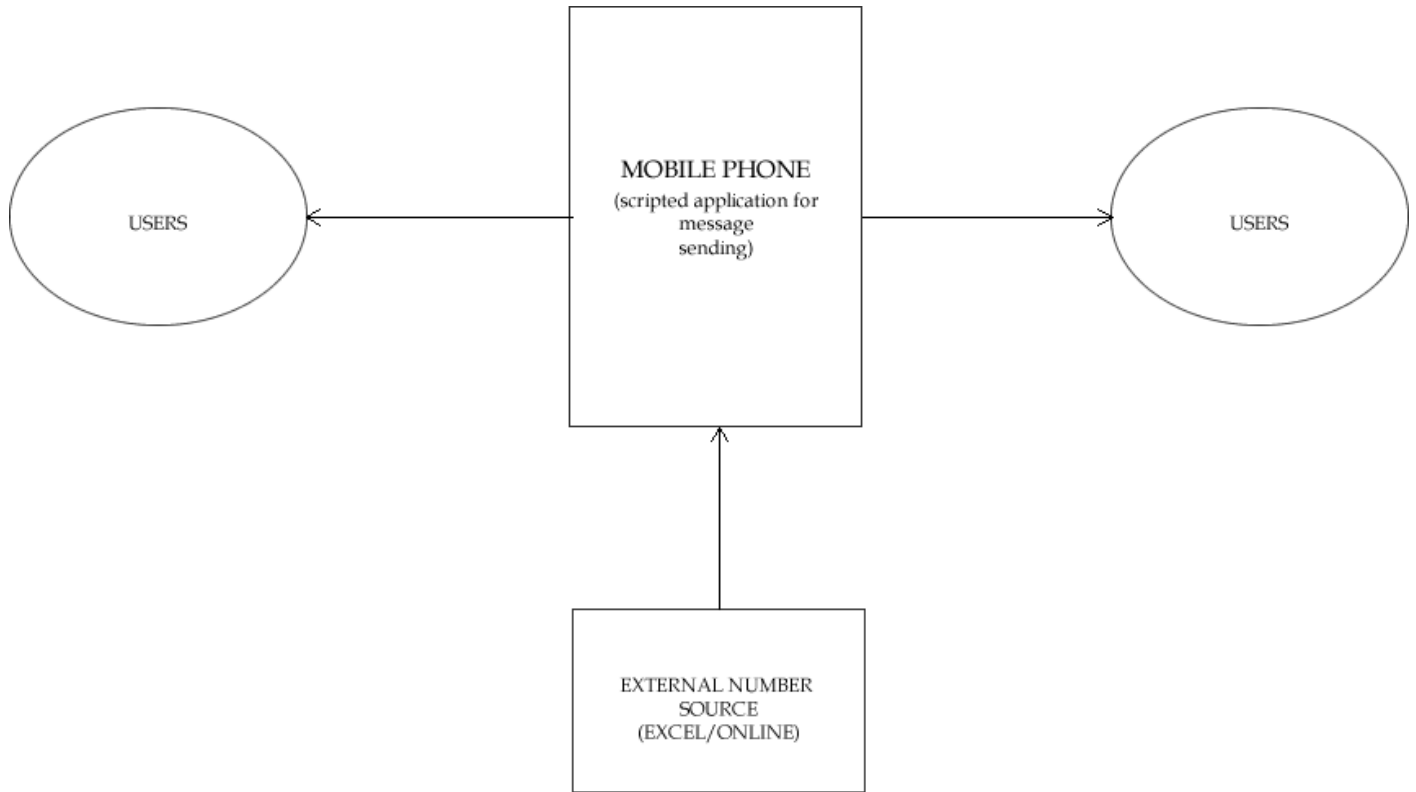


Clinic Communicator Alternative SMS solution

Option 1

Use of a mobile phone with an application that sends out messages to an uploaded list of numbers.

The numbers are stored in an Excel/external JSON file. That can be downloaded or embedded in the phone. An application will be built for the phone that will send messages to the external list.



Option 2

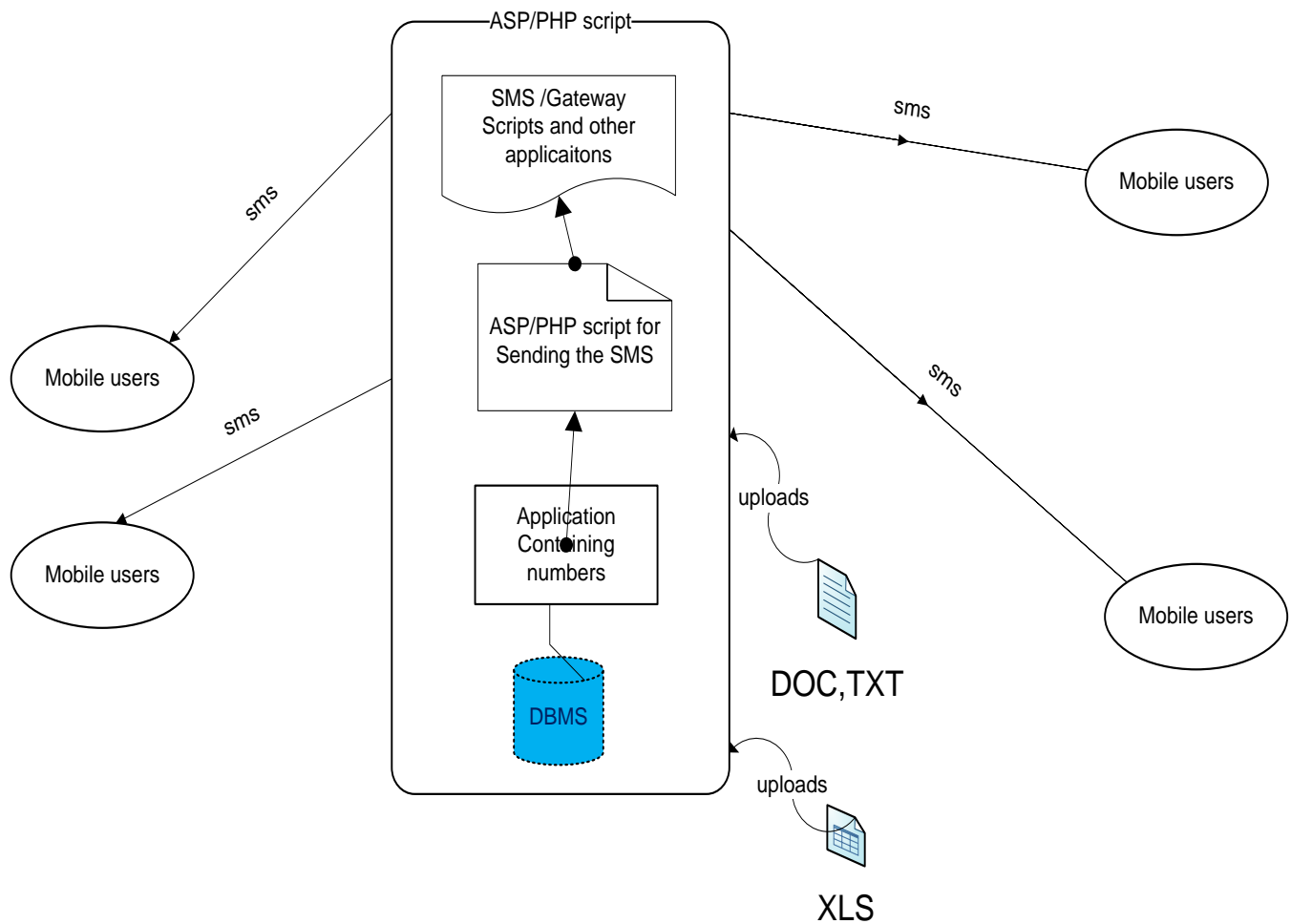
Use of a laptop with a modem. On the laptop we install an SMS gateway, with a PHP server.e.g Wamp server.

The modem comes with a SIM card that will receive /Send the messages.

The user's contacts will be uploaded using an application. The sending process will be handled by this localized application coupled with server side scripts.

The SMS Gateway can either be Kannel for Linux or Ozeki for windows.

The application can be built to cater for either direct user contact input or upload of users from a text file or excel.



Option 1	Condition
Battery life	Phone battery not reliable
Network limitations	unknown
hardware	phone
Software	Custom mobile application
Option 2	Condition(More reliable)
Battery life	National power sources
Network limitations	Service Provider, sms service reliant
Software	Sms gateway, custom application interface
Hardware requirements	Requires a lot of hardware

Option 1 has less application source control for testing and debugging, but is easier and faster to build.

The amount of numbers it can send to or process it can carry out has never been done before, a lot of testing has to done and proof of concept justified.

Option 2 requires more time to build. The is common practice and hence there is little involved in areas of proof of concept.