

# Scala ITR

Inspiring Tech Rally



# Agenda

9:00	Introduction
9:30	Exercises
12:30	Lunch
13:00	tweetview
16:30	Discussion
17:30	Drinks

# Morning Exercises

- I. Basic Scala
- 2. The Almighty List
- 3. A Scala Twitter API

About 45 minutes per exercise About 15 minutes show and tell

We probably have too many exercises... but you never know:)

# Setup (I)

- All exercises on GitHub
  - web: <a href="http://github.com/sgrijpink/ScalaITR">http://github.com/sgrijpink/ScalaITR</a>
  - git clone git://github.com/sgrijpink/ScalalTR.git
  - For sharing / pairing:
    - Fork on GitHub
    - Ask Sjors how to give users commit rights
    - SVN (last resort)



# Setup (2)

- Each exercise is a mvn/eclipse project
- Start with the failing unit test
  - It's ok to temporarily comment out some tests to concentrate on another one:)
- Make it work
- Solutions are available in separate projects

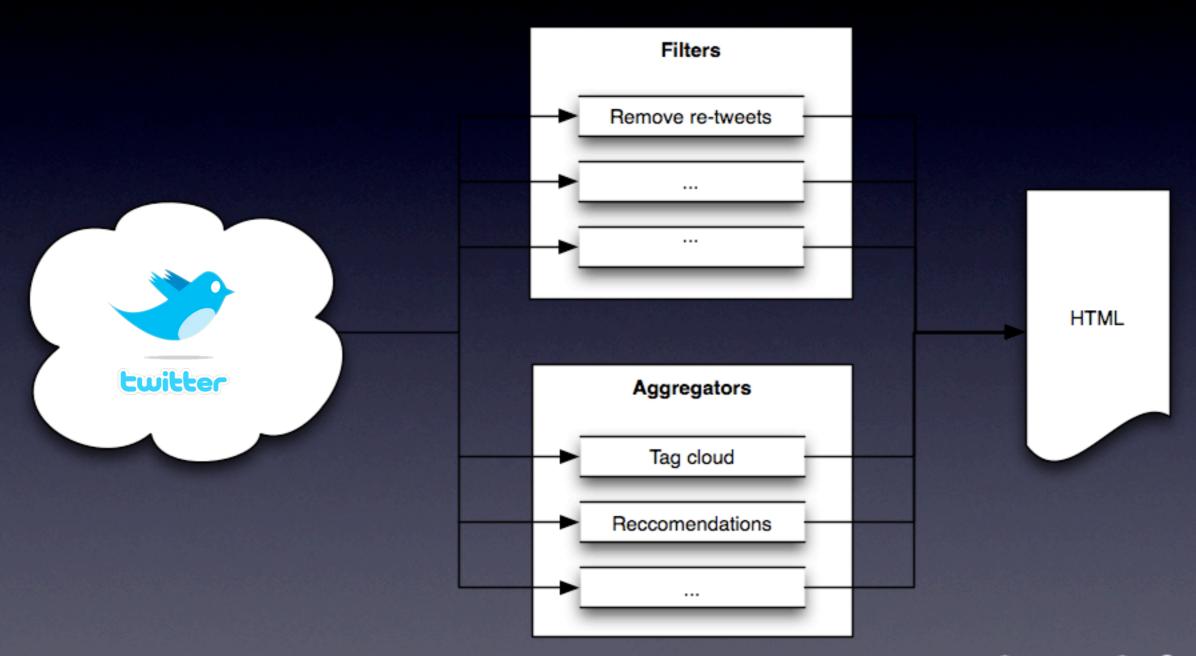


## Have Fun!

But try to concentrate on Scala:)

git clone git://github.com/sgrijpink/ScalaITR.git

# Tweetview (afternoon)





## Tweetview

- Lift application
- maven jetty:run
- Placeholders for filters

DEMO



## Tweetview

- Lift application
- maven jetty:run
- Placeholders for filters



Many thanks to Arjan

DEMO



### http://localhost:8080

- Show public timeline
- Show user timeline
- login
  - via page
  - via properties
- apply filters

#### tweetview Home Profile Find People Settings Help Sign out sgrijpink Twitter timeline Jonas Bonér Congrats #Terracotta and @ikarzali @puredanger @gbevin @sharrissf and the rest of the team. following followers tweets Great news. Tue Aug 18 12:49:15 +0000 2009 No Filter Stephen Fry Another miniblog: http://bit.ly/FjrYX Tue Aug 18 12:43:26 +0000 2009 Retweet filter Your filter 1 Debasish Ghosh RT @puredanger Terracotta acquires Your filter 2 Ehcache! Greg Luck's blog: http://bit.ly/2M6IFK My blog: http://bit.ly/15DIHJ Tue Aug 18 12:35:12 +0000 2009 Stephan Schmidt RT @puredanger: Terracotta acquires

Ehcache! Greg Luck's blog: http://bit.ly/2M6IFK My blog:

Stephan Schmidt True Flow neither knows pull nor push

Jonas Bonér RT @puredanger: Terracotta acquires Ehcache!

Jonas Bonér LOL. RT @codemonkeyism: What I also like: consultants who try to bury you under buzzwords if they

Stephan Schmidt What I also like: consultants who try to bury you under buzzwords if they haven't got an answer.

Stephan Schmidt One of my most important posts RT @codemonkeyism Rails, Scrum, CMMI and Survivor Bias

Marketing + Geekery http://bit.ly/3yYoY3

Stephan Schmidt RT @asmartbear Guest Login - Startups +

Greg Luck's blog: http://bit.ly/2M6IFK My blog:

http://bit.ly/15DIHJ Tue Aug 18 12:10:16 +0000 2009

http://bit.ly/15DIHJ Tue Aug 18 12:08:56 +0000 2009

Love it!

Tue Aug 18 12:09:09 +0000 2009

haven't got an answer. Love it! Tue Aug 18 11:46:40 +0000 2009

Tue Aug 18 11:36:13 +0000 2009

Tue Aug 18 10:50:35 +0000 2009

http://bit.ly/1wlWs4 Tue Aug 18 11:04:49 +0000 2009



## Filters

- Retweet filter
- Around you filter
- Active filter\* (bot)
- timeline
  tweet
  tweet

  tweet

  tweet

  tweet

  tweet

  tweet

  tweet

  tweet

  tweet

  tweet

  tweet

  tweet
- Suppress dominant people
- Only show tweets:
  - (not) containing certain words
  - (not) in a certain language

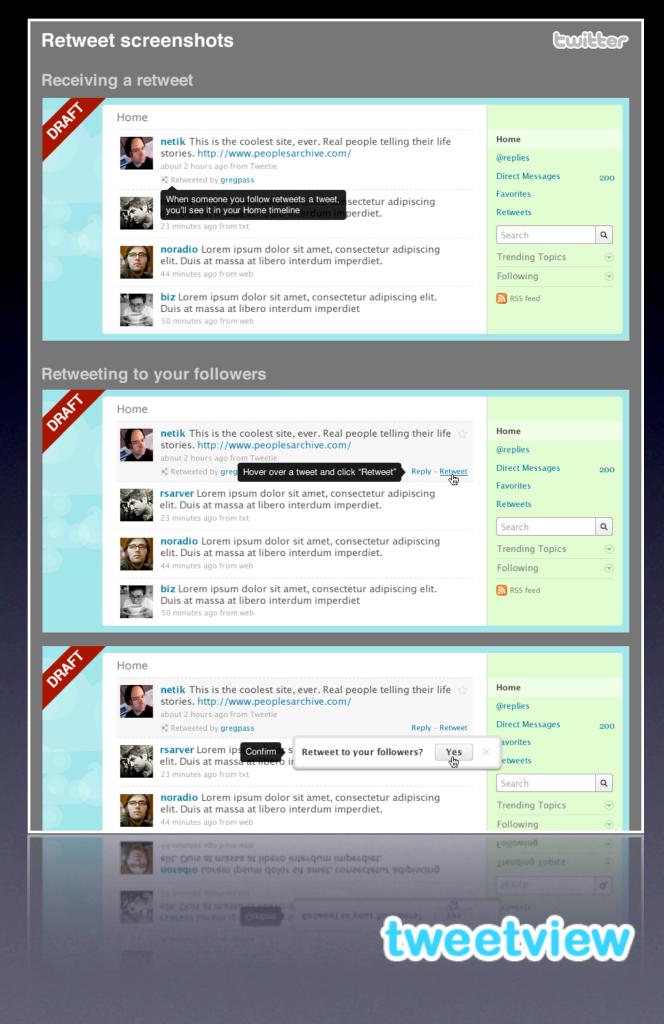


### Retweet filter

New Twitter supported functionality

#### currently:

- RT @source: text
- text (via @source)



## Retweet filter

Basic Version: filter out the duplicate RTs

#### **tweetview**

Home Profile Find People Set

#### Twitter timeline



Jonas Bonér Congrats #Terracotta and @ikarzali @puredanger @gbevin @sharrissf and the rest of the team. Great news.

Tue Aug 18 12:49:15 +0000 2009



Stephen Fry And Landing Hittp://

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asmartbear RT - Guest Login - Startups + Marketing +
Geekery http://bit.ly/3yYoY3

Tue Aug 18 10:50:35 +0000 2009



Stephen Fry Server back in business They were patching one of the clusters. Tsk. Sorry about that. Miniblog post http://is.gd/2mBvl

Tue Aug 18 10:41:14 +0000 2009



codemonkeyism RT - 7 Signs not to Work for a Software Company or Startup http://bit.ly/y96lS



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## Retweet filter

Second Version: Add "retweeted by" to retweets

#### **tweetview**

Home Profile Find People Set

#### Twitter timeline



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Retweeted by gregpass Stephan Schmidt



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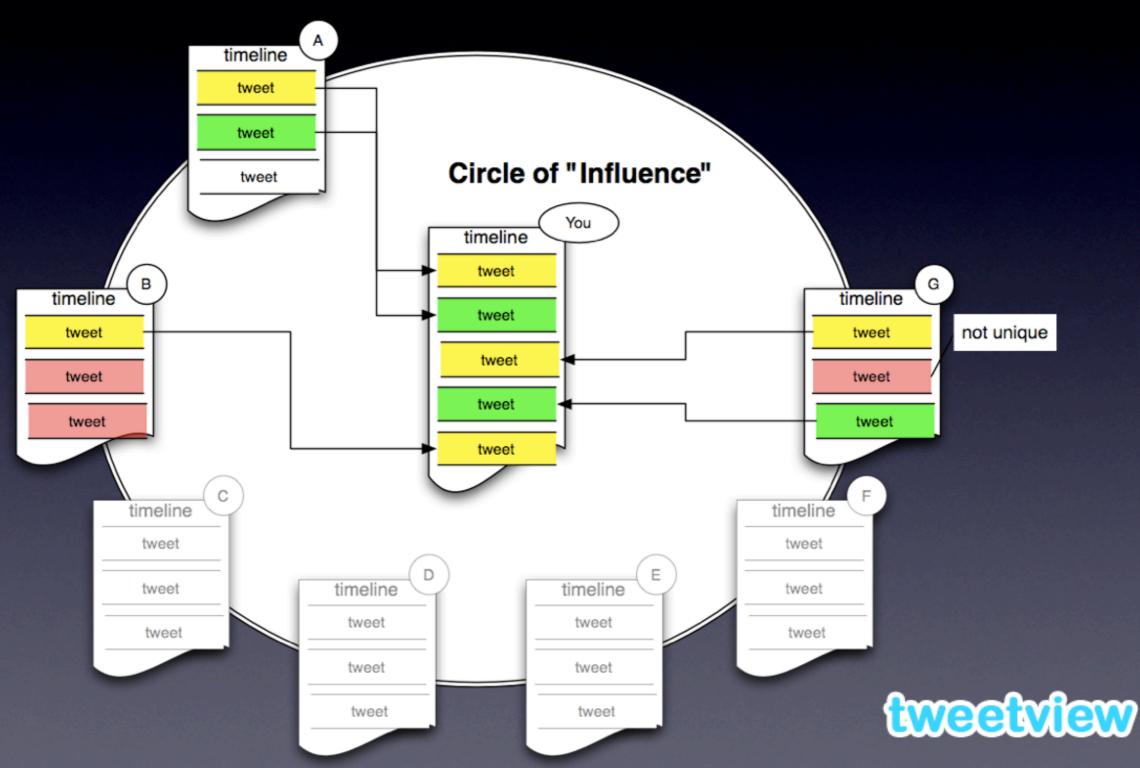


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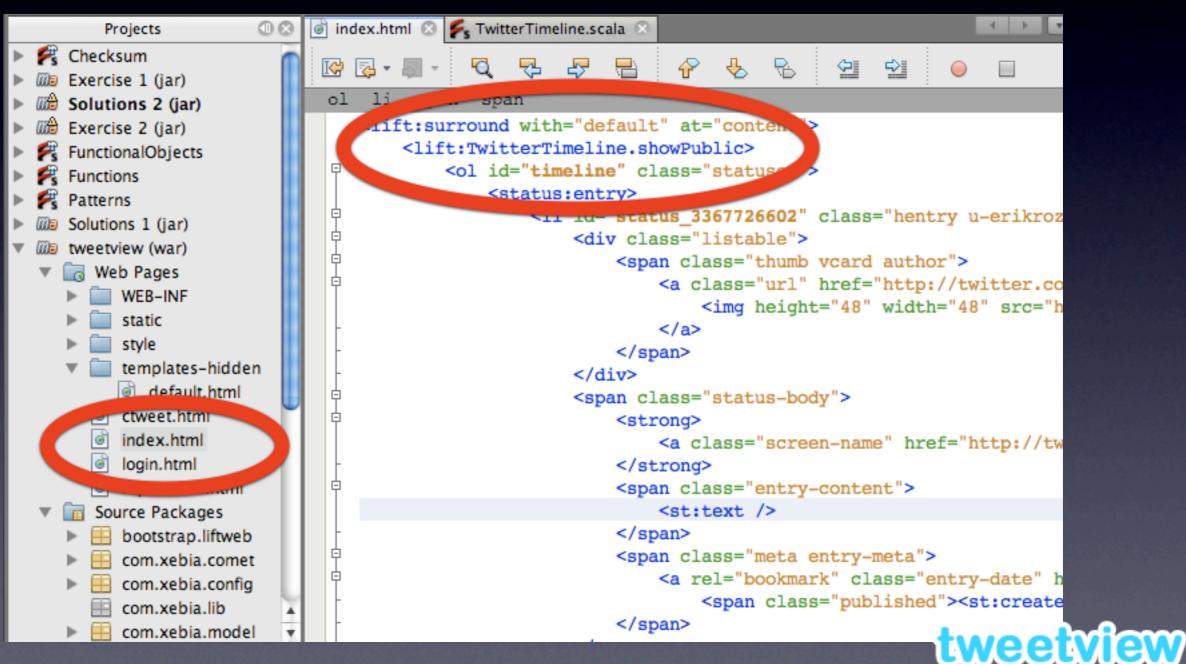
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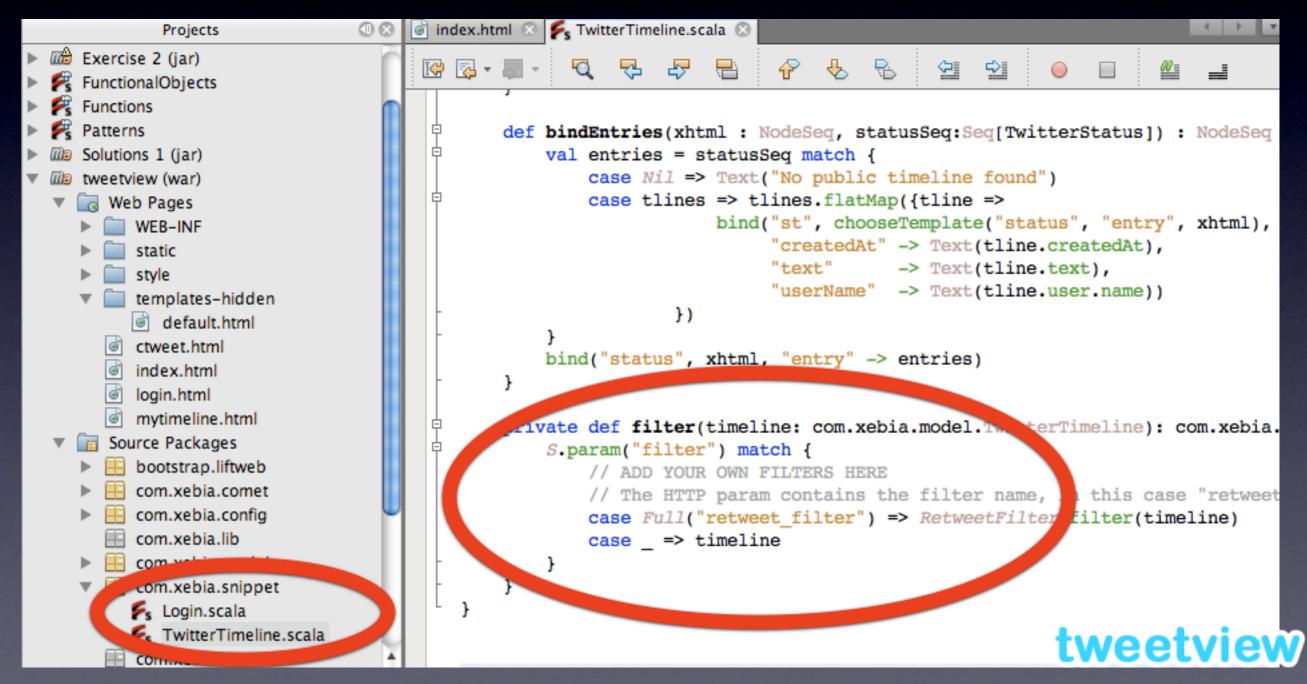
# Around you filter



# Tweetview filter Implementation (I)



# Tweetview filter Implementation (2)



# Aggregators

- Recommend people to follow
- Top 10 words in Circle of Influence
- Top 10 hash-tags in Circle of Influence
- Top 10 active twitterers (people who twitter)
- Top 10 constant twitterers
- Top 10 decreasing active twitterers
- Top 10 increasing active twitterers



# It's about Scala:)

