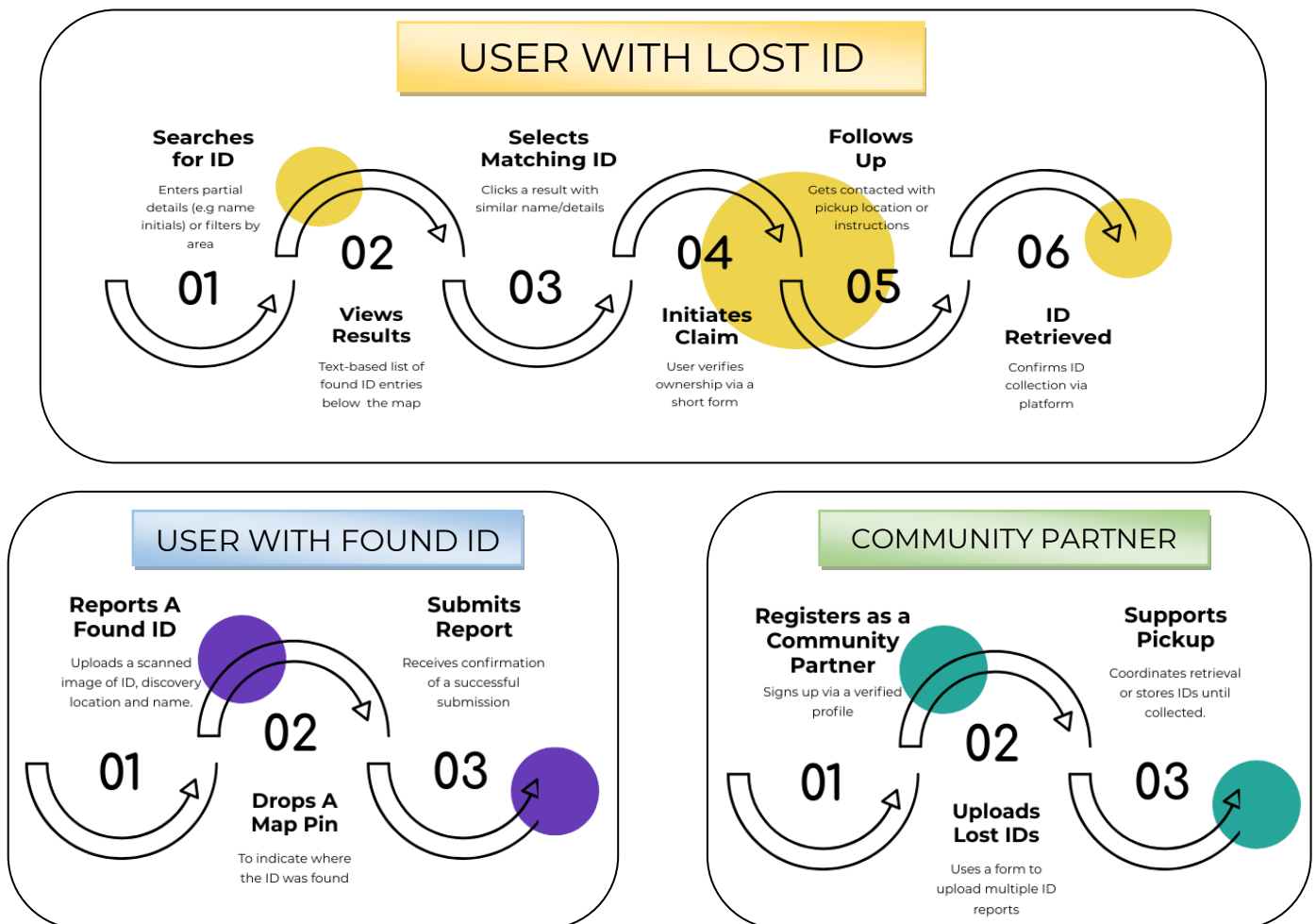# IDFinder^{KE} – A web app with Lost Kenyan ID tracking functionalities.

By Rebecca Njoki Kamunya

I. PROJECT OVERVIEW

This is a web-based platform that allows Kenyan citizens to search for, report and recover lost national identification cards. This will promote transparency in the management of lost IDs in Kenya.

II. PROJECT SCOPE

USER WITH LOST ID

Searches for ID
Enters partial details (e.g name initials) or filters by area

01

02

Views Results
Text-based list of found ID entries below the map

03

Selects Matching ID
Clicks a result with similar name/details

04

Initiates Claim
User verifies ownership via a short form

05

Follows Up
Gets contacted with pickup location or instructions

06

ID Retrieved
Confirms ID collection via platform

USER WITH FOUND ID

Reports A Found ID
Uploads a scanned image of ID, discovery location and name.

01

02

Drops A Map Pin
To indicate where the ID was found

Submits Report
Receives confirmation of a successful submission

03

COMMUNITY PARTNER

Registers as a Community Partner
Signs up via a verified profile

01

02

Uploads Lost IDs
Uses a form to upload multiple ID reports

Supports Pickup
Coordinates retrieval or stores IDs until collected.

03

III. OBJECTIVES

1. Simplify ID recovery through a user-first digital platform.
2. Enable fast, secure reporting and search of lost IDs.
3. Help users locate lost IDs in Nairobi through interactive maps
4. Deploy IDFinder^{KE} for reliable and easy public access.

IV. CORE FEATURES

1) Users

ID Search & Claim
- Search lost IDs by number, name initials or location
- View results in a text-based list of found ID Entries below the map
- "Claim ID" button that prompts a form

Map Visualization
- Interactive map indicating places that show found ID locations

Report Found ID
- Easy, mobile-friendly form with required fields such as name, location, scanned image of ID.

Follow Up
- A confirmation email is sent acknowledging the claim request and providing information on the pickup point.

2) Community Partners

ID Uploads
- Partners log in to a special dashboard and upload multiple found IDs

Submission Assistance
- Assist locals in reporting found IDs by filling in forms for those without smartphones

Pickup Points
- Act as pickup points by storing IDs until they are collected.

V. BONUS

1. Create a IDFinder^{KE} MVP.
2. Collaborate with local administrators interested in ID loss trends and recovery statistics

Rebecca Kamunya

VI. TECHNICAL STACK

- React
- NextJS
- Django
- Bootstrap

VII. DELIVERABLES

- Github Repository Link
- Website Link
- README

VIII. TIMELINE / MILESTONES

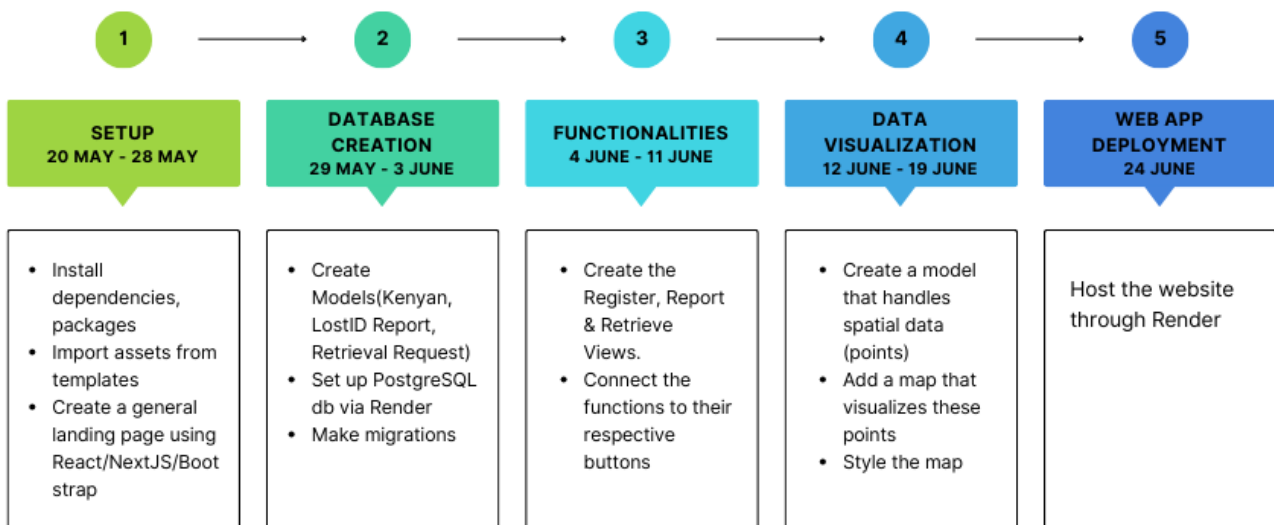| 1	2	3	4	5
SETUP **20 MAY - 28 MAY**	**DATABASE CREATION** **29 MAY - 3 JUNE**	**FUNCTIONALITIES** **4 JUNE - 11 JUNE**	**DATA VISUALIZATION** **12 JUNE - 19 JUNE**	**WEB APP DEPLOYMENT** **24 JUNE**
• Install dependencies, packages • Import assets from templates • Create a general landing page using React/NextJS/Bootstrap	• Create Models(Kenyan, LostID Report, Retrieval Request) • Set up PostgreSQL db via Render • Make migrations	• Create the Register, Report & Retrieve Views. • Connect the functions to their respective buttons	• Create a model that handles spatial data (points) • Add a map that visualizes these points • Style the map	Host the website through Render

Fig. 1.   Shows the project timeline

IX. ASSUMPTIONS/CONSTRAINTS

1. The data that will be displayed on the map is fictional.
2. Django will securely handle all backend processes.

Rebecca Kamunya