

Immunization Cold Chain Status Reporting via SMS

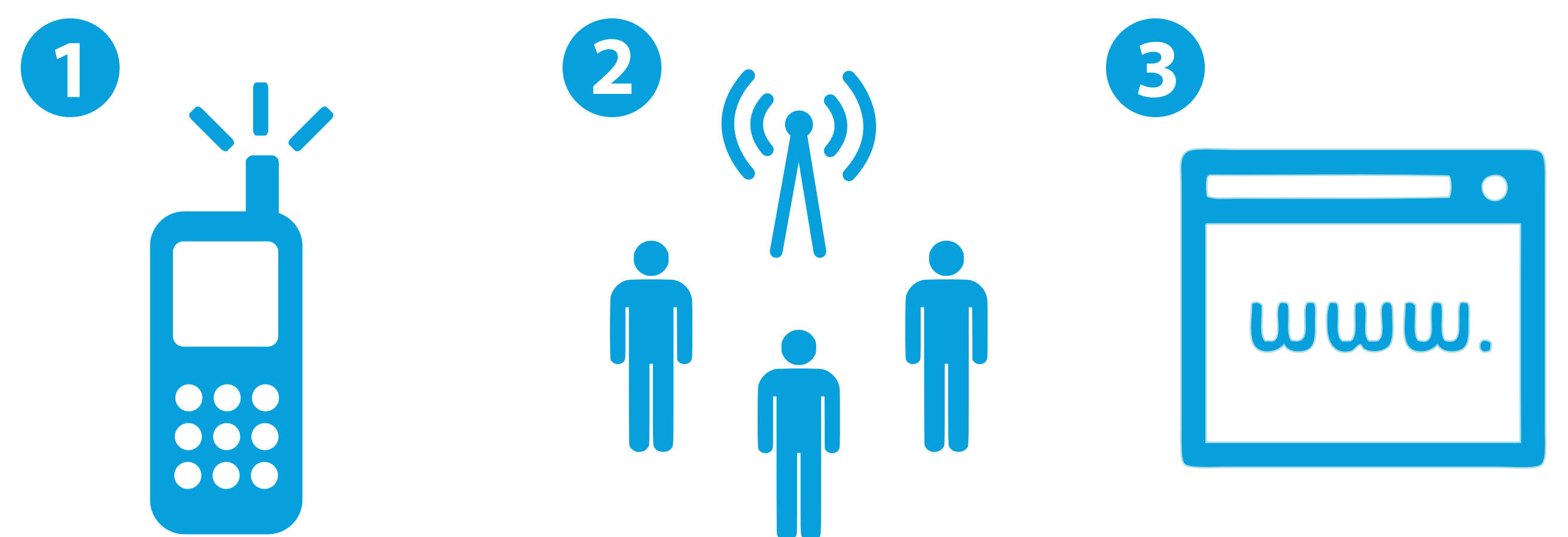
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Problem

More accurate and accessible reports on vaccine stock inventories and timely notifications of critical equipment failures are needed to help health workers effectively distribute vaccines across health centers. Our goal is to design a system that will allow for fast, easy reliable and accurate reporting in Laos, and generalize it to be usable by other countries.



Solution



1 An SMS message is sent reporting a vaccine stock outage.

2 Subscribed users receive alerts based on reported data.

3 Authorized managers can view data online.

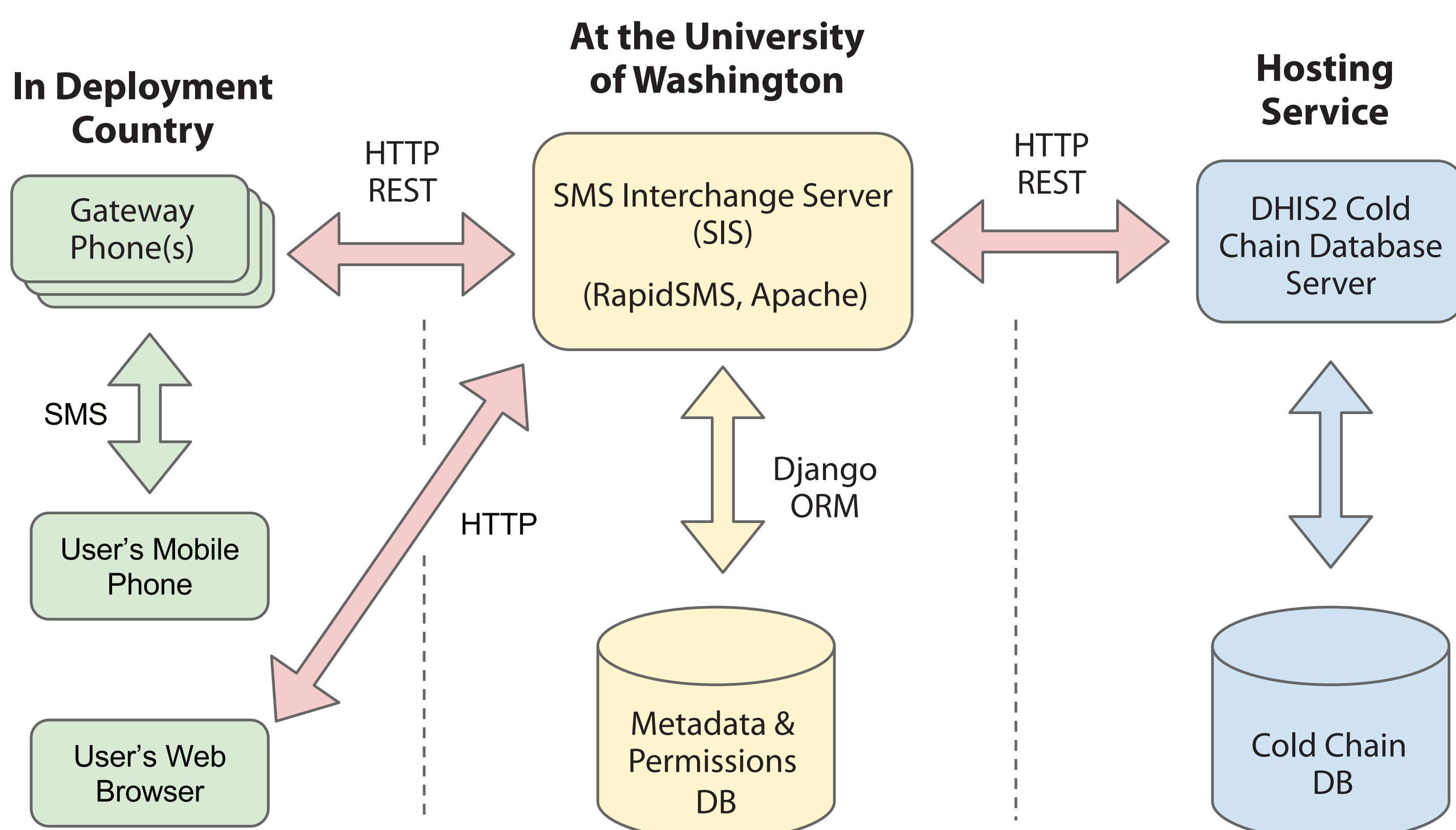
Evaluation with Potential Clients

We discussed requirements with Ranjit Dhiman of UNICEF, who is using a prototype of a similar system in Laos. We also talked to Henry Mwanjika from PATH about adapting the project for use in Tanzania.

Related Work

We talked to two UW graduate students, Trevor Perrier and Fahad Pervaiz, who are currently supporting the prototype system in Laos. Other work at PATH has been focused on creating a data model that can be used in DHIS2 to record cold chain information. This model will be a necessary link between the SMS Interchange Server being developed and a deployment country's DHIS2 database.

Architecture



Spring Quarter 2014 Timeline

