VACCINATION / TREATMENT DATABASE SYSTEM

FOR VACCINES OR DRUGS

Vaccination Database & Web Application

Proposal by: Aysh Inventions Ltd

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A Database System to monitor Vaccination/ Medication

We hereby set out to create and maintain a massive secure , robust and efficient online database system (Web Application) which shall be dedicated to keeping track of administered vaccines / medications all over the country/ hospital branches. The system shall keep data like Vaccine / Drug type, recepient details and other relevant administration details for the various vaccines / hospitals. It shall be accessible anywhere by the authorized personnel using an internet connection, and accordingly the right personnel shall be able to edit / manage the data in the system. The security of the data shall be Optimum, with thorough prior testing and proofing.

The main project details are included in the subsequent pages.

We welcome aboard Buyers/ Grants / Financial Investments & Partnerships from interested personnel.

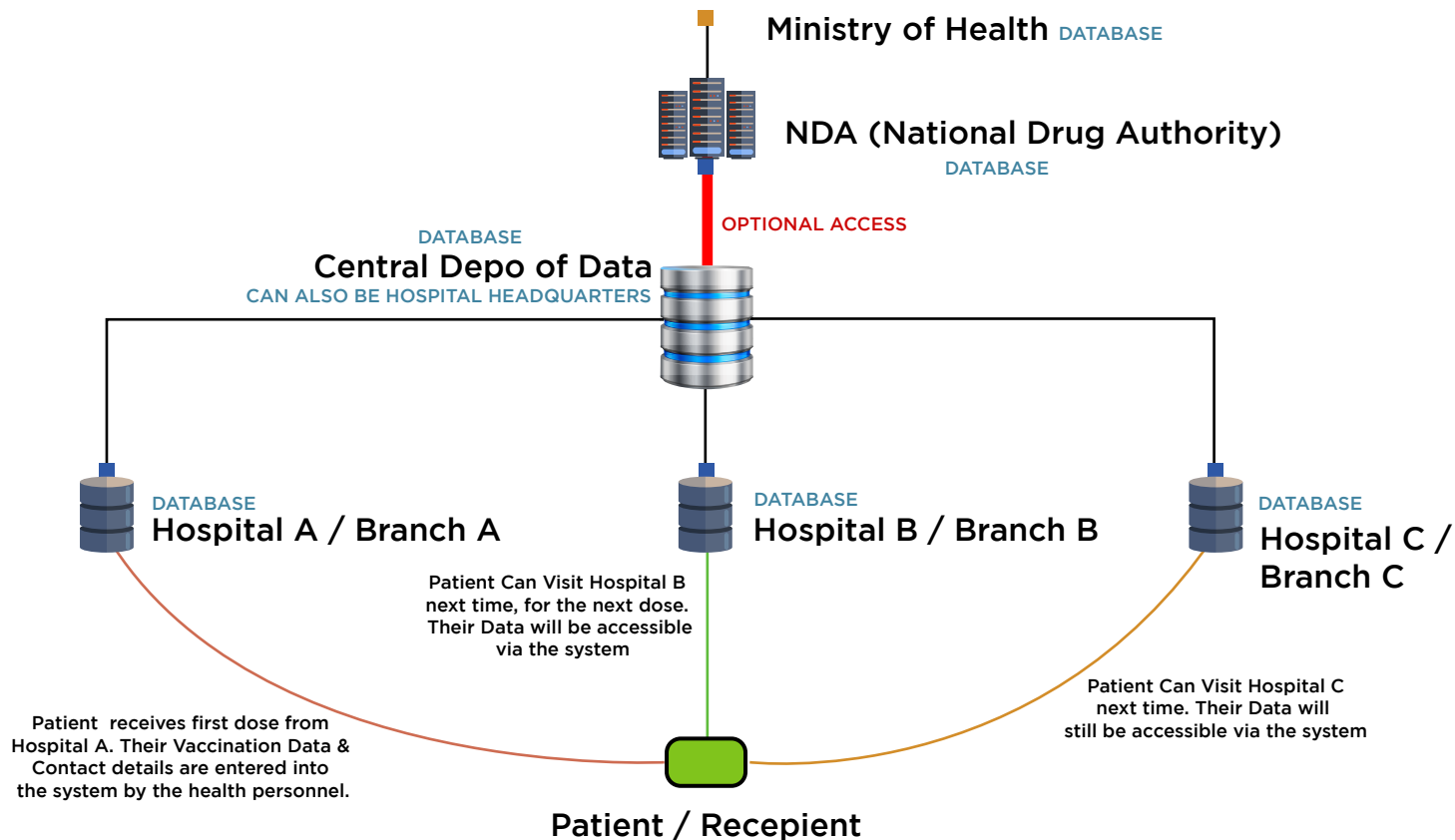For more information, please contact us .

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SYSTEM FLOW DIAGRAM

Ministry of Health DATABASE

NDA (National Drug Authority)
DATABASE

OPTIONAL ACCESS

DATABASE
Central Depo of Data
CAN ALSO BE HOSPITAL HEADQUARTERS

DATABASE
Hospital A / Branch A

DATABASE
Hospital B / Branch B

DATABASE
Hospital C / Branch C

Patient Can Visit Hospital B next time, for the next dose. Their Data will be accessible via the system

Patient Can Visit Hospital C next time. Their Data will still be accessible via the system

Patient receives first dose from Hospital A. Their Vaccination Data & Contact details are entered into the system by the health personnel.

Patient / Recepient

Recepient

Desktop at any Hospital

Internet connection

Data is captured (entered by the health personnel) via the web application after administering the vaccine to the recepient.

The data may also be captured offline using Ms Excel and uploaded later into the online database via the web application.

Hospital Database

Data is captured in Hospital Database (Online)

Central Database

A copy of the data is automatically sent by the system to the central Data Depo accessible to other stakeholders

TECHNOLOGIES USED TO BUILD THE SYSTEM

Programming Language	Java , Javascript
Database	Oracle / MySQL/ Postgresql
Cloud Servers	Amazon / Oracle / JVMHost

SYSTEM SECURITY & DATA SAFETY

- **Amazon Security Groups**
- **Java inbuilt robust security (e.g. Play Framework)**
- **Secure Socket Layer Protection**
- **Password encryptions**

SYSTEM ACCESSIBILITY

- **Smart Phone**
- **Tab**
- **PC (desktop) -** Reccommended
- **Laptop**

REMUNERATION / PROJECT COST

ITEM	COST
1. Purchasing Database & Web instanses on Amazon Web Services (10 TB per year) With Web App & Online Database Security (Amazon Security Groups) - Hosting Costs	UgX 50M (Annually) (USD 13,000)
2. Workstation purchase (HP) 4 pieces	UgX 40M (One-Off)
3. System design, development & maintenance labor (Aysh Inventions Ltd Production Team)	UGX 240M Annually
4. Medical Consultations / Research	UgX 100M Annually
5. Free Staff training & Technical support for every hospital	
TOTAL	UgX 430M Annually

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