

# **SMS Immunization Manager**

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# Paper-based cold chain reporting

- Information is recorded regularly on paper forms
- Paper forms are collected periodically and transported to the central authority
- The central authority manually enters the data into DHIS2

# Failures in this system

- Reporting data more often than monthly is prohibitively expensive
- This implies a delay between when valuable data is recorded and when it's useable
- Data is eventually stored in DHIS2

# Requirements for the system

- Paper-free reporting of and access to data
- Automatic notification of interested parties
- Automatic storage of reported data in DHIS2
- A simple permissions system that prevents accidental or intentional misuse
- Manual moderation of strange data or actions

# What are we building?

A comprehensive data reporting system used by

- Data reporters (health workers) at health facilities
- Distributors and managers at the district and national level

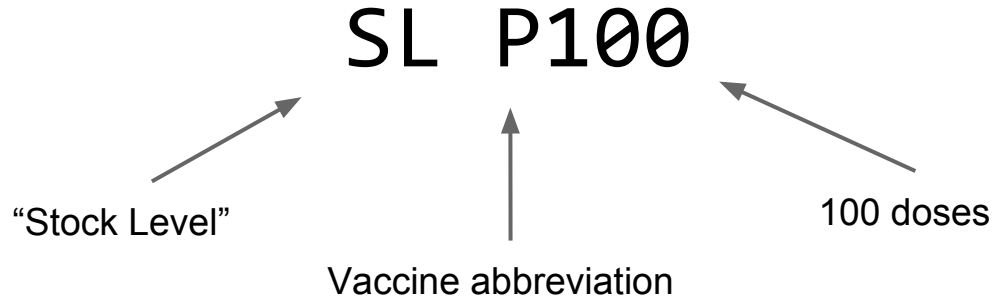
# Many constraints ...

- Internet is inaccessible or unreliable
- Unreliable cell carrier interoperability

## **... However**

- Cell coverage is good
- Health workers have cell phones that can type the Latin alphabet and digits

# Example SMS inputs

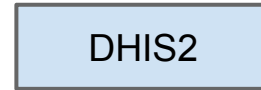
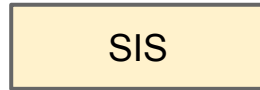
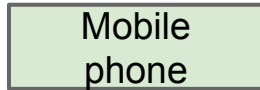


And many more, custom to each deployment



# For every deployment

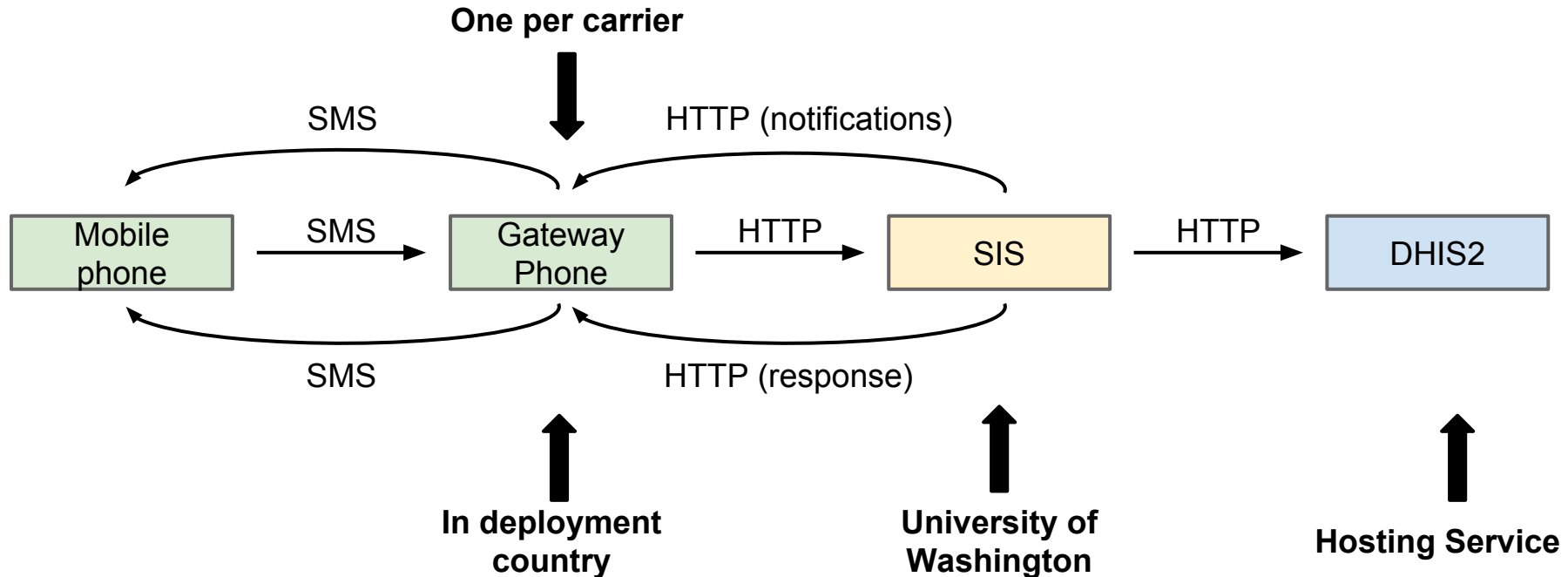
One or more per user (health workers, managers, etc.)

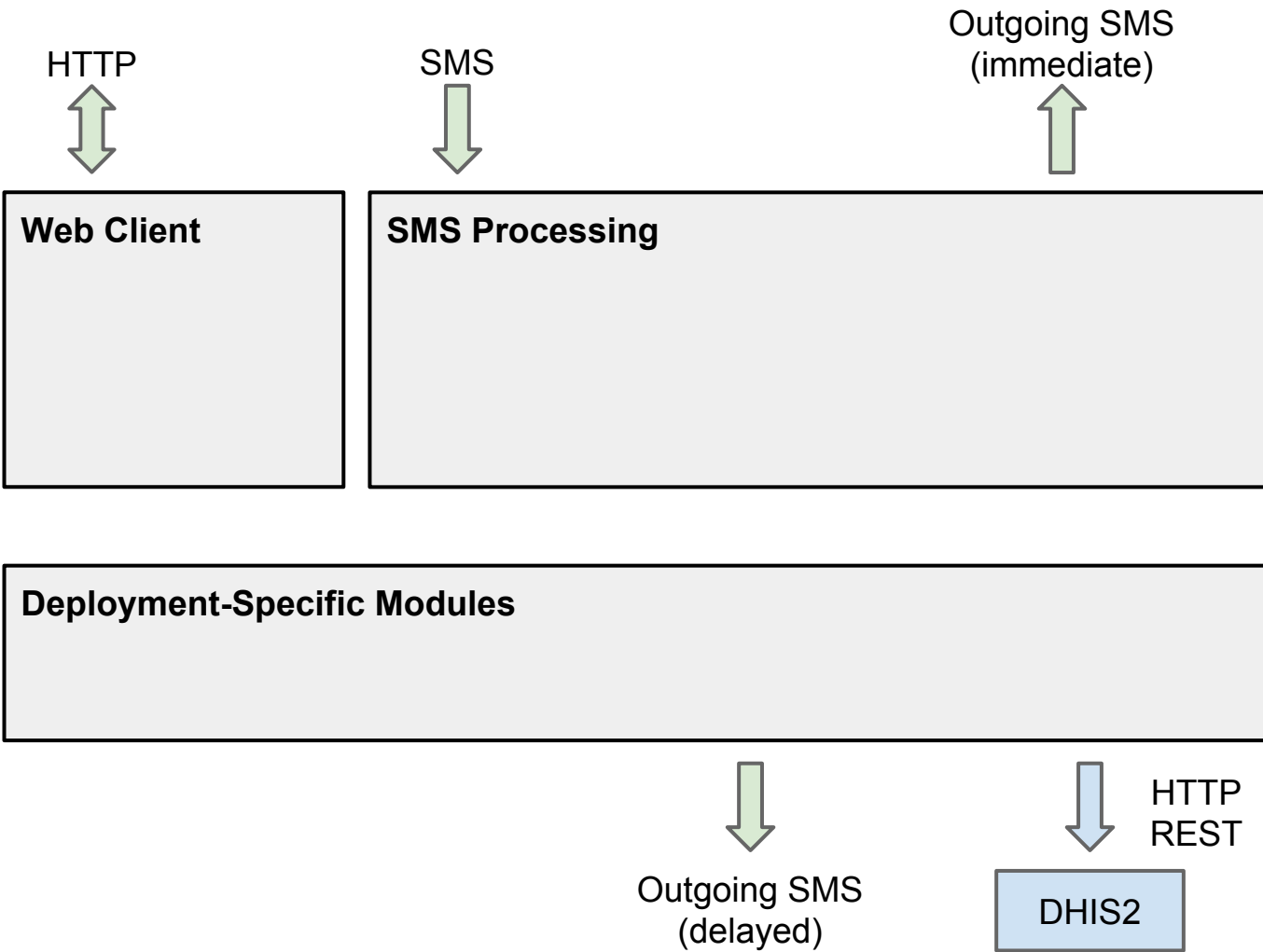


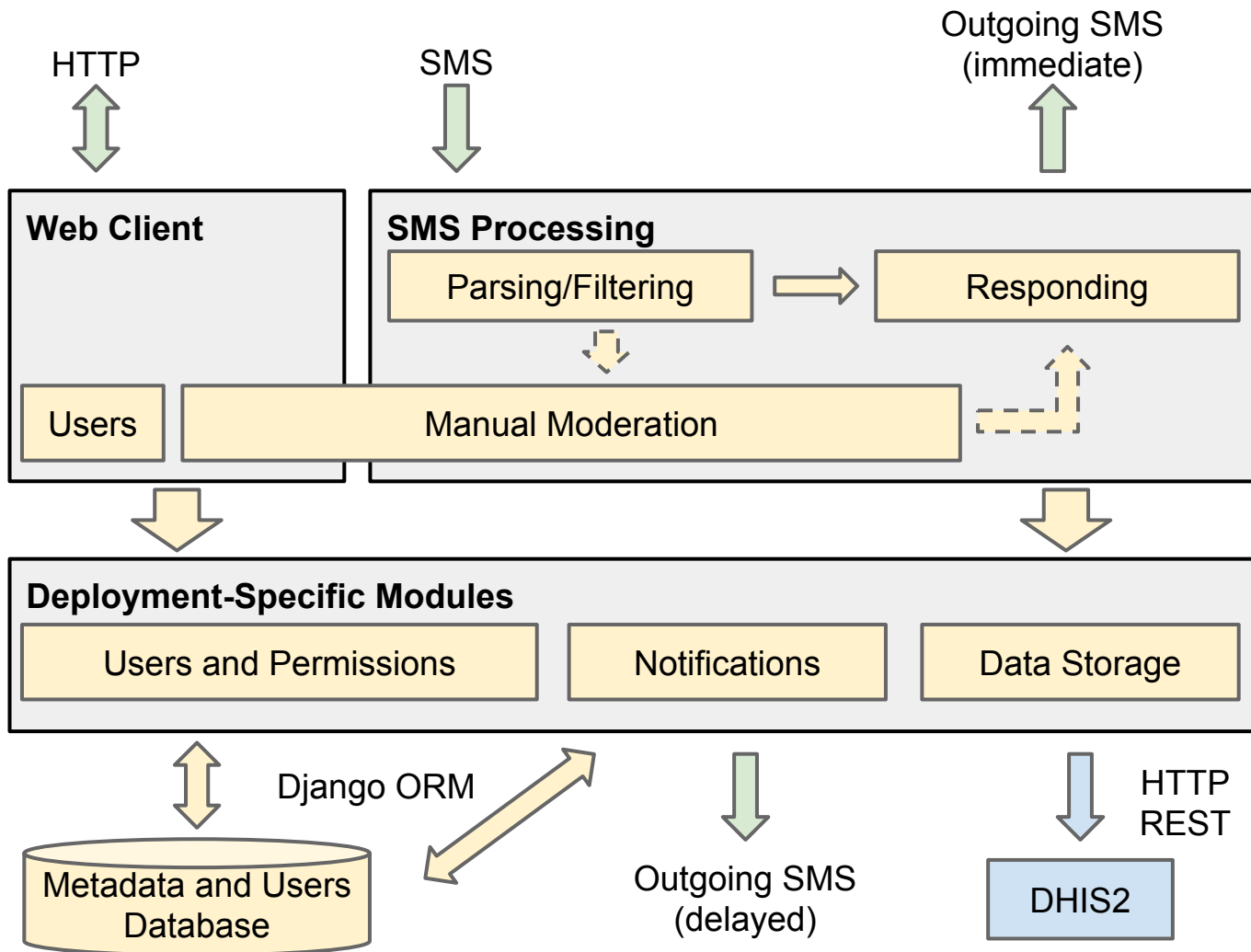
Exactly one of each



# For every deployment







# User Interface

Let's take a look!

# Development Timeline

