



## Chat History with [WTANZ #10 \(#olivernz/\\$e19f242b358ebea2\)](#)

Created on 2010-10-17 20:36:31.

### 2010-10-17

**Oliver Erlewein:** 17:41:11  
Hi added you guys if u wanted to join the WTANZ session. if not just go out of the group again

**Oliver Erlewein:** 17:41:14  
thanks

**Oliver Erlewein:** 18:23:00  
Hey all

**[Marlena Compton \(WTANZ,AUS\):](#)** 18:23:09  
Hey!

**Oliver Erlewein:** 18:23:15  
Can you please post a beep if you can see this group?

**[Thomas Recker:](#)** 18:23:18  
Hi there

**[Trish Khoo \(WTANZ\):](#)** 18:23:20  
Oh hey

**[Thomas Recker:](#)** 18:23:22  
beep

**[Ajay Balamurugadas \(WT,India Facilitator\):](#)** 18:23:27  
Hi All, installing Watir ...

**[Richard Robinson \(WTANZ\):](#)** 18:23:42  
hi

**[Trish Khoo \(WTANZ\):](#)** 18:23:50  
Hey guys, I'm not going to actively participate in this one, but I'll watch...

**[Richard Robinson \(WTANZ\):](#)** 18:24:18  
i think i have already installed watir and ruby from a previous session

**[Ajay Balamurugadas \(WT,India Facilitator\):](#)** 18:24:35  
<quote author="olivernz" authorname="Oliver Erlewein" conversation="#olivernz/\$e19f242b358ebea2" guid="xfff45f435f3fc34e42b3491ef4b26731b5aa84862d3776f23ab02f174a1fee54" timestamp="1287292976"><legacyquote>[10:52:56 AM] Oliver Erlewein: </legacyquote>Can you please post a beep if you can see this group?<legacyquote>  
&lt;&lt;&lt; </legacyquote></quote>beep :)

**[Richard Robinson \(WTANZ\):](#)** 18:25:30  
@Oliver, can you please post a link to the previous set of instructions for installing the apps for this sessions

**Oliver Erlewein:** 18:26:13  
Look here for todays instructions: <http://weekendtesting.com/discussions?vasthtmlaction=viewtopic&t=146.0>

**Oliver Erlewein:** 18:26:42  
@Richard: You only need to do the gem lines at a command prompt

**Oliver Erlewein:** 18:27:36  
@Trish: I'm sure you'll be lured in as we go ;-)

**Ajay Balamurugadas (WT,India Facilitator):** 18:28:19  
I've installed Ruby. to install the watir, I just need to run the cmd lines?

**Vishavdeep Sharma:** 18:28:21  
hi every one

**Richard Robinson (WTANZ):** 18:28:25  
ah ok.is that the watir prompt?

**Oliver Erlewein:** 18:28:50  
@Richard: Command prompt

**Oliver Erlewein:** 18:28:58  
Hi Vish

**Oliver Erlewein:** 18:29:12  
@Ajay: You'll also need to install Watir.

**Richard Robinson (WTANZ):** 18:29:16  
windows comand prompt?

**Oliver Erlewein:** 18:29:24  
DOS

**Richard Robinson (WTANZ):** 18:29:29  
ok

**Oliver Erlewein:** 18:29:36  
@Ajay: Hold on i'll look for instructions

**Ajay Balamurugadas (WT,India Facilitator):** 18:29:48  
ok

**Ajay Balamurugadas (WT,India Facilitator):** 18:29:58  
I'm here: <http://watir.com/installation/#win>

**Oliver Erlewein:** 18:31:04  
We'll wait another few minutes for late runners and then start

**Oliver Erlewein:** 18:31:19  
@Ajay: Marlena will post some Watir stuff

**Marlena Compton (WTANZ,AUS):** 18:31:26  
Here's a gist with some basic Watir commands. Let me know if you can't see it.  
<https://gist.github.com/69c46b1216acb37409d3>

**Oliver Erlewein:** 18:31:31  
Btw, nobody needs to know Watir today

**Oliver Erlewein:** 18:31:41  
We'll just use it

**Oliver Erlewein:** 18:31:49  
but I'll give you the code

**Richard Robinson (WTANZ):** 18:32:15  
gem install rspec gave me this error

**Richard Robinson (WTANZ):** 18:32:43  
ERROR: While executing gem ... <Zlib::BufError>

**Richard Robinson (WTANZ):** 18:32:50  
bugger error - any ideas?

**Richard Robinson (WTANZ):** 18:33:11  
oops... buffer error

**Vishavdeep Sharma (WTANZ):** 18:33:15  
buffer error u mean :)

**Richard Robinson (WTANZ):** 18:33:19  
lol

**Oliver Erlewein:** 18:34:35  
@Rich: No clue. Did mine today and worked like a charm

**Oliver Erlewein:** 18:34:52  
but you also had issues last time I remember

**Richard Robinson (WTANZ):** 18:35:04  
do i need rspec

**Vishavdeep Sharma (WTANZ):** 18:35:08  
try doing  
  
gem update --system

**Ajay Balamurugadas (WT,India Facilitator):** 18:35:36  
'gem' is not recognized as an internal command or ...

**Oliver Erlewein:** 18:35:53  
then you don't have ruby in your PATH

**Oliver Erlewein:** 18:36:13  
or go directly into the ruby directory with the gem.exe

**Ajay Balamurugadas (WT,India Facilitator):** 18:36:13  
ok

**Vishavdeep Sharma (WTANZ):** 18:36:47  
@ajay what happens if u type irb on command promopt ?

**Ajay Balamurugadas (WT,India Facilitator):** 18:37:19  
C:\Ruby192\ruby.exe

**Ajay Balamurugadas (WT,India Facilitator):** 18:37:22  
I ran that

**Ajay Balamurugadas (WT,India Facilitator):** 18:37:41  
and on typing gem update --system or irb, they just appear there

**Frisco Del Rosario (WTANZ, USA):** 18:38:17  
Does ruby -v return anything?

**Ajay Balamurugadas (WT,India Facilitator):** 18:38:29  
no

**Ajay Balamurugadas (WT,India Facilitator):** 18:38:36  
you guys carry on, I'll watch

**Oliver Erlewein:** 18:38:38  
I also had a Hans that wanted to join but I don't have his Skype name. Anyone know who that might be?

**Richard Robinson (WTANZ):** 18:39:19  
brb...restarting

**Oliver Erlewein:** 18:39:27  
lol

**Oliver Erlewein:** 18:39:38  
Ok, lets wait for Richard....

**Ajay Balamurugadas (WT,India Facilitator):** 18:39:55

hdus001 is the id

[Ajay Balamurugadas \(WT,India Facilitator\):](#)

18:40:02

@Oliver

**Oliver Erlewein:**

18:40:20

In the meantime, can you all just give me a heads-up who's done Scrum/Agile and knows what stories and acceptance criteria are?

[Marlena Compton \(WTANZ,AUS\):](#)

18:40:56

I'm doing scrum and know what stories are but haven't heard about acceptance criteria.

**Oliver Erlewein:**

18:40:58

@Ajay: Is he online?

[Marlena Compton \(WTANZ,AUS\):](#)

18:41:06

well...we're not doing acceptance criteria.

**Oliver Erlewein:**

18:41:16

or whatever you may call them

[Vishavdeep Sharma \(WTANZ\):](#)

18:41:29

My exp is same as Marlena

[Ajay Balamurugadas \(WT,India Facilitator\):](#)

18:41:41

No @Oliver

**Oliver Erlewein:**

18:41:57

or rather validations for when a story is done

**Oliver Erlewein:**

18:42:34

@Ajay: Maybe add him to the group anyway

[Marlena Compton \(WTANZ,AUS\):](#)

18:42:36

I do that informally. Testing against spec.

[Trish Khoo \(WTANZ\):](#)

18:42:47

I've done some version of scrum and know of those concepts

**Oliver Erlewein:**

18:42:51

@Marlena: Spec?! In Agile?!

[Marlena Compton \(WTANZ,AUS\):](#)

18:43:01

sigh. don't ask.

[Richard Robinson \(WTANZ\):](#)

18:43:14

back

**Oliver Erlewein:**

18:43:15

Got my coffee! Thanks Rebecca <-- wife. We can start now

**Oliver Erlewein:**

18:43:29

Oh and Rich's back too

**Oliver Erlewein:**

18:43:35

Hi Keis

[Keis \(WTANZ\):](#)

18:43:51

Hi, Oliver

[Keis \(WTANZ\):](#)

18:44:06

I was just about to send you a pm in skype :D

**Oliver Erlewein:**

18:44:08

Ok, what we're here to do is give you a quick intro to Cucumber and the Gherkin concept

[Keis \(WTANZ\):](#)

18:44:36

Thanks to Marlana for adding me in :)

**[Marlena Compton \(WTANZ,AUS\):](#)**

18:44:55

yw

**Oliver Erlewein:**

18:45:06

Gherkin have a look here: <http://github.com/aslakhellesoy/cucumber/wiki/gherkin>

**Oliver Erlewein:**

18:45:33

On that page is a blue box. That starts Feature:....

**Oliver Erlewein:**

18:45:42

That's what I'll be talking to now

**Oliver Erlewein:**

18:45:55

Gherkin is a concept on how to describe tests

**Oliver Erlewein:**

18:46:13

From the Agile world we have the concept of stories.

**Oliver Erlewein:**

18:46:19

and this is no different

**Oliver Erlewein:**

18:47:08

I think stories describe system behaviour in the form As a <xyz> When i do <xyz> Then <xyz> happens.

**Oliver Erlewein:**

18:47:26

If you look at the blue box you can see that too.

**Oliver Erlewein:**

18:47:36

There is a Feature description

**Oliver Erlewein:**

18:47:42

(plain text)

**Oliver Erlewein:**

18:47:48

Then a Scenario

**Oliver Erlewein:**

18:48:02

Where I go Given --> Then

**Oliver Erlewein:**

18:48:34

The Feature is the story and the Scenarios the acceptance criteria or better test cases

**Oliver Erlewein:**

18:48:42

all with me? say Aye

**Oliver Erlewein:**

18:48:47

questions so far?

**[Frisco Del Rosario \(WTANZ, USA\):](#)**

18:48:49

Aye.

**[Marlena Compton \(WTANZ,AUS\):](#)**

18:49:01

ja voll!

**[Trish Khoo \(WTANZ\):](#)**

18:49:03

aye

**[Ajay Balamurugadas \(WT,India Facilitator\):](#)**

18:49:22

aye :)

**Oliver Erlewein:**

18:49:27

Ok, now wouldn't it be cool if that was an automated test?

**[Keis \(WTANZ\):](#)**

18:49:27

aye

**Marlena Compton (WTANZ,AUS):** 18:49:42  
YES

**Oliver Erlewein:** 18:49:54  
That's where Cucumber comes in.

**Oliver Erlewein:** 18:50:08  
Gherkin is like the programming language.

**Oliver Erlewein:** 18:50:15  
Like Java or C++

**Oliver Erlewein:** 18:50:29  
Cucumber is the "compiler" that makes it all work

**Oliver Erlewein:** 18:50:33  
in Ruby

**Oliver Erlewein:** 18:50:50  
there are Cucumbers for other languages too but they are called differently

**Oliver Erlewein:** 18:51:03  
and I currently don't remember what

**Oliver Erlewein:** 18:51:28  
so today I want to show you a simple example of how to cucumber and get you to expand the example

**Oliver Erlewein:** 18:51:48  
1st step we need to create a directory structure

**Oliver Erlewein:** 18:52:17  
So choose an empty dir and create the following sub-dirs

**Richard Robinson (WTANZ):** 18:52:29  
Is the desktop ok?

**Oliver Erlewein:** 18:52:54  
Yes but create a directory on desktop and go in there

**Oliver Erlewein:** 18:53:29  
then in that directory create a directory called "features" (no quotes pls)

**Vishavdeep Sharma (WTANZ):** 18:53:45  
:)

**Oliver Erlewein:** 18:54:08  
in that \features\step\_definitions

**Oliver Erlewein:** 18:54:10  
and

**Oliver Erlewein:** 18:54:18  
\features\support

**Oliver Erlewein:** 18:54:43  
once you've done that go back to the root (\)

**Oliver Erlewein:** 18:55:07  
just the directory where features is in not the real root

**Oliver Erlewein:** 18:55:14  
for those unixy of you

**Oliver Erlewein:** 18:55:22  
all with me?

**Keis (WTANZ):** 18:55:27  
yup

**Richard Robinson (WTANZ):** 18:55:30  
(Y)

**Marlena Compton (WTANZ,AUS):** 18:55:31  
yes

**Frisco Del Rosario (WTANZ, USA):** 18:55:35  
(y)

**Vishavdeep Sharma (WTANZ):** 18:55:50  
<ss type="yes">(y)</ss>

**Oliver Erlewein:** 18:55:59  
Ok in that dir create a file called "Rakefile" no extension and a large R pls

**Oliver Erlewein:** 18:56:10  
and open it in a text editor

**Oliver Erlewein:** 18:56:18  
if you have Ruby use SciTe

**Oliver Erlewein:** 18:56:25  
or something similar

**Marlena Compton (WTANZ,AUS):** 18:56:36  
vi

**Marlena Compton (WTANZ,AUS):** 18:56:43  
:P

**Oliver Erlewein:** 18:57:05  
There you enter this:

**Oliver Erlewein:** 18:57:09  
\$:unshift(File.dirname(\_\_FILE\_\_) + '/.././lib')  
require 'cucumber/rake/task'

Cucumber::Rake::Task.new do |t|  
  t.cucumber\_opts = %w{--format pretty}  
end

# Cucumber::Rake::Task.new(:cucumber\_screenshot) do |t|  
#  t.cucumber\_opts = %w{--format html --out report.html}  
# end

task :default => :cucumber

**Oliver Erlewein:** 18:57:35  
Ok, the smiley is ": d" without the space

**Oliver Erlewein:** 18:57:39  
sorry

**Oliver Erlewein:** 18:58:10  
and you create another file cucumber.yml and enter

**Oliver Erlewein:** 18:58:23  
default: --format html --out report.html --format pretty

**Oliver Erlewein:** 18:58:27  
as content

**Oliver Erlewein:** 18:58:45

oh and this falls under "Don't ask"!

**Oliver Erlewein:** 18:59:12

I'm not a Cucumber whiz. Just a user so you'll have to research what those files mean on your own

**Oliver Erlewein:** 18:59:27

but for 99% of what you'll do you won't need to change them

**Oliver Erlewein:** 18:59:33

all with me?

**Marlena Compton (WTANZ,AUS):** 18:59:41

(y)

**Richard Robinson (WTANZ):** 18:59:41

Y

**Frisco Del Rosario (WTANZ, USA):** 18:59:43

(y)

**Keis (WTANZ):** 18:59:59

yup

**Oliver Erlewein:** 19:00:00

Now change to dir features

**Oliver Erlewein:** 19:00:12

and create and edit file search.feature

**Oliver Erlewein:** 19:00:25

there you enter

**Oliver Erlewein:** 19:00:30

Feature: Search

In order to learn more

As an information seekerclear

I want to find more information

Scenario: Find what I'm looking for

Given I am on the Google search page

When I search for "cucumber"

Then I should see

""

cukes.info

""

**Oliver Erlewein:** 19:00:59

Spot the mistake in the above?

**Vishavdeep Sharma (WTANZ):** 19:01:02

would it be easier if send zipped directory structure and files ?

**Vishavdeep Sharma (WTANZ):** 19:01:31

then we can discuss the code, rather than typing bits and pieces on skype window

**Oliver Erlewein:** 19:01:44

Would have been but when I prepared this I was using Pligus and you couldn't upload there

**Oliver Erlewein:** 19:01:59

Only 3 more files to go.

**Vishavdeep Sharma (WTANZ):** 19:02:10

alright cheers

**Oliver Erlewein:** 19:02:25

Sorry. Vish next time



**Vishavdeep Sharma (WTANZ):** 19:02:33  
no worries

**Marlena Compton (WTANZ,AUS):** 19:03:00  
Is "seekerclear" meant to be 1 word?

**Oliver Erlewein:** 19:03:11  
Ok. as you can see this is the Gherkin like file we saw on the website before

**Oliver Erlewein:** 19:03:27  
@Marlena you found the issue

**Oliver Erlewein:** 19:03:34  
so just delete the clear.

**Oliver Erlewein:** 19:03:37  
part

**Oliver Erlewein:** 19:04:00  
but it isn't bad if it stays either. It is just confusing if you leave it.

**Oliver Erlewein:** 19:04:24  
So we can see the story about someone wanting to search google and find something.

**Oliver Erlewein:** 19:04:36  
The Scenario is a specific test case

**Oliver Erlewein:** 19:04:42  
is that obvious?

**Marlena Compton (WTANZ,AUS):** 19:04:56  
yes

**Oliver Erlewein:** 19:05:28  
Ok, now next file goes into \features\support and is called env.rb

**Oliver Erlewein:** 19:05:36  
begin require 'rspec/expectations'; rescue LoadError; require 'spec/expectations'; end  
  
require 'watir'  
  
Browser = Watir::IE  
  
browser = Browser.new  
  
Before do  
  @browser = browser  
end  
  
at\_exit do  
  browser.close  
end

**Oliver Erlewein:** 19:05:59  
This is where Cucumber sets up the environment

**Oliver Erlewein:** 19:06:15  
things like teardowns or global variables

**Oliver Erlewein:** 19:06:39  
as you can see it handles the loading of Watir, the starting of the browser

**Oliver Erlewein:** 19:07:02  
and defining @browser the global variable for the browser instance

**Oliver Erlewein:** 19:07:21

now to the last and crucial bit

**Oliver Erlewein:**

19:07:43

in \features\step\_definitions create search\_steps.rb

**Oliver Erlewein:**

19:07:57

```
Given 'I am on the Google search page' do
  @browser.goto 'http://www.google.com/'
end
```

```
When /I search for "(.*)"/ do |query|
  @browser.text_field(:name, 'q').set(query)
  @browser.button(:name, 'btnG').click
end
```

```
Then /I should see/ do |text|
  @browser.text.should =~ /#{text}/m
end
```

**Oliver Erlewein:**

19:08:17

Say aye if you're all finished

**Marlena Compton (WTANZ,AUS):**

19:08:37

(y)

**Frisco Del Rosario (WTANZ, USA):**

19:08:40

Aye.

**Oliver Erlewein:**

19:08:44

then go to the Dos command line where the Rakefile is

**Keis (WTANZ):**

19:09:00

aye

**Oliver Erlewein:**

19:09:05

and type "rake" and hit enter (and I'll XX my thumbs)

**Oliver Erlewein:**

19:09:19

Say aye2 if it executed

**Richard Robinson (WTANZ):**

19:09:24

aye

**Oliver Erlewein:**

19:09:44

Executed means IE flashes up and shows google for a sec

**Frisco Del Rosario (WTANZ, USA):**

19:09:46

Invalid char ` ' in expression

**Frisco Del Rosario (WTANZ, USA):**

19:09:52

Lemme fix the rakefile.

**Richard Robinson (WTANZ):**

19:10:13

rake aborted!

**Richard Robinson (WTANZ):**

19:10:17

no rakefile found

**Oliver Erlewein:**

19:10:25

you in the right dir?

**Oliver Erlewein:**

19:10:31

try rake Rakefile

**Richard Robinson (WTANZ):**

19:10:34

no

**[Richard Robinson \(WTANZ\):](#)** 19:10:37  
lol

**[Richard Robinson \(WTANZ\):](#)** 19:10:41  
lemme try again

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:11:14  
I got same as Frisco. going to look at the rakefile

**[Keis \(WTANZ\):](#)** 19:11:58  
rake aborted! i ran it with --trace as suggested

**[Keis \(WTANZ\):](#)** 19:12:31  
not sure if i need to install something else

**Oliver Erlewein:** 19:12:38  
just check your Rakefile if in the last line you have a large D for default

**Oliver Erlewein:** 19:12:43  
it should be small

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:12:43  
It's borking somewhere on this line: t.cucumber\_opts = %w{--format pretty}

**Oliver Erlewein:** 19:13:03  
that's odd

**Oliver Erlewein:** 19:13:17  
mine works just excellent and I did the install today

**Oliver Erlewein:** 19:13:25  
and posted the exact steps

**Oliver Erlewein:** 19:13:52  
@Marlena: you doing this on a windows VM?

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:14:44  
Looks like it's some encoding problem and that spaces maybe have been copied incorrectly.

**Oliver Erlewein:** 19:14:57  
Sh\*t

**Oliver Erlewein:** 19:15:18  
I just tried copy and paste and it did it fine for me.

**[Keis \(WTANZ\):](#)** 19:15:26  
maybe we could go w/ vish's suggestion

**[Keis \(WTANZ\):](#)** 19:15:53  
so that we'd be sure the files are working in at least one envt

**Oliver Erlewein:** 19:15:59  
I'm just prepping a ZIP file now.

**[Vishavdeep Sharma \(WTANZ\):](#)** 19:16:08  
would discussing the approach,experince ,challanges,benefits would be good use of knowdlege sharing and people can follow instructions on cucumber site to set up and fix their envs later on ?

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:17:59  
I deleted and added the spaces back for the line that starts t.cucumber

**Oliver Erlewein:** 19:18:10  
here comes ZIP file

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:18:10  
It then went past that line and failed after ward.

**[Richard Robinson \(WTANZ\):](#)** 19:18:20  
i had to turn file extensions on

**Oliver Erlewein:** 19:18:24  
posted file Cucumber.zip to members of this chat<files alt=""><file size="33340" index="0">Cucumber.zip</file></files>

**[Richard Robinson \(WTANZ\):](#)** 19:18:26  
and found all my files had .txt

**[Richard Robinson \(WTANZ\):](#)** 19:18:38  
now i get a different error

**[Richard Robinson \(WTANZ\):](#)** 19:18:56  
no such file to load -- cucumber/rake/task

**Oliver Erlewein:** 19:19:21  
try the zip file

**[Frisco Del Rosario \(WTANZ, USA\):](#)** 19:19:36  
(y)

**Oliver Erlewein:** 19:19:59  
Anyway even without execution I can go through the fundamentals and then we can go back to hacking.

**Oliver Erlewein:** 19:20:42  
So if you open the search.feature file and search\_steps.rb file....

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:20:55  
It's wherever there's a tab. If I replace with 2 spaces, works.

**Oliver Erlewein:** 19:21:06  
ah ok

**Oliver Erlewein:** 19:21:10  
that's abummer

**Oliver Erlewein:** 19:21:21  
does ZIP file fix that?

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:21:47  
I guess I should open it. Got kind of interested in fixing the ones I set up.

**[Richard Robinson \(WTANZ\):](#)** 19:21:54  
same error

**Oliver Erlewein:** 19:22:04  
error as in?

**[Vishavdeep Sharma \(WTANZ\):](#)** 19:22:41  
i tried running from zip an getting  
No Rakefile found

**Oliver Erlewein:** 19:22:50  
I still think there's some issues with PATH variabes and the such

**Oliver Erlewein:** 19:22:59  
Who's using Win7 here?

**[Richard Robinson \(WTANZ\):](#)** 19:23:04  
Yes, I am

**[Marlena Compton \(WTANZ,AUS\):](#)** 19:23:29  
I got an error that says uninitialized constant browser. I might have to play with the open browser syntax.

**Oliver Erlewein:** 19:23:36

@Vish: You in the correct dir? You must be in the dir with Rakefile

**Vishavdeep Sharma (WTANZ):**

19:23:39

me on XP

**Oliver Erlewein:**

19:24:07

@Marlena: If you're using the Mac then you need to switch to firefox or safari

**Marlena Compton (WTANZ,AUS):**

19:24:19

Trying to use firewatir

**Frisco Del Rosario (WTANZ, USA):**

19:24:44

Firewatir is the biggest pain in the world.

**Oliver Erlewein:**

19:24:45

yeah, that's a bit different. You need to change env.rb

**Marlena Compton (WTANZ,AUS):**

19:25:13

I changed require to 'firewatir' and commented out Browser = Watir::IE

**Frisco Del Rosario (WTANZ, USA):**

19:25:23

Now you will get jssh errors.

**Oliver Erlewein:**

19:25:26

Anyway. let's go to serach\_steps.rb

**Marlena Compton (WTANZ,AUS):**

19:25:37

no, I started firefox with -jssh :P

**Oliver Erlewein:**

19:25:48

have a look at the file content. can you all see what it's doing?

**Oliver Erlewein:**

19:26:04

It starts out with Given and then some text

**Oliver Erlewein:**

19:26:19

Cucumber translates this to mean

**Richard Robinson (WTANZ):**

19:26:26

so the code says its looking for a /task/ folder

**Richard Robinson (WTANZ):**

19:26:27

and i dont have one

**Oliver Erlewein:**

19:26:29

if you find a given with the text do

**Oliver Erlewein:**

19:26:52

@Richard: That task folder is in the gem I believe

**Oliver Erlewein:**

19:27:07

So you have some issues with it not finding the gems

**Richard Robinson (WTANZ):**

19:27:27

its looking for /cucumber/task/

**Oliver Erlewein:**

19:27:29

In the do...end loop you can tell Cucumber what to do

**Oliver Erlewein:**

19:27:42

@Rich: Hold on caller....

**Oliver Erlewein:**

19:28:20

@Rich: That is the cucumber gem not the Cucumber dir I gave you

**Oliver Erlewein:**

19:28:57

Anyway can I ask you all to stop the tinkering for a while? I know you're all geeks ;-)

<b>Oliver Erlewein:</b>	19:29:22
Have you all got the concept of what's happening in search_steps.rb?	
<b><a href="#">Marlena Compton (WTANZ,AUS):</a></b>	19:29:26
ok stepping away from the keyboard.	
<b>Oliver Erlewein:</b>	19:29:27
Any questions?	
<b>Oliver Erlewein:</b>	19:30:02
The relation of Given...When.Then?	
<b><a href="#">Richard Robinson (WTANZ):</a></b>	19:30:10
yes	
<b><a href="#">Richard Robinson (WTANZ):</a></b>	19:30:14
no questions	
<b><a href="#">Vishavdeep Sharma (WTANZ):</a></b>	19:30:34
no questions so far	
<b>Oliver Erlewein:</b>	19:30:44
If you now look at the lines in search.feature	
<b>Oliver Erlewein:</b>	19:30:59
You can see Given...When...Thn	
<b>Oliver Erlewein:</b>	19:32:07
Now you could start expanding the test cases very easily....	
<b>Oliver Erlewein:</b>	19:32:09
like	
<b>Oliver Erlewein:</b>	19:32:19
Feature: Search	
In order to learn more	
As an information seeker	
I want to find more information	
Scenario: Find what I'm looking for	
Given I am on the Google search page	
When I search for "cucumber"	
Then I should see	
"""	
cukes.info	
"""	
Scenario: Find what I'm looking for again	
Given I am on the Google search page	
When I search for "weekendtesting"	
Then I should see	
"""	
weekendtesting.com	
"""	
<b>Oliver Erlewein:</b>	19:32:30
Just by adding another scenario.	
<b>Oliver Erlewein:</b>	19:33:13
The cool thing is that you have just separated the Business side from the test development side.	
<b>Oliver Erlewein:</b>	19:33:33
I can now go to my business analyst and say: write down your scenarios	
<b>Oliver Erlewein:</b>	19:33:42
in a given...when...then form	

**Oliver Erlewein:** 19:34:24  
independantly of that I can develop the functions behind what the Scenarios do.

**Oliver Erlewein:** 19:34:55  
Go to the Cucumber folder of my ZIP file. You'll see a HTML file there

**Vishavdeep Sharma (WTANZ):** 19:35:02  
by functions do u mean write ruby functions ?

**Oliver Erlewein:** 19:35:05  
that is the result of a test run.

**Oliver Erlewein:** 19:35:34  
Yes, write the stuff in search\_steps.rb

**Oliver Erlewein:** 19:35:54  
This is now BDD at it's simplest form

**Marlena Compton (WTANZ,AUS):** 19:36:40  
I'm wondering how well a product manager would work with this dsl.

**Oliver Erlewein:** 19:37:16  
Does your product manager write the stories?

**Marlena Compton (WTANZ,AUS):** 19:37:34  
yes

**Marlena Compton (WTANZ,AUS):** 19:37:54  
well. They write spec. Team breaks down into stories.

**Oliver Erlewein:** 19:38:09  
Then he should be pretty fine. All you need to give him is an undertanding of the syntax and explain to him how to come up with new syntax

**Thomas Recker:** 19:38:20  
Question: When the BA writes the scenarios and someone else develops the test steps. How will the wording be matched. I see that the feature file and the steps file include more or lesse the same wording.

**Oliver Erlewein:** 19:38:33  
See, the TEAM writes stories...was starting to wonder

**Oliver Erlewein:** 19:39:13  
@Thomas: Correct you need to have a dictionary of some sort

**Oliver Erlewein:** 19:39:29  
What I usually do is add one layer of abstraction

**Oliver Erlewein:** 19:39:59  
that means in the search\_steps.rb I reference another rb file with functions.

**Oliver Erlewein:** 19:40:40  
so I can write the steps file first and define the syntax. Then get the BA to write the search.features

**Thomas Recker:** 19:41:01  
Hmmm

**Oliver Erlewein:** 19:41:09  
and then develop the programming side at my leasure while the BA is hacking away at the test cases

**Oliver Erlewein:** 19:41:16  
or scenarios

**Thomas Recker:** 19:41:20  
Seems to double the same work to me

**Oliver Erlewein:** 19:41:32

Nope

**Oliver Erlewein:** 19:41:52  
But it does force the BA's/PO to write better stories

**Oliver Erlewein:** 19:42:06  
Ok. So much for theory.

**Oliver Erlewein:** 19:42:14  
Now let's get back to hacking.

**Oliver Erlewein:** 19:42:34  
So where's everyone at with execution i.e. what errors are out there atm

**Oliver Erlewein:** 19:42:35  
?

**Vishavdeep Sharma (WTANZ):** 19:43:26  
I agree if the principle is followed it leads to better stories, but adds another dependency layer to

**Oliver Erlewein:** 19:44:24  
@Vish: That dependency layer is already present. The problem is that it gets ignored. In real life that means you have issues with getting your stories across the line

**Oliver Erlewein:** 19:44:48  
I know it's more work but what would you do as an alternative?

**Oliver Erlewein:** 19:45:09  
Just code Watir straight into one file?

**Oliver Erlewein:** 19:45:38  
Somehow you need tracability between stories and your test scripts

**Oliver Erlewein:** 19:45:42  
Not?

**Frisco Del Rosario (WTANZ, USA):** 19:46:23  
undefined method `before' for main:Object

**Thomas Recker:** 19:46:49  
@Oliver:

**Thomas Recker:** 19:46:50  
Using the default profile...  
Feature: Search  
In order to learn more  
As an information seeker  
I want to find more information

Scenario: Find what I'm looking for  
Given I am on the Google search page  
When I search for "cucumber"  
Then I should see  
""  
cukes.info  
""

0 scenarios  
0 steps  
0m0.004s  
\*\* Execute default

**Thomas Recker:** 19:47:08  
Somehow the steps are not executed

**Vishavdeep Sharma (WTANZ):** 19:47:13



writing test cases directly in watir/ruby is a crude way

having a set of libraries/functions to assemble ur tests is another way

which my guess is would be similar to abstraction layer you are referring to

**Oliver Erlewein:** 19:47:44

@Frisco: Can you check env.rb that the Before has a large B at the front?

**Thomas Recker:** 19:48:20

Oh, I'm using Safari

**Oliver Erlewein:** 19:48:26

@Vish: That would be exactly the same as Cucumber but with the downside that you can't get your BA to program that.

**Frisco Del Rosario (WTANZ, USA):** 19:48:31

1 scenario (1 passed)

3 steps (3 passed)

**Frisco Del Rosario (WTANZ, USA):** 19:48:34

WOOHOO!

**Oliver Erlewein:** 19:48:39

++ Frisco

**Oliver Erlewein:** 19:48:59

Ok, Frisco add another test

**Oliver Erlewein:** 19:49:36

@Thomas: You need to correct the env.rb file to use safari

**Thomas Recker:** 19:49:46

:) I did

**Oliver Erlewein:** 19:49:51

@Marlena: how are you going?

**Thomas Recker:** 19:49:52

I see Safari starting

**Thomas Recker:** 19:50:20

Browser = Watir::Safari

**Marlena Compton (WTANZ,AUS):** 19:50:26

I've got jrubby errors. Seems I've got jrubby in my path instead of ruby. Can't figure out if jrubby doesn't like my setup or if it's something else.

**Oliver Erlewein:** 19:50:41

That sounds bad

**Oliver Erlewein:** 19:50:56

Can you redo the Path temporarily?

**Frisco Del Rosario (WTANZ, USA):** 19:51:09

Thomas, did you require safarawatir?

**Thomas Recker:** 19:51:20

Wait

**Keis (WTANZ):** 19:51:52

hi richard... were you able to go around the /cucumber/rake/task prob?

**Marlena Compton (WTANZ,AUS):** 19:52:09

looking for my ruby lib.

**Oliver Erlewein:** 19:52:21

@Keis: Maybe redo "gem install cucumber" have a lookout for errors

**Thomas Recker:**

19:52:29

require 'safarwatir'

Browser = Watir::Safari

Same result:

0 scenarios

0 steps

0m0.001s

**Keis (WTANZ):**

19:52:54

oh, i was trying that earlier but i got some errors

**Oliver Erlewein:**

19:53:24

@Thomas: Are the safari Watir commands the same as the IE ones?

**Keis (WTANZ):**

19:53:33

C:\Users\kristine>gem install cucumber

ERROR: http://rubygems.org/ does not appear to be a repository

ERROR: Could not find a valid gem 'cucumber' (>= 0) in any repository

**Oliver Erlewein:**

19:53:37

If not you'd need to change search\_steps.rb

**Frisco Del Rosario (WTANZ, USA):**

19:53:50

Thomas, do Browser = Watir::Safari.start

**Frisco Del Rosario (WTANZ, USA):**

19:54:05

Er, browser = Watir::Safari.start

**Richard Robinson (WTANZ):**

19:54:17

@Keis, nope. my cucumber is broken :(

**Thomas Recker:**

19:54:19

Safari starts I can see the window

**Oliver Erlewein:**

19:54:20

@Keis: You have internet access on that box? Or a firewall or something?

**Vishavdeep Sharma (WTANZ):**

19:54:26

i am getting

1 scenario (1 failed)

3 steps (1 failed, 2 passed)

**Oliver Erlewein:**

19:54:45

@Vish: That's interesting. What doesn't pass?

**Frisco Del Rosario (WTANZ, USA):**

19:54:48

@Thomas: But Safari doesn't go to Google?

**Thomas Recker:**

19:54:51

If the commands are different then Watir is not the right tool. I can't script different for different browsers

**Thomas Recker:**

19:55:01

Right. Nothing happens in Safari

**Thomas Recker:**

19:55:09

Open/Close/done

**Thomas Recker:**

19:55:17

I'll check the docu

**Oliver Erlewein:**

19:55:21

@Thomas: Has always been a Watir issue. That's why we quickly dropped using firewatir

**[Thomas Recker:](#)** 19:55:45  
The world loves the IE.

**[Vishavdeep Sharma \(WTANZ\):](#)** 19:55:50  
undefined method `should' for #<String:0x338cb94> (NoMethodError)

**Oliver Erlewein:** 19:55:53  
@Frisco: Were you abble to add another test?

**[Frisco Del Rosario \(WTANZ, USA\):](#)** 19:56:12  
I thought I should help my fellow Mac folks.

**Oliver Erlewein:** 19:56:39  
@Vish: That's very odd. That's a ruby function

**[Keis \(WTANZ\):](#)** 19:56:42  
@Oliver... i was able to install rake earlier... let me just try to reconnect

**Oliver Erlewein:** 19:56:50  
@Frisco: Ok.

**[Keis \(WTANZ\):](#)** 19:56:57  
i'll dc ... brb

**Oliver Erlewein:** 19:57:12  
ok

**[Richard Robinson \(WTANZ\):](#)** 19:58:09  
@ oliver, whats the rake install cmd?

**Oliver Erlewein:** 19:58:15  
@Vish: Do you see google and the search working?

**[Keis \(WTANZ\):](#)** 19:58:31  
@Richard... earlier i tried gem install --remote rake

**Oliver Erlewein:** 19:58:49  
I thought rake was part of Ruby

**Oliver Erlewein:** 19:59:01  
but let me check

**[Thomas Recker:](#)** 19:59:02  
Ok, Safari is not officially supported so far.

**[Vishavdeep Sharma \(WTANZ\):](#)** 19:59:10  
yes, i see google page and search happening

**[Keis \(WTANZ\):](#)** 19:59:19  
i'm crossing my fingers... seems i'm not getting the prev error after i've reconnected

**Oliver Erlewein:** 19:59:27  
@Vish: Could be you're not using ruby 1.8.6?

**Oliver Erlewein:** 19:59:50  
@Keis: gem install is very quiet. always looks ominous

**Oliver Erlewein:** 20:00:33  
@Vish: It's not that critical. You could do a string comparison or something instead.

**[Marlena Compton \(WTANZ,AUS\):](#)** 20:01:11  
Now that I've taken jruby out of my path, looks like I have to reinstall cucumber. Wonder if there's other stuff I need to install.

**[Marlena Compton \(WTANZ,AUS\):](#)** 20:01:38  
"Building native extensions. This could take a while..." fills me with confidence.

- Oliver Erlewein:** 20:01:48  
Go to <http://weekendtesting.com/discussions?vasthtmlaction=viewtopic&t=146.0>
- Oliver Erlewein:** 20:01:59  
at the bottom are all the gems you'll need
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:03:03  
does watir ports for firefox,safari and others cause problems and not recommended ?
- [Keis \(WTANZ\):](#)** 20:03:24  
brb... gotta reconnect again
- [Thomas Recker:](#)** 20:03:50  
From the watir page:  
  
Experimental drivers  
There are several browser drivers that are usable, but not yet officially supported.  
Safari  
SafariWatir drives Safari on OS X.  
Chrome  
watir-webdriver (installation and usage) drives Chrome, but also Firefox and Internet Explorer.  
Other Browsers  
Experimental ports of Watir have been made for Opera and WebKit, although they have not been released yet.
- Oliver Erlewein:** 20:03:55  
@Vish: don't quite know. I have shyed away from using anything but IE6/7
- [Thomas Recker:](#)** 20:04:10  
I tried to move to Firefox and got the jssh error.
- [Thomas Recker:](#)** 20:04:39  
Not very satisfying.
- Oliver Erlewein:** 20:05:50  
@Thomas: If you solve that one let me know I can't fix that one either.
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:06:15  
Watir 1.6 ships with FireWatir, and my exp. has been to open a firefox window successfully
- [Thomas Recker:](#)** 20:06:19  
The jssh one or the Safari one?
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:06:42  
havnet played anyfurther, therefor was asking for inputs if some one else has explored it more and have some exp, to share
- Oliver Erlewein:** 20:06:49  
@Vish: This is on Mac
- [Thomas Recker:](#)** 20:06:53  
@Vish: Cool. Did you install the FF add on for Watir?
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:07:35  
I am Windows user, a it old fasioned compared to mac users <ss type="laugh">:D</ss>
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:08:43  
with Watir 1.6 u donot need to install any plugins on windows
- Oliver Erlewein:** 20:08:51  
Ok. So who do we have that successfully executed?
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:08:52  
to run FF
- [Frisco Del Rosario \(WTANZ, USA\):](#)** 20:09:00  
(y)

**Vishavdeep Sharma (WTANZ):** 20:09:15  
+1 for succ. execution

**Keis (WTANZ):** 20:10:00  
executed, but test failed. i'll try to shift to FF

**Richard Robinson (WTANZ):** 20:10:43  
rake --trace  
(in C:/Cucumber)  
rake aborted!  
no such file to load -- cucumber/rake/task <-- still getting this error

**Marlena Compton (WTANZ,AUS):** 20:10:46  
still installing stuff. A little frustrated but still going.

**Vishavdeep Sharma (WTANZ):** 20:11:16  
@richard, check ur rakefile in c:\cucumber

**Vishavdeep Sharma (WTANZ):** 20:11:30  
and not in c:\cucumber\cucumber

**Vishavdeep Sharma (WTANZ):** 20:11:51  
run rake from whcih ever directory the Rakefile is

**Richard Robinson (WTANZ):** 20:12:07  
(Y)

**Vishavdeep Sharma (WTANZ):** 20:12:11  
@Oliver, coming back to approach

**Richard Robinson (WTANZ):** 20:12:12  
did that, no luck

**Oliver Erlewein:** 20:12:17  
++Richard

**Vishavdeep Sharma (WTANZ):** 20:12:57  
when a scenario changes, what do u have to do find out which test cases have to change and how do u change them ?

**Oliver Erlewein:** 20:13:49  
@Vish: You're mixing up a few things there. What has changed? the scenario or the development behind it?

**Vishavdeep Sharma (WTANZ):** 20:14:04  
scenario

**Vishavdeep Sharma (WTANZ):** 20:14:27  
bit hard for me to think what can I change in the gogle srch scenario

**Vishavdeep Sharma (WTANZ):** 20:15:27  
but say A new preconditions is added like  
  
Given I am logged into google

**Oliver Erlewein:** 20:15:28  
The example is simple but if you had more search fields you could do another Given

**Oliver Erlewein:** 20:15:43  
Or different THENs

**Thomas Recker:** 20:16:27  
Go to the advanced search page check fields and enter data

**Oliver Erlewein:** 20:16:38  
for example

**Thomas Recker:** 20:17:01

Would be interesting to see how you deal with different UI elements

**Oliver Erlewein:** 20:17:11

You can have as many Given/when/then/and/... as you like in the steps file

**Oliver Erlewein:** 20:17:26

@Thomas: That's Watir and not Cucumber

**Vishavdeep Sharma (WTANZ):** 20:17:35

wouldn't then BA will have to change search.feature file and tester will have to change search\_steps.rb and any thing under that

**Oliver Erlewein:** 20:17:36

So sorry Marlena

**Marlena Compton (WTANZ,AUS):** 20:17:49

appears it is not my wtanz.

**Thomas Recker:** 20:17:49

@Vish: My words earlier on.

**Oliver Erlewein:** 20:17:55

@Vish: that depends what has changed

**Oliver Erlewein:** 20:18:19

Say the search field name would change from q to question'

**Oliver Erlewein:** 20:18:32

You'd need to change the line in the steps file.

**Oliver Erlewein:** 20:18:41

All scenarios would now use new code

**Oliver Erlewein:** 20:18:55

Say the web address of google would change

**Thomas Recker:** 20:19:02

Got it.

**Oliver Erlewein:** 20:19:02

then change the env.rb file

**Oliver Erlewein:** 20:19:26

If the Scenarios change that means you have just had a change of the app!

**Oliver Erlewein:** 20:19:37

That could be a next sprint.

**Vishavdeep Sharma (WTANZ):** 20:20:01

you cant avoid change in scenarios

**Oliver Erlewein:** 20:20:09

Depending on how you do it but either you'd do a new story or change the original story, which means change as per usual

**Oliver Erlewein:** 20:20:57

@Vish: but I do challenge that this is a Cucumber or story problem. It is a general IT issue and will have to be confronted whatever you use.

**Oliver Erlewein:** 20:21:14

Even in your library example the change is no less or more big

**Vishavdeep Sharma (WTANZ):** 20:21:42

I completely agree it is not a problem of Cucumber or any other tool

**Oliver Erlewein:** 20:21:56

It is what we always struggle with.

**[Vishavdeep Sharma \(WTANZ\):](#)** 20:22:06  
it is a real execution problem of IT projects

**Oliver Erlewein:** 20:22:10  
So the clue is to write good stories that are not too big

**Oliver Erlewein:** 20:22:22  
so that change is easy to manage. True Agile/Scrum style

**Oliver Erlewein:** 20:22:38  
@Vish: You ever done a Agile project?

**[Vishavdeep Sharma \(WTANZ\):](#)** 20:23:06  
hehehe, I wouldn't be asking these questions otherwise

**Oliver Erlewein:** 20:23:16  
Ok

**[Vishavdeep Sharma \(WTANZ\):](#)** 20:23:32  
and no one who has worked in Agile be shy of managing change

**Oliver Erlewein:** 20:23:53  
I do see the issue with writing stories but that is something for the Scrum Master to manage properly.

**Oliver Erlewein:** 20:24:51  
Ok folks. Starting to come to an end here. Can we do a quick collective Retrospective/Feedback on this session?

**Oliver Erlewein:** 20:25:16  
Seeing we have 5 min left i won't do a "roud table" so have at it.

**[Keis \(WTANZ\):](#)** 20:26:52  
lol... Find out why the test/scenarios were executing yet failing... they passed when i turned off Google Instant Search

**Oliver Erlewein:** 20:27:19  
hehe

**[Frisco Del Rosario \(WTANZ, USA\):](#)** 20:27:51  
I'm going to rewrite env.rb to launch Selenium instead of Watir. Will report.

**[Thomas Recker:](#)** 20:28:03  
Getting watir working with "my" Mac. Seems to work on others.

**[Marlena Compton \(WTANZ,AUS\):](#)** 20:28:18  
same here.

**[Keis \(WTANZ\):](#)** 20:28:18  
Thanks for the help btw... i finally got the setup to work. Crappy connection didn't help

**Oliver Erlewein:** 20:28:54  
@Frisco: Go to cukes.info, there's a lot of info on using Selenium too.

**Oliver Erlewein:** 20:29:11  
Cucumber is not only Watir. It can be hooked up to anything.

**[Marlena Compton \(WTANZ,AUS\):](#)** 20:29:12  
This has a lot of potential but hard to make an assessment with the configurations problems I experienced. Would like to see this working in a wiki setup instead of with ruby files.

**[Vishavdeep Sharma \(WTANZ\):](#)** 20:29:31  
Was good to see green lines and passing test cases, cucumber is good tool to write executable user stories/requirements.

IT teams have to bring more discipline and collaborate more to benefit from use a such a tools

**Oliver Erlewein:** 20:29:53  
@Vish: Totally agree.

- Oliver Erlewein:** 20:30:26  
There's also an advantage in Cucumber and that is because it uses rake it can be easily pasted into CI environments.
- Oliver Erlewein:** 20:30:33  
That makes Devs very happy
- [Marlena Compton \(WTANZ,AUS\):](#)** 20:30:35  
I'm now curious about Agile stories and acceptance criteria. The group I work with has room for improvement in this area. Something like this might help give us a bit more structure.
- Oliver Erlewein:** 20:30:51  
@Marlena: Indeed.
- Oliver Erlewein:** 20:31:05  
Most people GET Gherkin once you've shown them
- Oliver Erlewein:** 20:31:10  
that's the first step
- [Marlena Compton \(WTANZ,AUS\):](#)** 20:31:44  
I've been told that acceptance tests are for consultants but I don't think that's the only situation where it is useful.
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:32:04  
CI = Continuous Integration ?
- Oliver Erlewein:** 20:32:17  
@Vish: yes
- Oliver Erlewein:** 20:32:39  
@Marlena: Acceptance Criteria! NOT tests
- Oliver Erlewein:** 20:33:07  
Acceptance means that you describe what needs to happen to prove your story has been correctly implemented
- [Marlena Compton \(WTANZ,AUS\):](#)** 20:33:11  
Apparently something I should look into for my team.
- [Marlena Compton \(WTANZ,AUS\):](#)** 20:33:48  
So that is what is used for "done"
- Oliver Erlewein:** 20:34:46  
yes
- Oliver Erlewein:** 20:34:48  
Ok folks....it was fun and the next session will be in 4 weeks from now. Keep your eyes on weekendtesting.com for more info.
- [Vishavdeep Sharma \(WTANZ\):](#)** 20:35:12  
@Marlena,IMO what defines "done" for u is acceptance criteria for a story
- Oliver Erlewein:** 20:35:19  
I need to get back to my better half and rescue the weekend after I spent it all working.
- Oliver Erlewein:** 20:35:32  
@Vish: exactly.
- [Marlena Compton \(WTANZ,AUS\):](#)** 20:35:33  
Volunteers to blog this session?
- Oliver Erlewein:** 20:36:01  
I've already done a minimum entry on weekendtesting.com. Will be released later today