

My journey in FOSS with Pharo and FOSSASIA

Jigyasa Grover



About Myself

- Student Developer, Google Summer of Code at FOSSASIA
- Mentor, Google Code In at FOSSASIA
- Pharo 4.0, Smalltalk IDE Development Contributor and Content Writer
- Platform Developer, Program Organizer & Python (PyGame) Mentor, Learn IT, Girl ! Edition 2
- Director, Women Who Code Delhi
- Lead, Google Women Tech Makers New Delhi
- Junior Student(3rd Year), Bachelor of Technology, Computer Science and Engineering, Delhi Technological University (formerly known as Delhi College of Engineering)

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What FOSS means to me ?

How did I get into Open Source development ?

- FOSS = Free and Open-Source Software
- Licensed to be free to use, modify, and distribute
- Simple access to source
- Easy tweaking and experimenting
- Effortless code-sharing
- Co-operative community

- Coming in touch with FOSSASIA via mailing list and IRC
- The word 'Pharo' caught my fancy

Hence began my journey with Pharo and FOSSASIA.....

Kicking Off with FOSS

Join the
community
(IRC, Forums,
Mailing Lists
....)

Suggest features

Contribute to documentation

Report & Fix issues

Review bug fixes

Translate to local language

Help with design

Donate

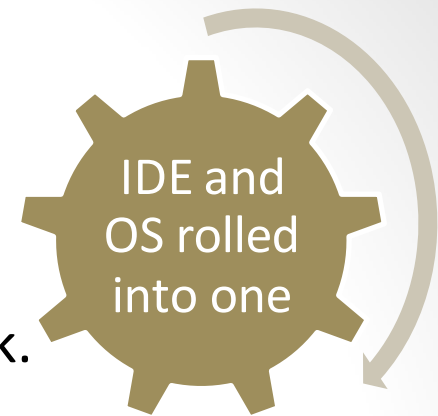
Google Summer of Code 2015.

Pharo and FOSSASIA

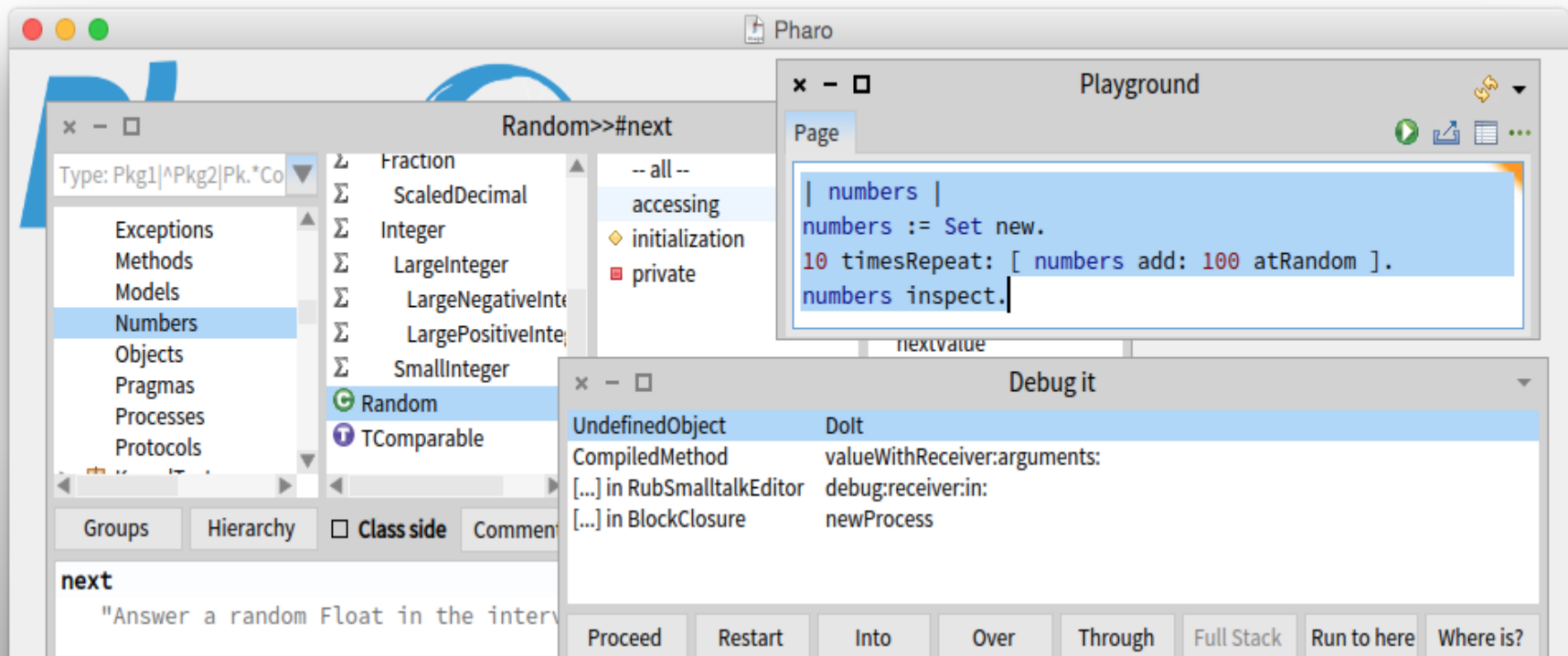
- ✓ Google Summer of Code (GSoC) is an international annual program; Chance to work on exciting open source technologies
- ✓ Development in collaborative environment – Exponential growth as well as a fun learning experience
- ✓ Worked with FOSSASIA, A non-profit organization supporting developers and makers of Free and Open Source technologies
- ✓ Aims to develop and adapt open technologies for social change with a focus on Asian users.
- ✓ Projects range from open hardware, to design, graphics and software. FOSSASIA offers resources to projects and organizes an annual Open Technology event for students, developers and start ups.

What is Pharo ?

Pharo is an open source implementation of the programming language and environment Smalltalk.



Pharo is a pure object-oriented programming language and a powerful environment, focused on simplicity and immediate feedback.



Simple & powerful language

No constructors, no types declaration, no interfaces, no primitive types. Yet a powerful and elegant language with a full syntax fitting in one postcard!
Pharo is objects and messages all the way down.

Virtual Machine

Pharo relies on a virtual machine that is written almost entirely in Smalltalk itself.

Amazing debugging experience

The Pharo environment includes a very interactive debugger unlike anything ever seen before. It allows to step through code, restart the execution of methods, create methods on the fly, and much more!

Feel a live environment

Feel the joy of having immediate feedback at any moment of your development: Developing, testing, debugging.
Even in production environments, one will never be stuck in compiling and deploying steps again!

Hot Recompilation

Means '*Edit & Continue*' i.e. editing the code, recompiling a specific part of the executable and running it without restarting the program

Pharo is yours

Pharo is made by an incredible community, with more than 80 contributors for the last revision of the platform and hundreds of people contributing constantly with frameworks and libraries.

Slack: pharoproject.slack.com

IRC: [#pharo](#)

Forum: forum.world.st/Pharo-Smalltalk-Developers

searchQuick

sQuick is intended to build an application to enable a user to research a set of books or texts, like an encyclopaedia, or some other topical book collection offline.

sQuick consists of some essential elements such as:

- ✓ Organizing unstructured information
- ✓ Preparing and storing information
- ✓ Browsing Files
- ✓ Finding and searching information to satisfy user's need.
- ✓ Help/Tutorial section
- ✓ Feedback

Link: github.com/jig08/sQuick_new



FEATURES & FUNCTIONALITIES

- ✓ Search phrases and read documents listed in the search-results using a simple, distraction free interface.
- ✓ Browse list of included documents.
- ✓ Display list of file names as Search results
- ✓ Save/print search results as a report.
- ✓ Handle multiple languages, and support cross-referencing the same document in another language.
- ✓ Open distribution



- Designing of GUI using Morphic

- Retrieval of user input

- Configuration and Baseline Build

- File accession

- Content Browsing

- Indexing of content

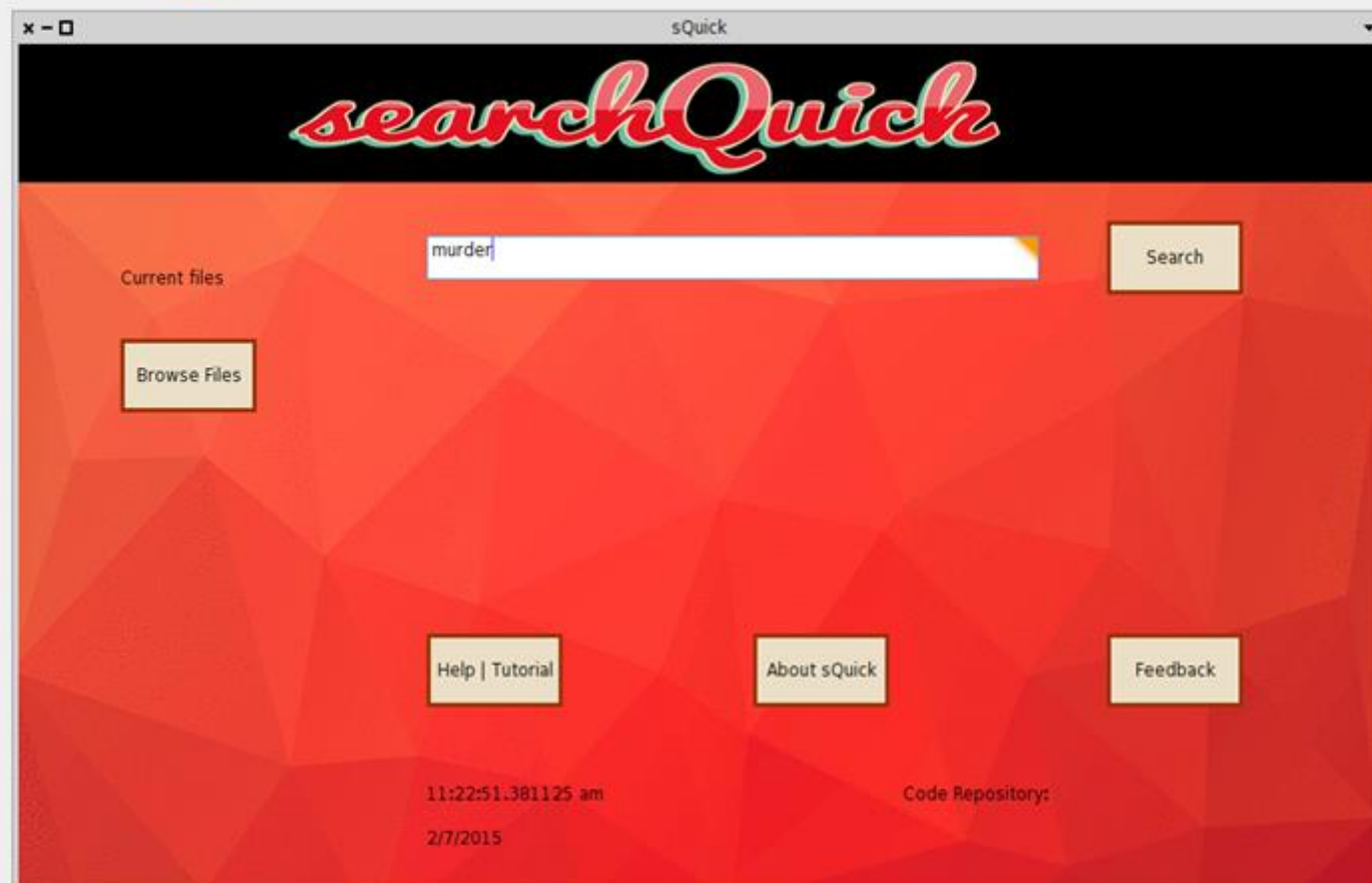
- Build of Search Query

- Design of Test Cases

- Display of Search Results

- Loading of Text Collection

sQuick Walk Through



sQuick Walk Through



searchQuick

SEARCH RESULTS for "ot"

File 3

Cocoa And Chocolate

What is Pharo ?

Make Your Camera Pay

File 1

Murder in the Gunroom

COCOA AND CHOCOLATE

Their History from Plantation to Consumer

By

ARTHUR W. KNAPP
B. Sc. (B'ham.), F.J.C., B. Sc. (Lond.) Member of the Society of
Public Analysts; Member of the Society of Chemical Industry; Fellow
of the Institute of Hygiene. Research Chemist to Messrs. Cadbury
Bros., Ltd.

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Back

sQuick

Thank You !

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