This page is an open list for ideas related to Pardus for the 2010 edition of Google Summer of Code.

Our application template can be found here.

Timeline:

March 18 - 29: Would-be student participants discuss application ideas with mentoring organizations.

March 29: ~12 noon PDT / 19:00 UTC Student application period opens. [at Google]

April 9: Student application deadline

Mailing list and IRC:

You can ask more detailed questions about projects to our GSoC list: [1]

We're also on IRC: **#pardus-devel** in Freenode network. Just drop in and feel free to ask your questions.

Google's Summer of Code IRC channel is **#gsoc** in Freenode.

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Project Ideas

Improving Accessibility Support in Pardus

Description: Improved Accessibility Support for easing the use of Pardus by disabled people. This project aims to integrate common accessibility tools (e.g. Orca, Fire Vox, Linux Screen Reader, KTTSD/KTTSmgr, etc.) into the KDE desktop environment used in Pardus.

Requirements: Experience with Qt/GTK toolkits. PiSi Packaging knowledge is a plus.

Mentors: Gökmen Göksel, Renan Çakırerk

Resources:

- http://accessibility.kde.org/developer/kttsd

- http://live.gnome.org/Orca
- http://en.pardus-wiki.org/Making_Pisi_Packages

Pardus User Restriction Panel

Description: An easy to use graphical user interface in which admins can set restrictions to other accounts such as web filtering (restricting access to specified web sites and also recommending web sites to block), login scheduler (only allowing the user to login at a specified time interval and automatically logoff the user), allowing only specific programs to access the web and send mails. The Parental Control daemon should log user actions might also listen and ban specific keywords in conversations, web sites and emails.

Requirements: Knowledge and experience with KDE, Python or C++ and Qt. Knowledge of a version control systems and firewalls is also required.

Mentors: Onur Küçük, Renan Çakırerk

Resources:

- http://api.kde.org
- http://doc.trolltech.com/4.5/index.html

Snapshot and Monitoring Tool for KDE4 Settings

Description: A Graphical User Interface in which users can simply backup and restore KDE applications' configuration files. This will help users who accidentally lose or corrupt their configuration files which cause several native KDE technologies and applications to fail like a disappearing panel or loss of accounts informations in KMail/Kopete, etc. Also, this user interface will show which setting(s) of the KDE applications change which options when, like a source control system.

Requirements: Knowledge and experience with KDE, Python or C++ and Qt. Knowledge of a version control system is also required.

Mentors: Gökçen Eraslan, Gökmen Göksel

Resources:

- http://api.kde.org
- http://techbase.kde.org/Development/Tutorials#Managing_Configuration_Data_With_KConfig
- http://doc.trolltech.com/4.5/index.html

System-wide Backup and Iso Creation Tool

Description: Automatic ISO image creater that will create a snapshot of the running system using distribution tools, that will allow users to create an Installation or Live ISO of a selected state of the system.

Requirements: Knowledge and experience with GNU/Linux, Python.

Mentors: Onur Küçük

WUBI-like Microsoft Windows installer for Pardus

Description: A simple Microsoft Windows installer which will install a choosen Pardus release on a virtual disk image file and add the corresponding bootloader entry which will allow users to use/preview/test Pardus without modifying their partition table.

Requirements: Knowledge of Microsoft Windows Technologies (API, Registry, etc.) and experience with one of the modern Graphical User Interface API's.

Mentors: Renan Çakırerk, Gökmen Göksel

Resources:

- http://wubi.sourceforge.net/
- http://wubi-installer.org/faq.php
- https://wiki.ubuntu.com/WubiGuide
- https://launchpad.net/lupin

Installation Support for Pardus Live CD

Description: Pardus Live CD currently doesn't have an installation option. The purpose of this project is to create such a Live CD that can also install Pardus on a hard drive on demand. Modifications on YALI and Pardusman are required mostly.

Requirements: Python, Qt. Additionally, a brief knowledge on Pardus boot sequence, Pardus technologies (pisi, YALI) and Linux file systems is a plus.

Mentors: Mete Alpaslan

Mentors

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