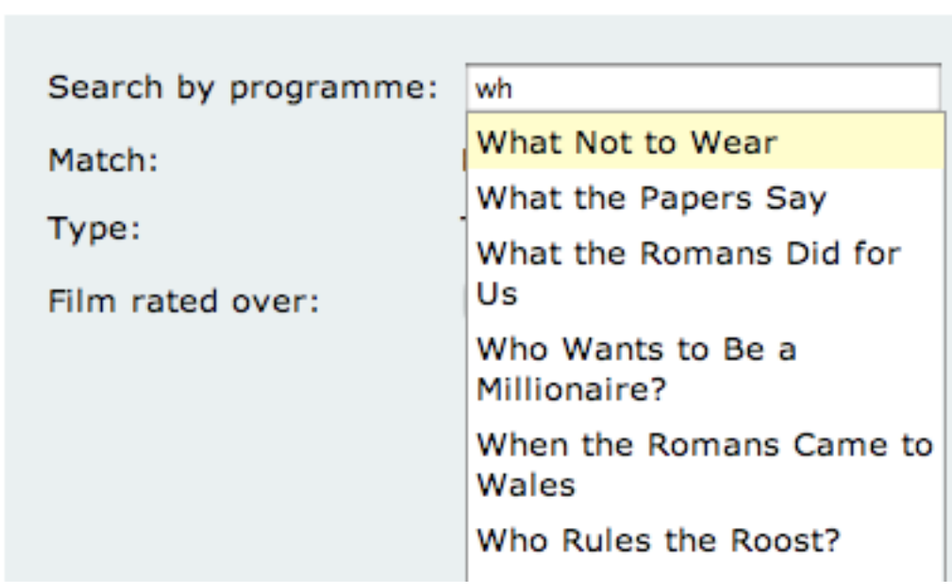
Today's TV schedule



Monday 12th Sept

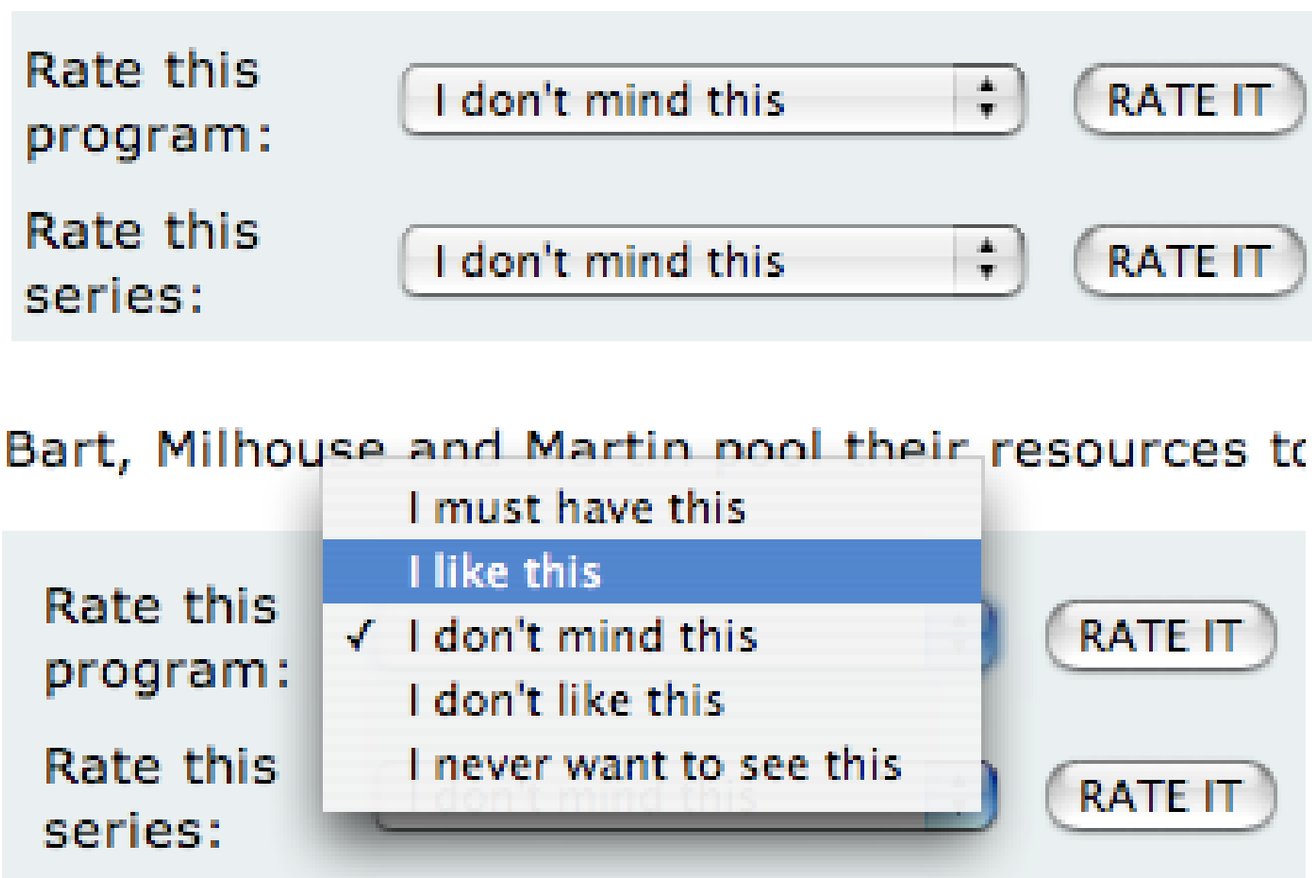
Tooltips on 'Today's TV'

Auto-complete on the search (HTML::Prototype)



Tuesday 13th Sept

Add user ratings



Wednesday 14th Sept

Series page

Genre Tag cloud

(HTML::TagCloud)

Tags for series

Most popular tags tag cloud

Thursday 15th Sept

Rating for Series

Redesign database schema (watch out for this...)

‘your schedule’ (DateTime, DateTime::Span, DateTime::SpanSet).

Your schedule

Programs you want to record:

Today 19th 16:00	TWO	**Monk** Mr Monk and the Game Show: Monk is invited to spend a week with Trudy's father ...	Do not record
Today 19th 17:10	4	**The F Word** The topical nine-part weekly food show hosted by Gordon Ramsay, aided an...	Do not record
Today 19th 21:10	five	**CSI: Crime Scene Investigation** A connection is found between two very different cases...	Do not record
Today 19th 22:10	five	**Law & Order: Special Victims Unit** A mother asks for Benson and Stabler's help in findi...	Do not record
Today 19th 23:25	TWO	**Ideal** The Backpacker: Nicki is unhappy because her saucy polaroids have disappeared a...	Do not record
Today 19th 23:50	ONE	**Stark Raving Mad** Ben McGewen is heavily in debt and under presssure from a crime ...	Do not record
Tomorrow 20th 16:45		**Jamie's Great Escape** Jamie Oliver is travelling across Italy to learn more about the co...	Do not record
Tomorrow 20th 17:20		**The View from River Cottage** Hugh Fearnley-Whittingstall continues his retrospective as...	Do not record
Tomorrow 20th 17:50		**The F Word** The topical nine-part weekly food show hosted by Gordon Ramsay, aided an...	Do not record
Tomorrow 20th 18:55		**Bremner, Bird and Fortune** His master's voices, Rory Bremner and Messrs Bird and Fort...	Do not record
Tomorrow 20th 21:00	ONE	**Egypt** The Temple of the Sands: The amazing adventures of the 19th century explorer Gi...	Do not record

Saturday 17th Sept

Clashes

Recommendations (Search::ContextGraph)

Clashes:

Not recording	Sat 26th 23:25	**Bill & Ted's Bogus Journey**
Recording	Tomorrow 20th 17:50	The F Word
	Tomorrow 20th 18:55	Bremner, Bird and Fortune

Record Bill & Ted's Bogus Journey instead

Your recommendations

Based on program genre and tags - most-recommended programs are listed first.

Today 19th 19:00	itv 4	**UFO** A Siamese cat brings sinister drama to the life of a Shado pilot. Drama, starring Ed Bishop and Georg...
Today 19th 21:40	BBC ONE	**Carrie and Barry** Casualties: Carrie and Barry are in a car accident and recover in hospital. Carrie pieces t...
Today 19th 20:00	itv 4	**Timecop** Logan travels to 1956 Hollywood to prevent the murder of an actress destined to be the mother o...
Today 19th 23:05	BBC TWO	**American Dad** Roger Codger: Stan invites his boss over for dinner, but the Smith family fears getting cau...
Mon 21st 19:00	itv 2	**3rd Rock from the Sun** Mary finds out about Dick and Jennifer, just as he's losing interest in pursuing the ...
Today 19th 23:25	BBC FOUR	**Don't Watch That, Watch This** 2/6. More comedy from the Don't Watch That, Watch This look-a-likes. Ge...
Fri 25th 17:30	4	**Friends** Phoebe and Rachel suspect Chandler of cheating on Monica.

Sunday 18th Sept

Redesign database schema

Add series for EVERY program

Monday 19th Sept

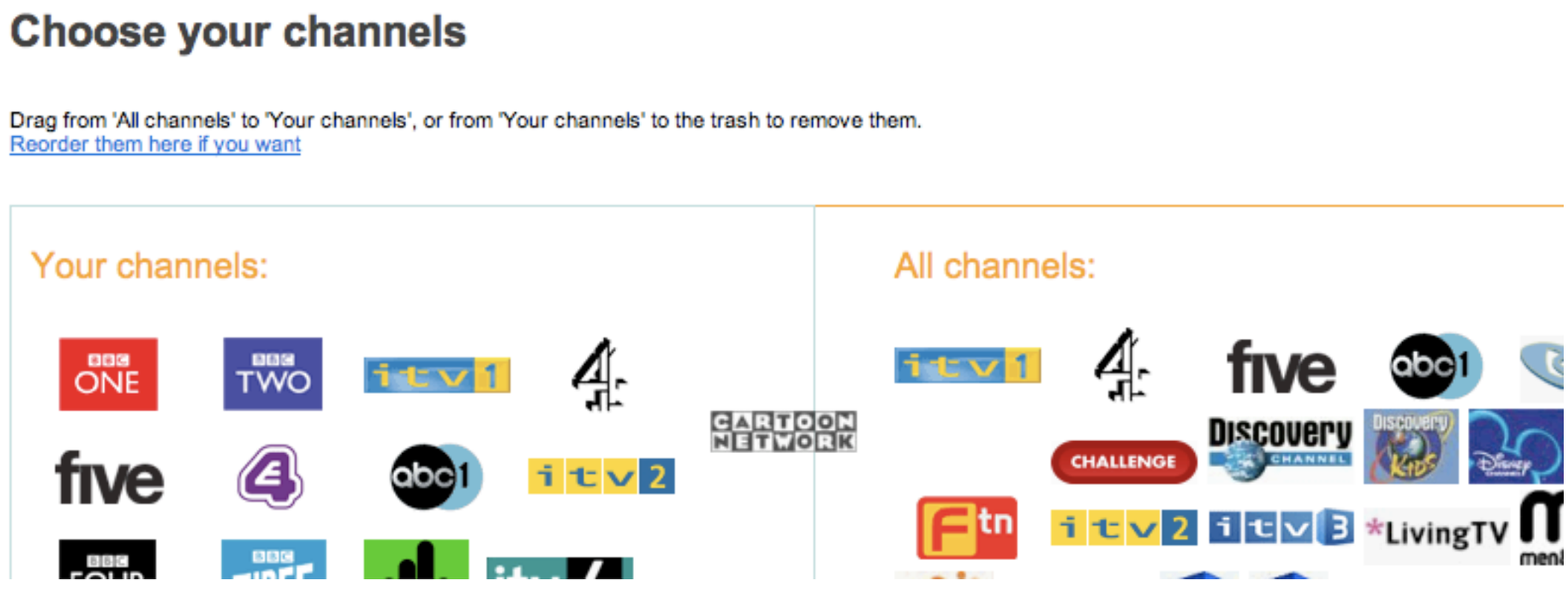
Add EyeTV integration (Mac::EyeTV)

Redesign database schema... yes... again

Tuesday 20th Sept

Customise channel list (using AJAX)

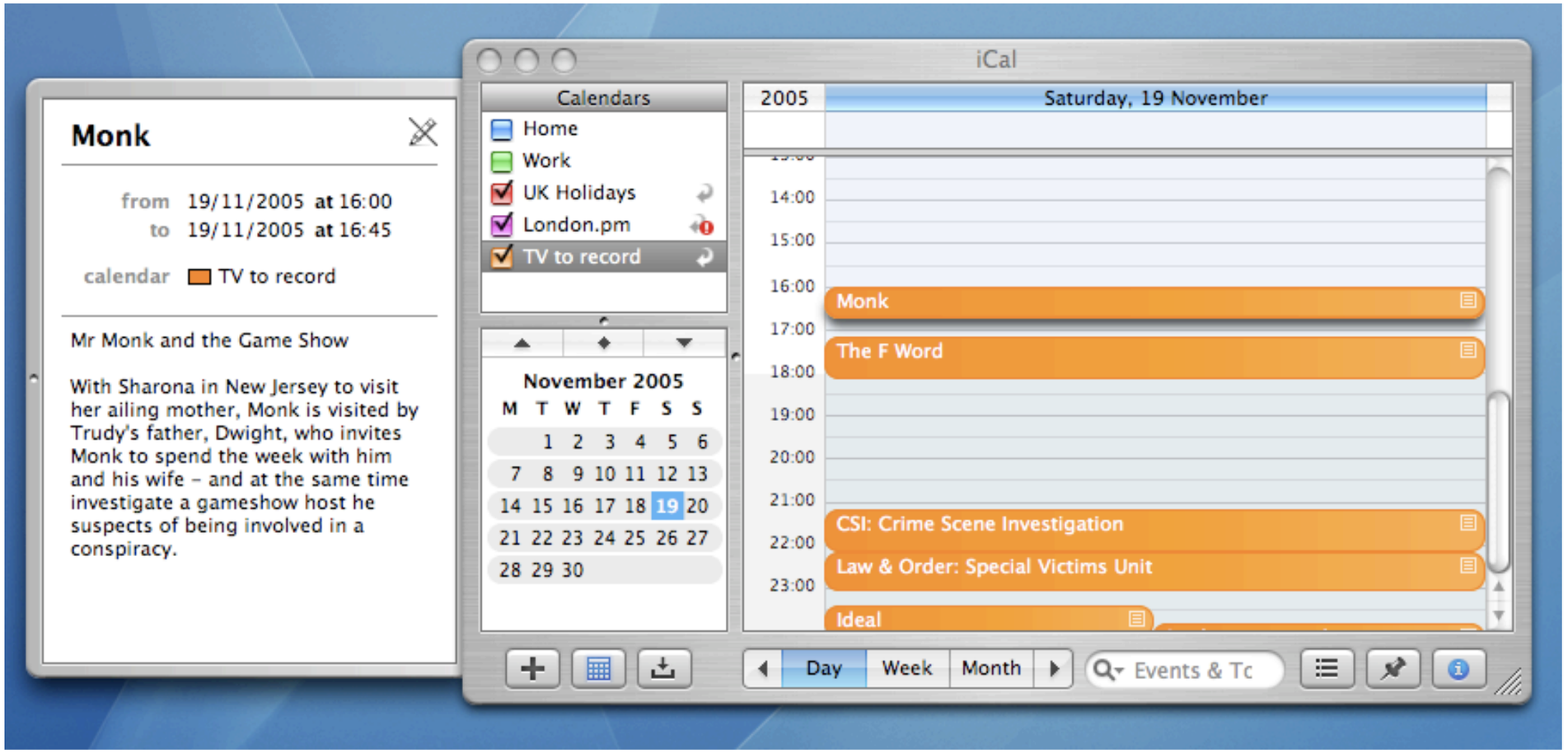
More RSS



Wednesday 21st Sept

Add iCal (Data::ICal::DateTime) and JSON (JSON) support

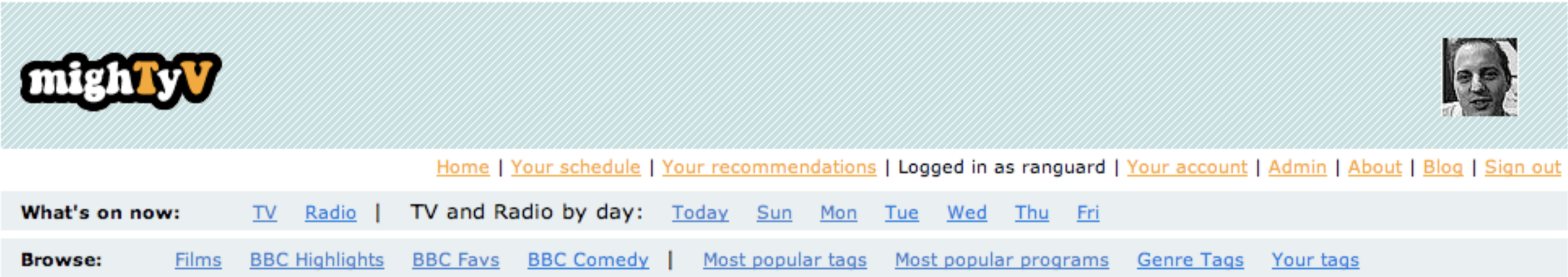
Wow, now almost everything had RSS and JSON support



Thursday 22nd Sept

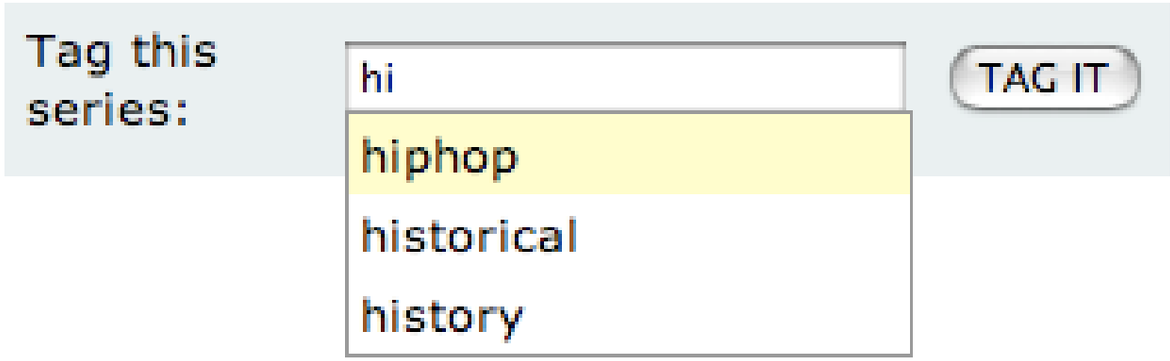
Users can add their own photo

Timezones (the clocks were about to change)



Saturday 24th Sept

Add auto-complete for tagging

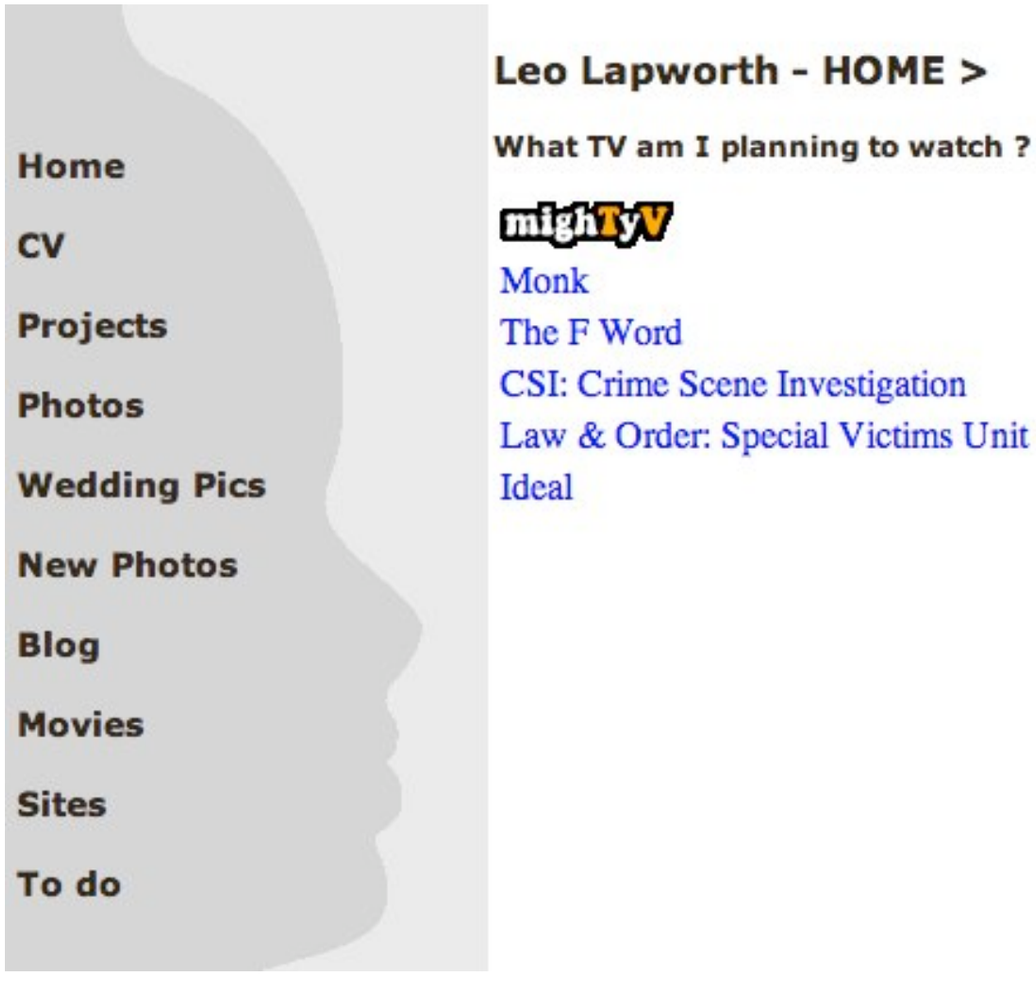


Monday 26th Sept

Delete tags

External Javascript schedule

Fix bugs (reported by our test users)



Tuesday 27th Sept

Start Blog

Order your channels (AJAX)

Thursday 29th Sept

Gmail snippets

Fix bugs (reported by our test users)

Friday 30th Sept

Add tag with spaces
“new york” (Text::Tags::Parser)

Monday 3rd Oct

Entered our entry to the competition

And then rested

Thursday 13th Oct

Now rested...

Add More 4 (new TV channel)

Wednesday 26th Oct

BBC announce that we won

BACKSTAGE BLOG

Backstage competition winners anounced

A while back now we asked you to submit ideas to rethink how to present TV and Radio listings using the TV anytime data and other relevant feeds.

The response was magnificent and thanks again to everyone who took the time and effort to submit entries. But on to the bit you really want:

The winners of the first Backstage competition are...

Leon Brocard and Leo Lapworth for
http://www.mightyv.com/

Monday 7th Nov

Added ITV 4

Highlighted recorded programs

21:40 Bodies	21:10 The X Factor **21:40** Parkinson	21:10 John Q	21:25 The Kid Stays in the Picture	21:10 CSI: Crime Scene Investigation
22:40 Family Guy	**22:40** ITV News; Weather **22:54** London Weather **22:55** Austin Powers: International Man of Mystery			**22:10** Law & Order: Special Victims Unit

What we learned

Spend a bit of time upfront designing your database.

Imports are hard and take a long, long, long time to get right

Data is *always* bad, make *no* assumptions

Focus on what the user wants

Priorities..

CPAN Modules

- Catalyst
- Catalyst::View::TT
- Catalyst::Plugin::Authentication::CDBI
- Catalyst::Plugin::FillInForm
- Catalyst::Plugin::FormValidator
- Catalyst::Plugin::Prototype
- Catalyst::Plugin::Session::FastMmap
- Catalyst::Plugin::Static
- Catalyst::Plugin::SubRequest

Questions?

http://www.mighTyV.com/