Do you know your browser?

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Objectives

• Present the results of a survey on the Pharo browser
• Let you take away at least one browser feature that you did not know
About me

1988 2003 2023

Recent posts
- The Pharo Browser Survey results are in! 31 August 2023
- Pharo Browser Survey 11 June 2023
- 25 years without Smalltalk 24 May 2023

About me
Hi, my name is Theo De Hoogh. I am using Smalltalk since 1989. First as a student, then as an academic researcher, and then in industry. I'm the creator and the early editor of SmalltalkJourneys.com. In that time frame, I presented at Smalltalk conferences around the world. In 2023, I marked this blog which being away from the Smalltalk community for 30 years.

https://all-objects-all-the-time.st

https://yesplan.be
Pharo Browser Survey

✨ Pharo tip of the week ✨

When you want to remove the character before the insertion point, you use the Backspace key.

Did you know that you can press Shift-Backspace to remove the whole word before the insertion point?

✅ to say that you knew this feature
❌ to say that you did not know this feature

Used with permission from Tuple

Control-Backspace since Pharo 11
Pharo Browser Survey

63 respondents between 26 May and 3 August 2023

33 questions

Would you like automatic formatting of the source code on save? *

- Yes
- No
- Other...
About the respondents

**Smalltalk**
- Less than 2 years: 14%
- 2 - 5 years: 17%
- 6 - 10 years: 17%
- 11 - 15 years: 19%
- 16 - 20 years: 11%
- 21 - 25 years: 6%
- 26 - 30 years: 3%
- More than 30 years: 10%
- Too many this is embarrassing: 3%

**Pharo**
- Less than 2 years: 17%
- 2 - 5 years: 22%
- 6 - 10 years: 27%
- 11 - 15 years: 30%
- 16 - 20 years: 9%
- 21 - 25 years: 3%
- 26 - 30 years: 1%
- More than 30 years: 1%
- Too many this is embarrassing: 2%

**Capacity**
- Student: 25.4%
- Teacher: 12.7%
- Professional, on a daily basis: 46%
- Professional, but not on a daily basis: 19.3%
- Hobbyist: 14.3%
- Computer Scientist: 13.9%
- Interested: 11.1%
- Researcher: 10.5%
- Researcher, hacktivist: 9.7%

**Pharo version**
- Version 9: 34.9%
- Version 10: 20.6%
- Version 11: 14.3%
- Version 12: 19%
- Pharo 8: 11.9%
- The version of the MOOC: 9-12
- Various, because sometimes platforms like Moose are not stable in the latest version: 13.5%
- Version 9 and 11: 13.5%
- Glamorous Toolkit and Pharo 9 and 10: 9.7%
Do you use the info indicated in red?
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?
at: firstKey
at: secondKey
ifAbsentPut: aZeroArgBlock

"Return the object stored in the second dictionary at secondKey. The second dictionary is accessed via the key firstKey. If firstKey is not defined, set a new dictionary for the secondKey and set the value of aZeroArgBlock execution. If firstKey is defined and not secondKey set the value of aZeroArgBlock execution. See NestedDictionaryTest for examples."

subDictionary := self at: firstKey ifAbsentPut: [ self species new ].

subDictionary at: secondKey ifAbsentPut: aZeroArgBlock
Do you use the tools indicated in red?

Tip

Shortcuts:
Option-Left
Option-Right
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?
Do you use the tool indicated by the red arrow?

Point>>>#x
Summary

```
at: firstKey at: secondKey ifAbsentPut: aZeroArgBlock
"Return the object stored in the second dictionary at secondKey. The second dictionary is accessed via the key firstKey. If firstKey is not defined, set a new dictionary for the second key and set the value of aZeroArgBlock execution. If firstKey is defined and not second key set the value of aZeroArgBlock execution. See NestedDictionaryTest for examples."
```

```c
| subDictionary |
| subDictionary := [: at: firstKey ifAbsentPut: [ sel: species new ]].

```

```
9.5% 22.2% 38.1%
30.2% 12.7% 19% 30.7%
```

```
15.9% 25.4% 49.2%
```

Legend:
- Often
- Sometimes
- Never
- I don't know what that is for
Do you use Cmd-Shift-R and Cmd-Shift-L to indent and outdent lines?
Do you use Cmd-2 to widen the current selection?
Observations (1)

Some browser tools are not used by many Pharo developers

- Add use cases to the documentation?
- Move them from the browser to the settings?
Observations (2)

Some keyboard shortcuts are not known by Pharo developers

- No documentation
- Non-standardised shortcuts
- Lost in history
<table>
<thead>
<tr>
<th>Element</th>
<th>Command-Click</th>
<th>Command-Shift-Click</th>
</tr>
</thead>
<tbody>
<tr>
<td>Message</td>
<td>Browse implementors</td>
<td>Browse senders</td>
</tr>
<tr>
<td>Class name</td>
<td>Browse class</td>
<td>Browse class references</td>
</tr>
<tr>
<td>Instance or class variable</td>
<td>Browse variable references</td>
<td>Browse variable references</td>
</tr>
</tbody>
</table>
Double click a method source tab to expand it in the browser
Double click again to collapse
Extra Tip

Command-S in browser
That’s all for now!

All results
More on browsers

https://all-objects-all-the-time.st