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**quick update ... yes we can ... and is almost done ...**

12 messages

**Giulio Antoniol** <giulio.antonio1@gmail.com>

9 March 2017 at 19:17

To: Cédric Noiseux <cedric.noiseux@polymtl.ca>, Massimiliano Di Penta <dipenta@unisannio.it>, Fiorella Zampetti <fiorellazampetti@gmail.com>, Foutse Khomh <foutse.khomh@polymtl.ca>

Ciao

almost there ... I wrote a simple (1) srcml Java visitor this allows me to 1) extract and separate comments at method level (including preceding comments) 2) identify method begin and end and thus size; 3) extract a set of simple method level metrics and 4) get out method body.

Metrics are very simple for now, number of parameters, comments, declarations, expression, McCabe ...

Tomorrow I will reparse the newly created files to 1) associate methods with satd and 2) compute readability at method level.

I decided to split the task in 2 since running a java is not fast and while I compute readability I can associate methods with satd ...

stay tuned ...

Giulio

**Foutse Khomh** <foutse.khomh@polymtl.ca>

9 March 2017 at 20:01

To: Giulio Antoniol <giulio.antoniol@gmail.com>, Cédric Noisieux <cedric.noisieux@polymtl.ca>, Massimiliano Di Penta <dipenta@unisannio.it>, Fiorella Zampetti <fiorellazampetti@gmail.com>

Nice!  
:)

## Foutse

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**Massimiliano Di Penta** <dipenta@unisannio.it>

10 March 2017 at 02:58

To: Foutse Khomh <foutse.khomh@polymtl.ca>

Cc: Giulio Antoniol <giulio.antonio1@gmail.com>, Cédric Noisieux <cedric.noisieux@polymtl.ca>, Fiorella Zampetti <fiorellazampetti@gmail.com>

Quick updates from our side

- we're going to send the survey invitation this morning
- it seems that static analysis tools play some role (more later)..

best  
Max

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ASE 2017 - 32nd IEEE/ACM International Conference on Automated Software Engineering  
October 30 to November 3, 2017, Urbana Champaign, IL, USA - <http://ase2017.org>

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**Cedric Noisieux** <cedric.noisieux15@gmail.com>

10 March 2017 at 10:25

To: Massimiliano Di Penta <dipenta@unisannio.it>

Cc: Foutse Khomh <foutse.khomh@polymtl.ca>, Giulio Antoniol <giulio.antonio1@gmail.com>, Cédric Noisieux <cedric.noisieux@polymtl.ca>, Fiorella Zampetti <fiorellazampetti@gmail.com>

Hi,

I sent the survey earlier this week to all the developers that were active on the 9 systems. I got around 10 responses dating from yesterday. But for some reason now I only see 2 responses. It seems like we lost these responses. I'll try to see if I can get them back.

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Cédric Noisieux

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**Giulio Antoniol** <giulio.antonio1@gmail.com>

10 March 2017 at 10:26

To: Cedric Noisieux <cedric.noisieux15@gmail.com>

Cc: Massimiliano Di Penta <dipenta@unisannio.it>, Foutse Khomh <foutse.khomh@polymtl.ca>, Cédric Noisieux <cedric.noisieux@polymtl.ca>, Fiorella Zampetti <fiorellazampetti@gmail.com>

auch ...

giulio

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**Foutse Khomh** <foutse.khomh@polymtl.ca>

10 March 2017 at 10:32

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**Giulio Antoniol** <giulio.antonio1@gmail.com>

10 March 2017 at 10:40

To: Cedric Noiseux <cedric.noiseux15@gmail.com>

Cc: Foutse Khomh <foutse.khomh@polymtl.ca>, Fiorella Zampetti <fiorellazampetti@gmail.com>, Cédric Noiseux <cedric.noiseux@polymtl.ca>, Massimiliano Di Penta <dipenta@unisannio.it>

auf ... that's a really good news!

giulio

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**Fiorella Zampetti** <fiorellazampetti@gmail.com>

13 March 2017 at 17:47

To: Giulio Antoniol <giulio.antonio1@gmail.com>

Cc: Cedric Noiseux <cedric.noiseux15@gmail.com>, Foutse Khomh <foutse.khomh@polymtl.ca>, Cédric Noiseux <cedric.noiseux@polymtl.ca>, Massimiliano Di Penta <dipenta@unisannio.it>

Hi Everybody,

in the attached files you can find results of different machine learners on the whole set of features we have at class level.

MLs within projects seems better than those across projects obtained training on 8 systems and testing on the remaining one.

Tomorrow i will start to work at method level.

Cheers

Fiorella

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## 2 attachments

 **MLsatdAllDataCrossProject.xlsx**  
47K

 **MLsWithinProjectAllData.xlsx**  
49K

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**Fiorella Zampetti** <fiorellazampetti@gmail.com>

15 March 2017 at 10:03

To: Giulio Antoniol <giulio.antonio1@gmail.com>

Cc: Cedric Noiseux <cedric.noiseux15@gmail.com>, Foutse Khomh <foutse.khomh@polymtl.ca>, Cédric Noiseux <cedric.noiseux@polymtl.ca>, Massimiliano Di Penta <dipenta@unisannio.it>

Hi Everybody,

in the attached file you can find results at method level, within project, using different MLs. In each sheet there is also the percentage of satd respect to the whole dataset we have (since, not surprisingly, results are better on those systems which have high percentage of satds).

In the mean time we will do a kind of pruning on the set of features we have even if this will give us few improvements.

Cheers

Fiorella

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**MLsWithinProjectMethods.xlsx**

49K