

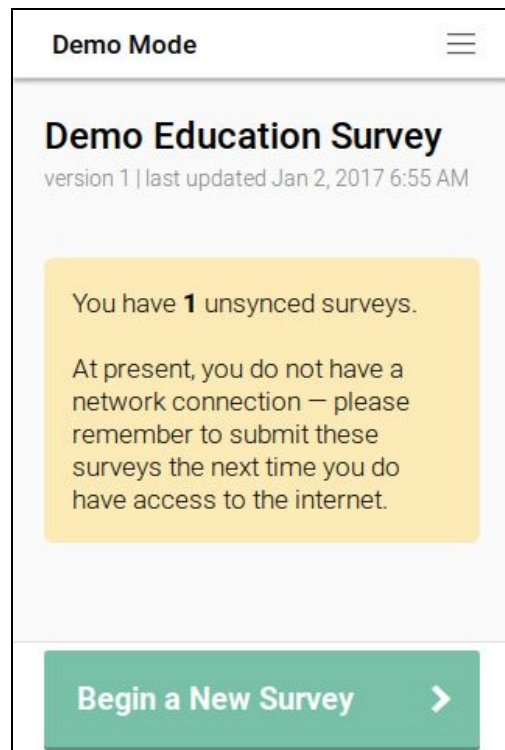
Dokomo Forms - Offline-capable mobile data collection

Dokomo Forms allows anyone to deploy a survey effort that leverages the flexibility and capability of mobile phones while remaining fully functional offline.

When collecting data in the field, paper surveys offer great reliability, but require manual data entry. Dokomo Forms, the successor to Formhub, is a free and open-source self-hosted software solution that provides ease-of-use without compromise. Dokomo strives to simplify the process of data collection down to a simple, unified system — from creation of mobile-ready surveys to quick analysis and visualization of the collected data.

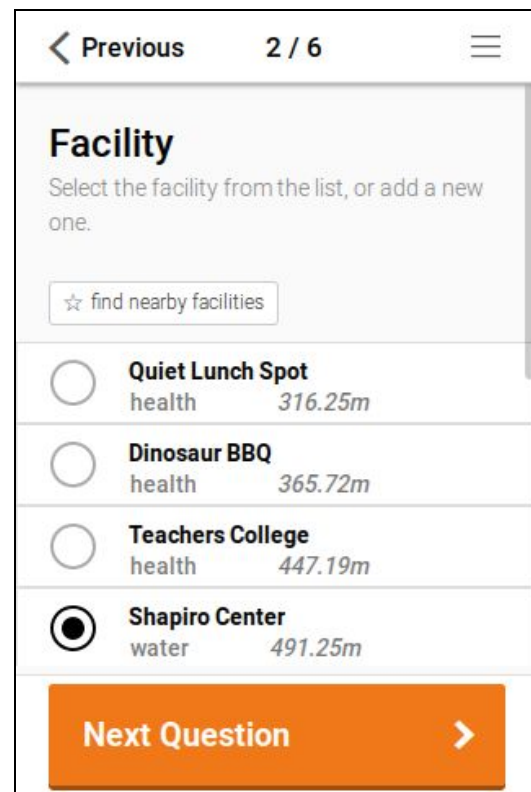
Works offline

Dokomo Forms saves all survey data offline so that enumerators can conduct surveys in locations without Internet access, then upload their responses when they regain Internet connection.



Location-aware

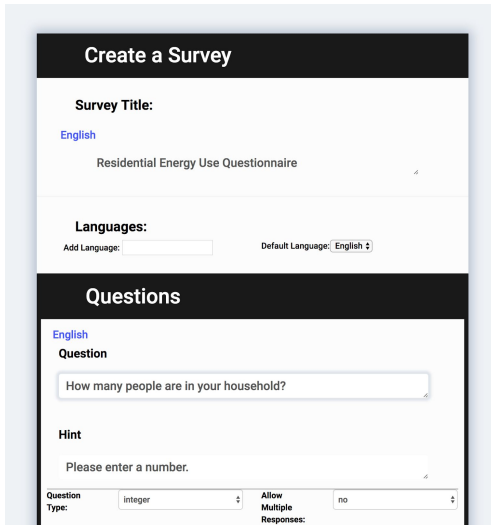
With Dokomo Forms, a survey can make use of a mobile device's GPS to record location data. Dokomo Forms integrates another free and open-source qSEL software, Revisit. In concurrence with this global facility registry API, an enumerator can specify a registered facility — even offline. In this way, multiple surveys conducted at the same facility can be easily linked, allowing changes in data points at survey locations to be tracked over time.



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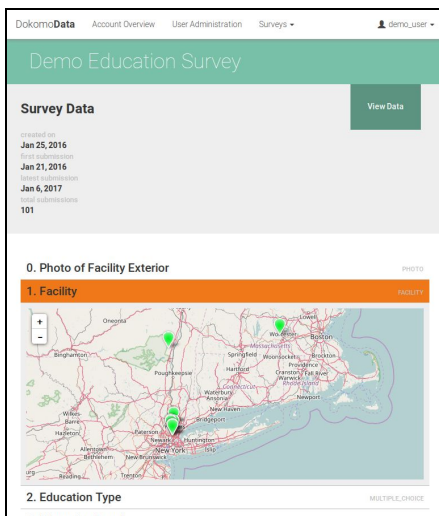
Define your survey

Dokomo Forms includes a web-based platform for creating customized surveys, which allows for a wide variety of question types and supports question branching based on a respondent's answer. This interface enables users to publish surveys directly from the administration panel to enumerators' mobile devices.



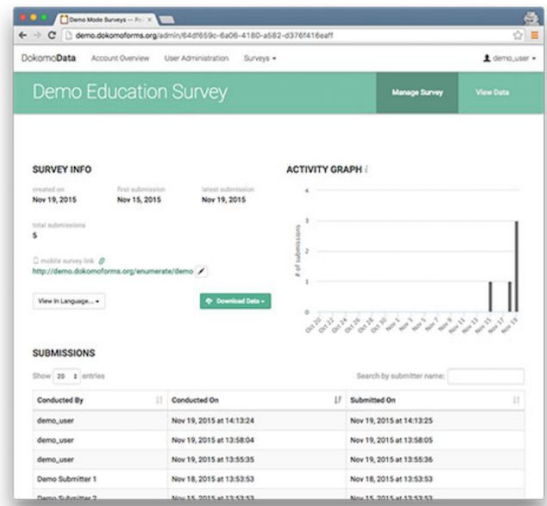
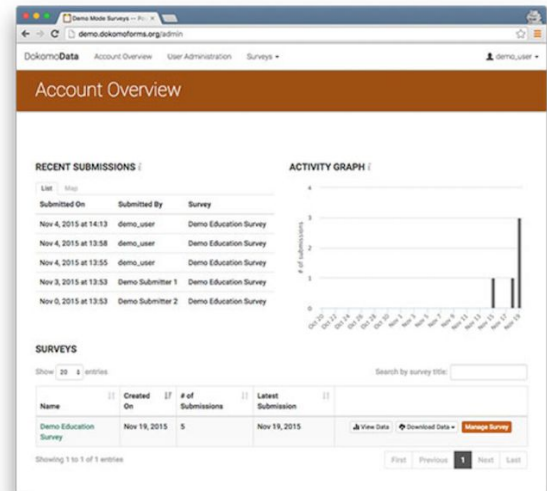
Easy data access

Users can quickly view collected data from individual submissions and see basic statistics in a web interface, or download the complete data in a number of available formats.



Survey monitoring

As an administrator of a surveying effort, it's important to know where, when, and by whom data is being submitted. Dokomo Forms provides an interface for visualizing real-time data updates in the form of straightforward tables and graphs, easily viewable from the administrator homepage.



In conclusion...

Dokomo Forms is a data collection platform that aims to provide the efficiency and organization one would expect from a web-based application but without the restrictions. Surveys can be conducted on virtually any device with a browser — no Internet connection required.

Please contact John Peacock at (jhp30@columbia.edu) to request an appointment and to be placed on our mailing list. Periodic updates can be found at qsel.columbia.edu. As of Fall 2016, Sustainable Engineering Laboratory is now Quadracci Sustainable Engineering Laboratory (qSEL) through a generous gift from the Windhover Foundation. The Laboratory Director is Prof. Vijay Modi of Department of Mechanical Engineering.