Missionary App

From SBCaT

Contents

Submitter Information

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Project Proposal

Missionary App

The Missionary App allows a missionary to view info about their supporters, donations, and PDF financial reports. This project would add prayer and encouragement features to this app.

- Languages: Java, XML, JSON
- Can Dev on Mac: Y
- Can Dev on Linux: Y
- Can Dev on Windows: Y
- Security Classification: SEC3 - Public
- Can Be Used In Promo Materials: Y

The partnerships between missionaries and those who support them are vital links in the work of the Gospel around the world.

LightSys already has an Android app in development for missionaries with organizations that use the open-source Kardia CRM/Donor software system.

The new features to be added by this Code-a-Thon project will work hand-in-hand with the enhancements to the missionary supporter app (a separate Code-a-Thon project), to help

supporters to more effectively support their missionaries.

New features would include the ability for the missionary to do the following, all via interaction with the Kardia CRM / Donor system via a RESTful web services interface:

1. Post short updates or prayer/praise requests. 2. View when Missionary Supporter App users say they've prayed for a request. 3. View encouragement notes or prayer needs sent by missionary supporters. 4. Configure a notification to remind the missionary to post a short update or prayer/praise request.

Technologies involved would be Android, Java, XML, JSON, and RESTful web sevices interaction (HTTPS GET/POST/PATCH).

Completion of items (1) and (2) would be the most critical. Adding item (3) and then later item (4) would be great additions.

Participants will be provided with a virtual machine (VM) image containing the Kardia CRM software; this can be used for testing. The VM can be run on the participants' laptops, or LightSys can host said VM on the LightSys office server.

Submitter Agreed To / Can Help With

- The students will not have to sign a Non-Disclosure Agreement for any technologies: Y
- The students will not have to purchase any software to work on this project: Y
- Concise instructions will be available for students to set up the development environment on their computer: Y
- I, or another staff member, will be readily available on-line to answer students' questions during the week of the Code-a-Thon: Y
- I believe that this project can be completed by a team of 3 students over a period of 4 days: Y
- I am willing to reduce the scope of this project, if need be, to ensure its success: Y
- This project will be used by people for real ministry purposes within the next year: Y
- The work done by the student volunteers will not be used by my organization for commercial gain (this is to avoid violating labor laws): Y
- This project is open-source: Y
- We have a source code repository that the students will have access to, e.g., Git, SVN, CVS, Hg, Bzr: Y
- A Virtual Machine image containing the entire development platform for the project will be made available: Y
- I am willing to travel out to Colorado Springs, CO, to be a part of Code-a-Thon (amazing if you can, but not at all required): Y
- I am willing to be available to fully test what the students have written, at least three times during the week of Code-a-Thon: Y
- We will provide test data for the students to use (an NDA is allowable if the data is 'live' data from your ministry):

- Available to interact with coders during Session 0 (March 2-6, 2015): Y
- Available to interact with coders during Session 1 (March 9-13, 2015): Y
- Available to interact with coders during Session 2 (March 16-20, 2015): Y
- Available to interact with coders during Session 3 (March 23-27, 2015): Y
- Available to interact with coders during Session 4 (March 30-April 3, 2015): Y

Estimated Coder-Hours and Capabilities Needed (by design reviewers)

Additional Business Requirements (by design reviewers)

Design Discussion (by design reviewers)

Recommendation Level (0=worst, 10=best) and Thoughts

TimYoung 2-11-2015: I think this is a 9. It seems easily doable, and is something that could be a real blessing to an organization. Because it is ground-breaking enough, it is hard to judge how much adoption one would get from it. But theoretically, it is one of those apps that could dramatically impact the connection between missionaries and donors.

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