GDG Cairo - GSoC 2014 Awareness Program

Overview and 2014 Objectives

Keeping up with the momentum of last year, when 11 Egyptian students have been accepted in GSoC 2013 program, we are willing to start this year's program earlier and offer more in-depth sessions and events.

We suggest an initial format for this year program in this document. We think about it this year in a format that resembles online courses for closed group of interested students, with videos, assignments and feedback. The next section suggests a set of topics and expected number of sessions to cover each topic. Accordingly, we expect volunteers from GSoC alumni to give these sessions. On the other hand we shall provide a communication platform for highly interested students to attend these sessions and interact asking their questions and providing their feedback.

Topics tentative

Welcome to GSoC 2014

One session

- An introductory session giving general overview about GSoC
- Statistics about participating organizations, students, countries, languages used, stipends.
- http://en.flossmanuals.net/gsocstudentguide/
-

Warm your cold feet into open-source with Git

~5 sessions

- Hands-on downloading source code, building, running it, playing with software
- Repeating a reported bug, injecting your own feature/bug and seeing !
- Forking, Patches and pull-requests to public repos
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Unusual & Infamous Communication channels used by FOSS geeks IRC, mailing-lists, wikis

~3 sessions

- Grand grand grand father of instant messaging, IRC
- Reading through an overwhelming mailing-list
- Finding your way through a wiki
- Publishing your own page on a wiki - your progress
- Blog, GDrive web folder, github pages .. just to name a few .. as a way to show your profile - and your progress when accepted!

Writing a proposal that "doesn't rock" but just wins

~8 sessions

- Parallel track that might be given along with other tracks
- Showing your previous work
- Describing your way to solve the problem or finish the project
- Importance of feasible Timeline
- Transparency about your exams and study schedule
- Time for testing as well as documentation
- Brief and concrete are the key
- DOs and DON'Ts

Prototyping and Mock-ups

~2 sessions

- How to build a mockup for your project or similar project
- Importance of prototyping
- What to focus on when prototyping - what is basic functionality

The highway to open-source community: Bug fixes!

~3 sessions

- Mainly a hands-on track for the students
- Encourage some initial bug fixes
- Choose simple bugs to fix and even discuss high-level possible solutions
- May even choose old bugs to get the idea
- Run tests before and after the bug fix
- Unit testing and how to detect bugs or validate bug fixes
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Organizations & Projects, how to choose among them

~3 sessions

- KDE, GNOME, Joomla, Wordpress
- Other interesting organizations, wikis and their GSoC projects
- 1000s of projects to choose from
- Communication with Mentors

C/C++ for GSoC students - not dummies

~5 sessions

- An introduction to C/C++

Ruby for GSoC students - not dummies

~5 sessions

- An introduction to Ruby

PHP for GSoC students - not dummies

~5 sessions
- An introduction to PHP

Schedule

We plan to start our first session next Friday 7th of March 2014.
Then according to the availability of the volunteers we shall schedule these sessions before 21st of March hopefully to catch the VERY SOON application deadline!