

mHealth for Better Routine Immunization Data in Honduras (mVax)



Roatán, Honduras

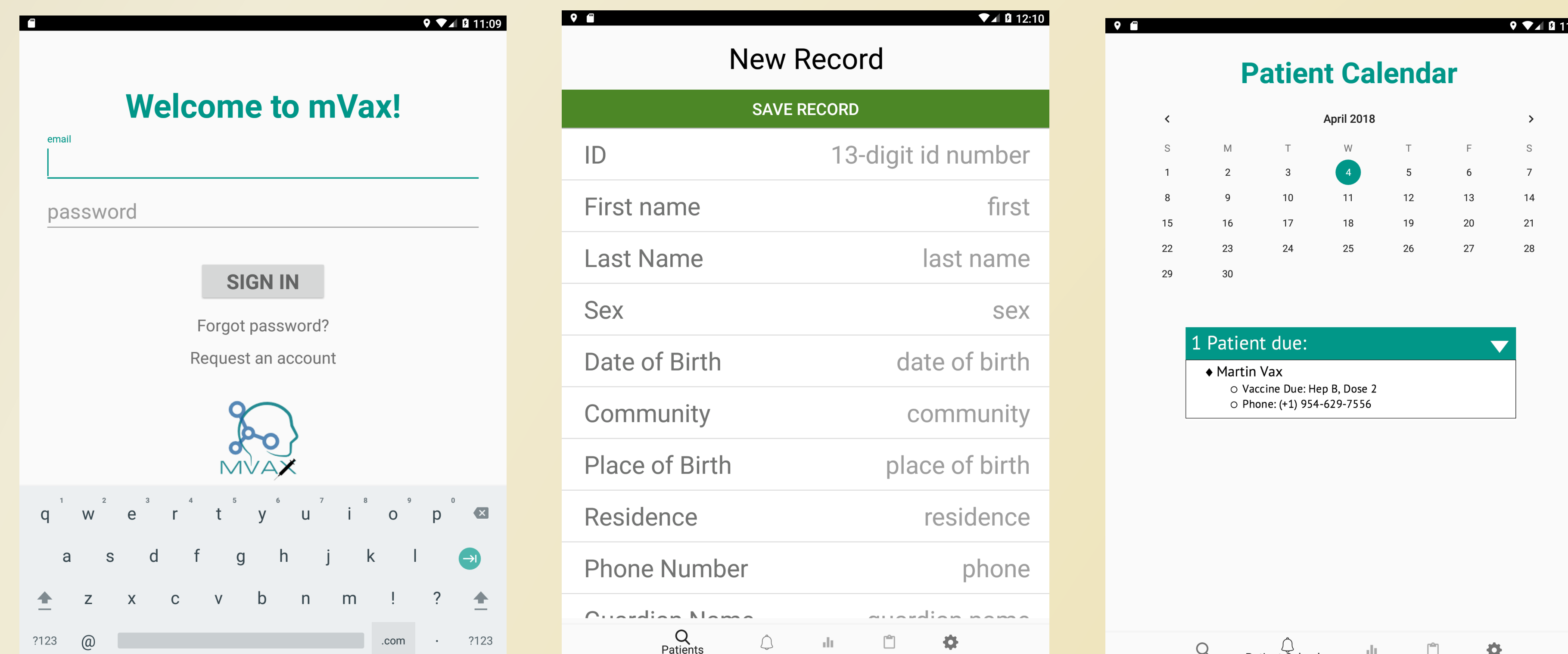
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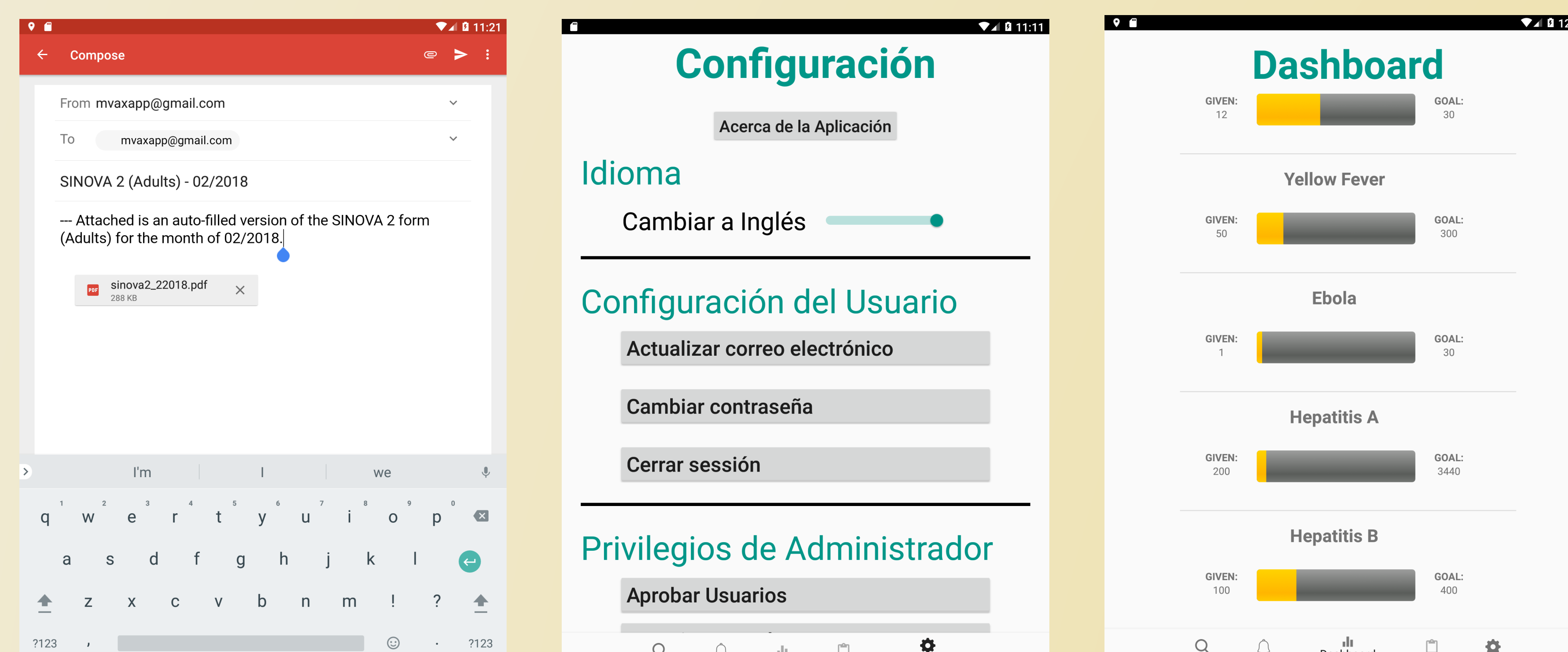
Project summary: Despite a national routine immunization program in Honduras, many children in Roatán remain susceptible to vaccine-preventable infections due to delays in, refusal to accept, or lack of access to vaccinations. The current vaccination record system in Honduras is entirely paper-based, preventing rapid identification of, and outreach to, under-immunized or unimmunized children. Our project aims to streamline the process of recording immunization data, enabling clinics to focus more time on vaccination delivery.

Our Application, mVax:

GitHub: <https://github.com/mVax-app>



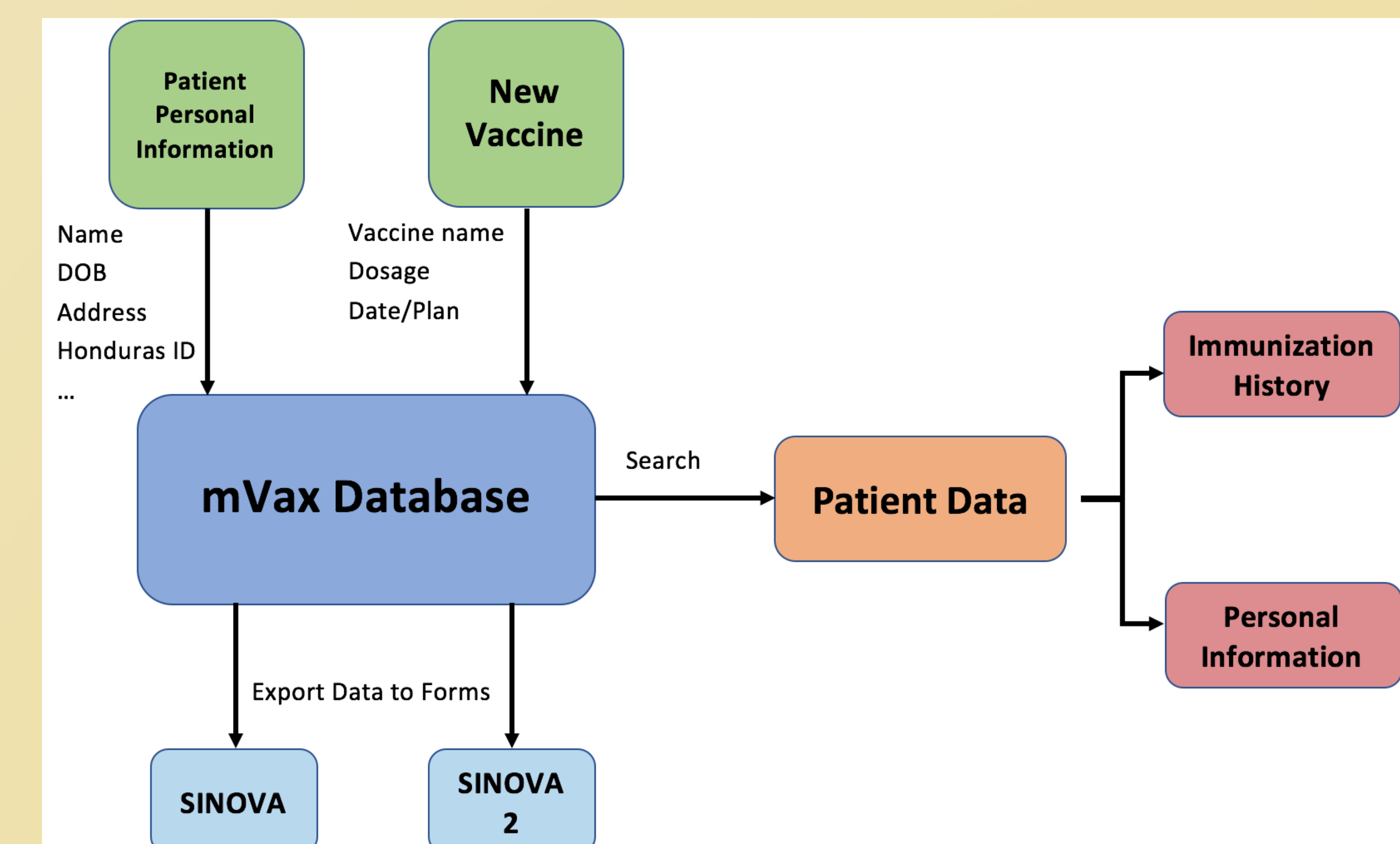
Left to Right: 1. Welcome 2. Patient Registration 3. Patient Due Dates



Left to Right: 1. Automated email sending auto-filled form 2. Settings showing multilingual support 3. Vaccine administration progress

Application Features

- Patient Registration
 - Vaccination data stored in digital database
- Data Management
 - Dashboard for tracking progress
 - Autofill PDFs of required forms for the Honduras Ministry of Health
- Multilingual support
- Data Security and Infrastructure
 - Data will have daily backups
 - Offline data storage with manual sync once network connectivity is restored



Patient Vaccination Data Flow within the Android Application

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