Summer Of Code 2009

Introduction

OpenMRS is proud to be participating as a mentoring organization for Google Summer of Code™ for 2009. We've enjoyed participating in this great program in the last few years and look forward to GSoC 2009 being the best year yet!

Projects

The following projects were chosen for OpenMRS internships (Google Summer of Code or OpenMRS Internship Program 2009).

<table>
<thead>
<tr>
<th>Project</th>
<th>Student</th>
<th>Primary Mentor</th>
<th>Backup Mentor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WYSIWYG Form Designer for Html Form Entry Module</td>
<td>João Portela</td>
<td>Darius Jazayeri</td>
<td>Daniel Futerman</td>
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<tr>
<td>Integrate Quartz Scheduler into OpenMRS</td>
<td>Dilupa Munindradasa</td>
<td>Justin Miranda</td>
<td>Vibha Anand</td>
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<td>Serialization Service</td>
<td>Lu Zhuang Wei</td>
<td>Ben Wolfe</td>
<td>Daniel Kayiwa</td>
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<td>Longitudinal Data Review (Discrete Data Flowsheet) Module</td>
<td>Omar Verduga</td>
<td>Paul Biondich</td>
<td>Maros Cunderlik</td>
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<td>Global Property Types</td>
<td>Pavel Konnikov</td>
<td>Dave Thomas</td>
<td>Justin Miranda</td>
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<tr>
<td>Data Synchronization, Create New Sync Node</td>
<td>Antoine Nzeyimana</td>
<td>Maros Cunderlik</td>
<td>Ben Wolfe</td>
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<tr>
<td>Role-based home page</td>
<td>Harshini Gudiwada</td>
<td>Saptarshi Purkayastha</td>
<td>Darius Jazayeri</td>
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<tr>
<td>Audit Module (Data Integrity Module)</td>
<td>Nimantha Baranasuriya</td>
<td>Brian McKown</td>
<td>Mike Seaton</td>
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<tr>
<td>Video Upload and Review From Mobile Phones</td>
<td>Katherine Kuan</td>
<td>Gari Clifford</td>
<td>Zack Anderson, RJ Ryan</td>
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<tr>
<td>OpenMRS Patient Authentication via Hybrid Online/Offline Mobile Phones</td>
<td>Jenny Liu</td>
<td>Zack Anderson</td>
<td>Gari Clifford, RJ Ryan</td>
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<td>Support for Active Lists</td>
<td>Upul Godage</td>
<td>Burke</td>
<td>Dave</td>
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<tr>
<td>Facility Data Module (To Delete)</td>
<td>Robert O'Connor</td>
<td>Mike Seaton</td>
<td>Darius Jazayeri</td>
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<tr>
<td>Integration of the OpenEMPI Master Patient Index with OpenMRS</td>
<td>Amogha Gundavaram</td>
<td>Odysseas Pentakalos</td>
<td>Shaun Grannis</td>
</tr>
<tr>
<td>Enhancing Patient De-duplication Workflow</td>
<td>Saketh Bhamidipati</td>
<td>Shaun</td>
<td>James</td>
</tr>
<tr>
<td>Integrating OpenMRS with FrontlineSMS (mobile phone software)</td>
<td>Moses Mugisha</td>
<td>Daniel Kayiwa</td>
<td>Paul Biondich</td>
</tr>
<tr>
<td>Global Caching Support for OpenMRS Logic Service</td>
<td>Felicia Rosemonde</td>
<td>Tammy Dugan</td>
<td>Burke Maminlin</td>
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Expectations

Expectations of students working with OpenMRS this summer:

- Students should become familiar with OpenMRS and their project prior to the start date
- Weekly Blog entry
- Commit early, commit often
- Join the interns mailing list (we'll help you with this)
- Technical discussions should occur in IRC or within the developers mailing list

What students should expect of OpenMRS during the summer:

- You will have fun!
- You will learn how to work within an open-source project
- You will have a clearly defined mentor along with a backup mentor
- Your mentor will be able to spend at least 4-5 hours per week working with you
- The program administrators will be available for any issues that arise between students and mentors
Next Steps

1. Get in touch with your mentor
2. Get openmrs installed and running — see Developers Guide page and use the community if you have questions
3. Get coding environment installed and running
4. Review our conventions page
5. Request a trac account
6. Register your blog RSS (or ATOM) URL with OpenMRS — Ben, Brian, Burke, or Paul can help with this
   - If you don’t have a blog yet, you can create one for free at WordPress.com or Blogger.com
7. Browse the current OpenMRS code specific to your project
8. Create your User Page (see how to create a user profile page)
9. Browse other GSoC projects and the pages they have for their students. We want to A) make sure we “keep up with the Jones'” and then B) be better than the Jones’.
10. Review the requirements for your project (see Projects Page)
11. Submit formal proposal to your mentor
12. Agree on final requirements with your mentor
13. Develop project schedule with your mentor

Program Timeline

Both GSoC and OIP will follow the Official Google Timeline.

- Prior to May 26 — Community Bonding Period
  - This is the time to get to know your fellow interns and your mentor(s)
  - Download and install OpenMRS on your machine, install Eclipse (see our Developers Guide page for getting started tips and don’t forget to use the community if you have questions)
- May 26 — Coding Begins
  - Ideally, we’d like all projects to have a project plan in place by this time. If not done, then the first week should be used to do it.
  - Don’t forget: commit early and often!
- July 13 — midterm evaluations due
- August 17 — pencils down (end of projects)

Community Resources

- The OpenMRS Development Site — we use Trac as a tool for issue tracking and project management
- Email
  - Personal e-mail — for discussing larger design ideas and good for asynchronous communication. We always encourage technical discussions to use the dev list (email|dev|openmrs.org).
  - Mailing Lists
    - email|interns|openmrs.org — for administrative issues. This list should NOT be used for technical discussions
    - email|dev|openmrs.org — for technical discussions
- IRC — discussions in the openmrs channel of freenode are always fun! Useful for lower bandwidth discussions or for larger group discussions
- Skype or Phone — sometimes a short discussion can get ideas across much more efficiently
- Google Docs — an excellent tool for sharing and collaborating in real time on documents or spreadsheets
- Wiki
  - Everyone is encouraged to make a user profile page
  - Every project should have a OpenMRS wiki page where you document your project, progress, technical details, show mock ups, etc.
- OpenMRS Forum — when you want to get feedback on an idea or mockup, the forum can be very handy. Sometimes it helps to create a forum topic and then send a note to the dev list and/or putting a link on your project’s wiki page directing people to the forum entry
- Scheduling
  - TimeAndDate.com — to clarify/coordinate times around the world
  - Doodle.ch — to coordinate meeting times for larger groups

Trouble/Questions

Contact Burke and/or Paul
email|burke|openmrs.org
email|paul|openmrs.org