

TechShoi Database Application

Updated

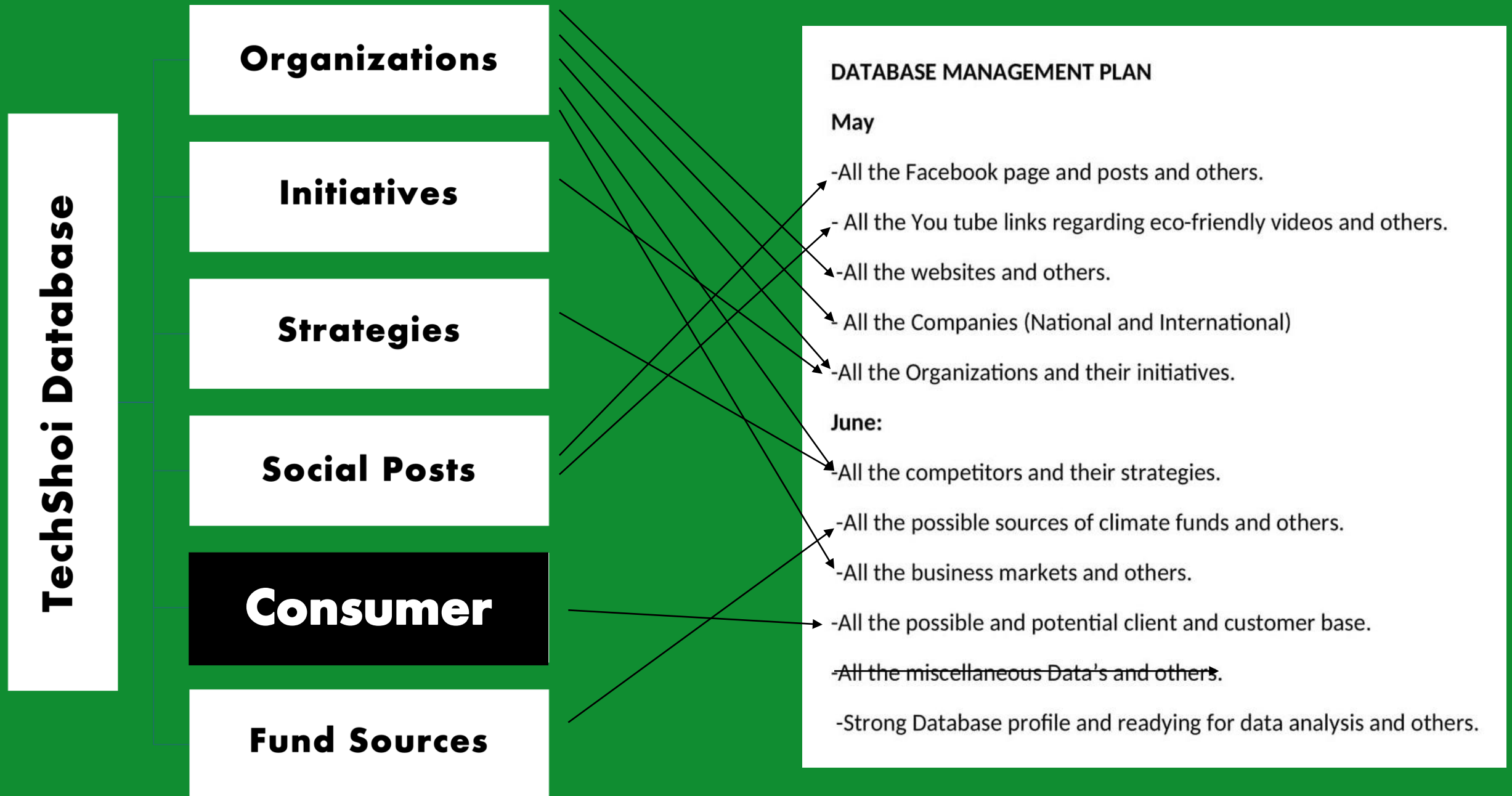
check for this



Dates

- 28 April – Got an SRS of 14 lines and some sample data
- 2 May – Initial Planning complete & Meeting
- 8 May – Planning Confirmation
- 17 May – Started Implementation
- 21 May – UI/UX design completed + implemented
- 25 May – Admin Site Completed
- 27 May – Analytics Completed
- 29 May – Testing Completed
- 31 May – Final Meeting

Fulfilling Requirements



Tables - Requirements Plan

Databases & Tables

Database = 2

Authentication Database

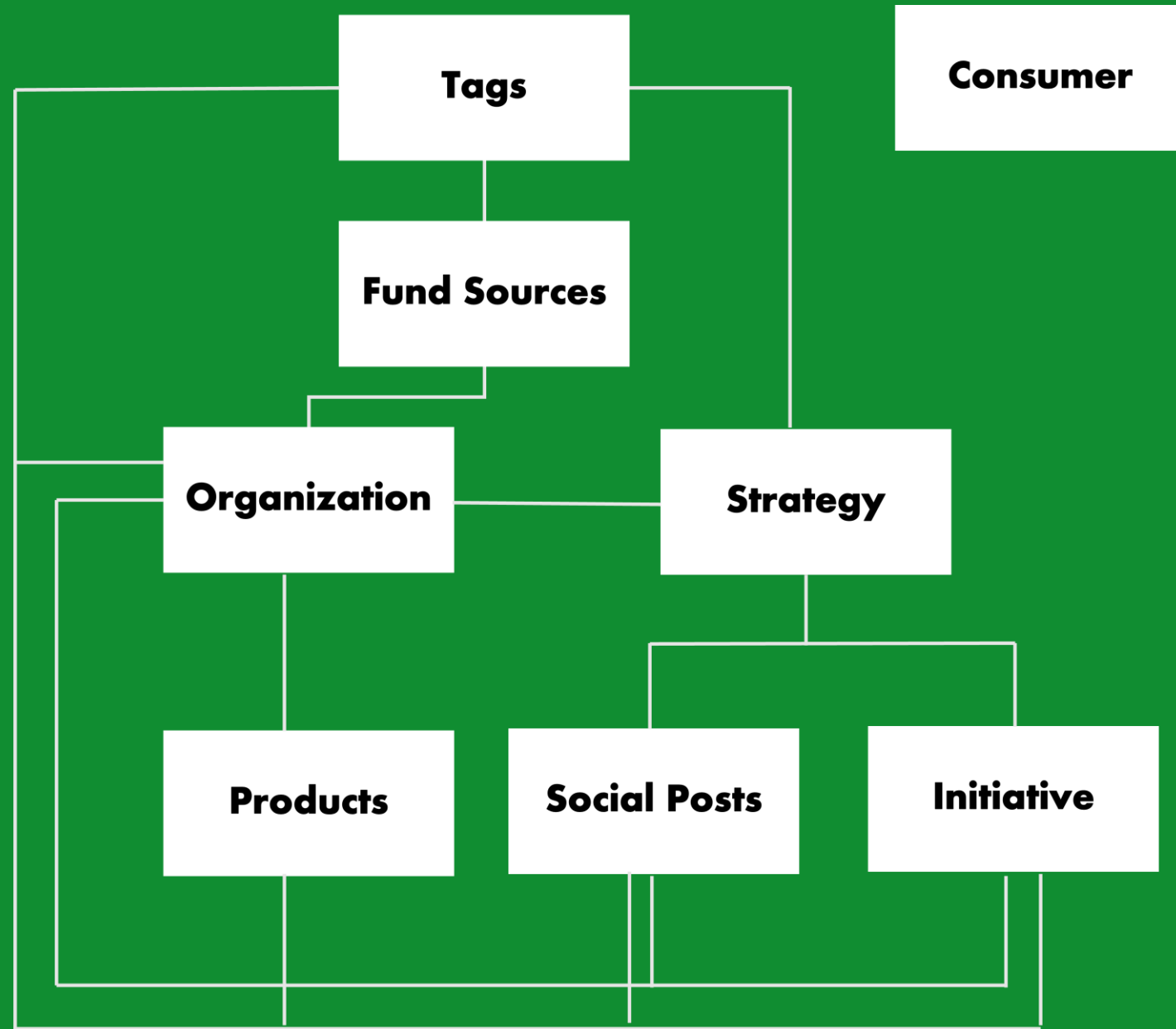
Authentication Tables = 2

Core Database

Old Tables = 6

New Tables = 2

Tables Dependency Chart



Tables
Columns
Relationships
Plan.

New Table

Tags	
Id	UUID, PRIMARY KEY, NOT NULL
Value	CHARFIELD(MAX_LENGTH = 50), NOT NULL, UNIQUE

Search Filter

Value

List Filter

-

Fund Sources	
Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH=100), NOT NULL, UNIQUE
Location	CHARFIELD(MAX_LENGTH=100), NOT NULL
Email	EMAIL_FIELD, UNIQUE CONSTRAINT, NOT NULL
Site	URL_FIELD, NOT NULL
Funding Possibility	SELECT_FIELD (Low Medium High), NOT NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name, Location, Email, Site

List Filter

Funding Possibility, Tags

Organizations

Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH=100), NOT NULL, UNIQUE
Location	CHARFIELD(MAX_LENGTH=100), NOT NULL
Category	SELECT_FIELD (COMPETITOR NEUTRAL MARKET VENDORS), NOT NULL
Email	EMAIL_FIELD, UNIQUE CONSTRAINT, NULL
Site	URL_FIELD, NULL
Status	SELECT_FIELD(ACTIVE INACTIVE), NOT NULL
Funder	MANY-TO-MANY RELATIONSHIP, NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name, Location, Email, Site

List Filter

Category, Status, Funder, Tags

Strategies	
Id	UUID, PRIMARY KEY, NOT NULL
Name	TEXT_FIELD, NOT NULL, UNIQUE
Organization	FOREIGN KEY, NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name

List Filter

Organization, Tags

Initiatives	
Id	UUID, PRIMARY KEY, NOT NULL
Name	TEXT_FIELD, NOT NULL, UNIQUE
Date	DATEFIELD, NULL
Link	URL_FIELD, NULL
Organization	FOREIGN KEY, NOT NULL
Strategy	MANY TO MANY RELATIONSHIP
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name, Link

List Filter

Date, Organization, Strategy, Tags

Social Posts	
Id	UUID, PRIMARY KEY, NOT NULL
Platform	CHARFIELD(MAX_LENGTH=100), NOT NULL
Date	DATEFIELD, NULL
Link	URL_FIELD, NOT NULL
Organization Id	FOREIGN KEY, NOT NULL
Strategy Id	MANY-TO-MANY RELATIONSHIP, NOT NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Link

List Filter

Platform, Date, Organization, Strategy, Tags

New Table

Products	
Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH = 100), NOT NULL
Price	INTEGER FIELD, NOT NULL
Date	DATEFIELD, NULL
Features	TEXT_FIELD, NOT NULL
Link	URL_FIELD, NULL
Organization Id	FOREIGN KEY, NOT NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name, Features, Link

List Filter

Price, Date, Organization, Tags

Consumer	
Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH = 100), NOT NULL
Email	EMAIL_FIELD, UNIQUE CONSTRAINT, NULL
Age	INTEGER_FIELD, NOT NULL
Location	TEXT_FIELD, NULL
Social Link	URL_FIELD, NULL

Search Filter

Name, Email, Location, Social Link

List Filter

Age

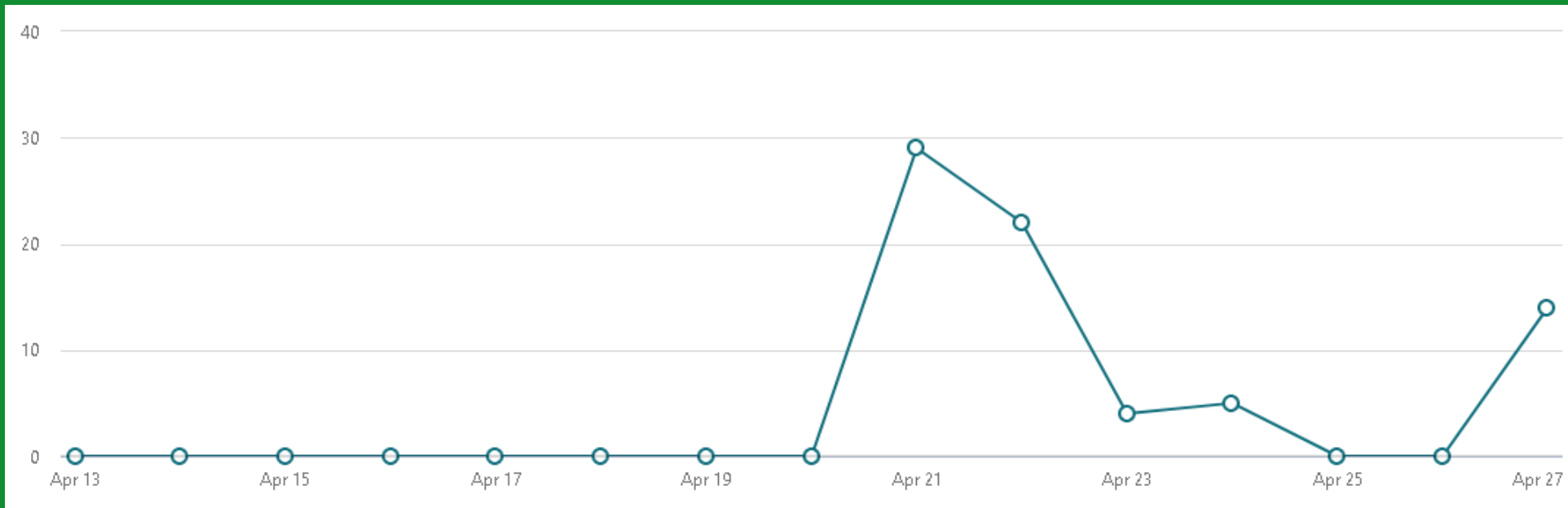
Data Entry Rules

- **Location**
Dhaka, Bangladesh
Delhi, India
- **Site / link**
Starts with https://
- **Be Careful when deleting records**
- **Report Bugs when necessary**
- **Notify me anytime when face an error**

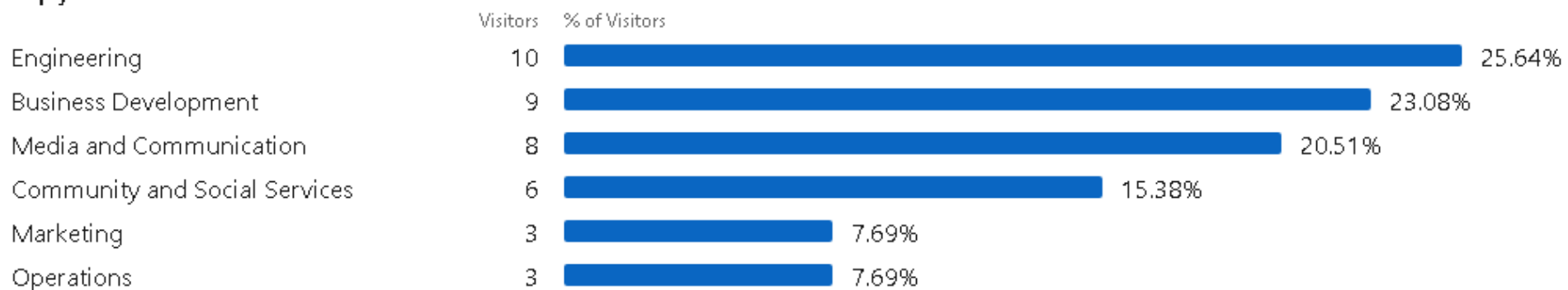
DATA ANALYSIS & VISUALIZATION Plan.

SOME EXAMPLES

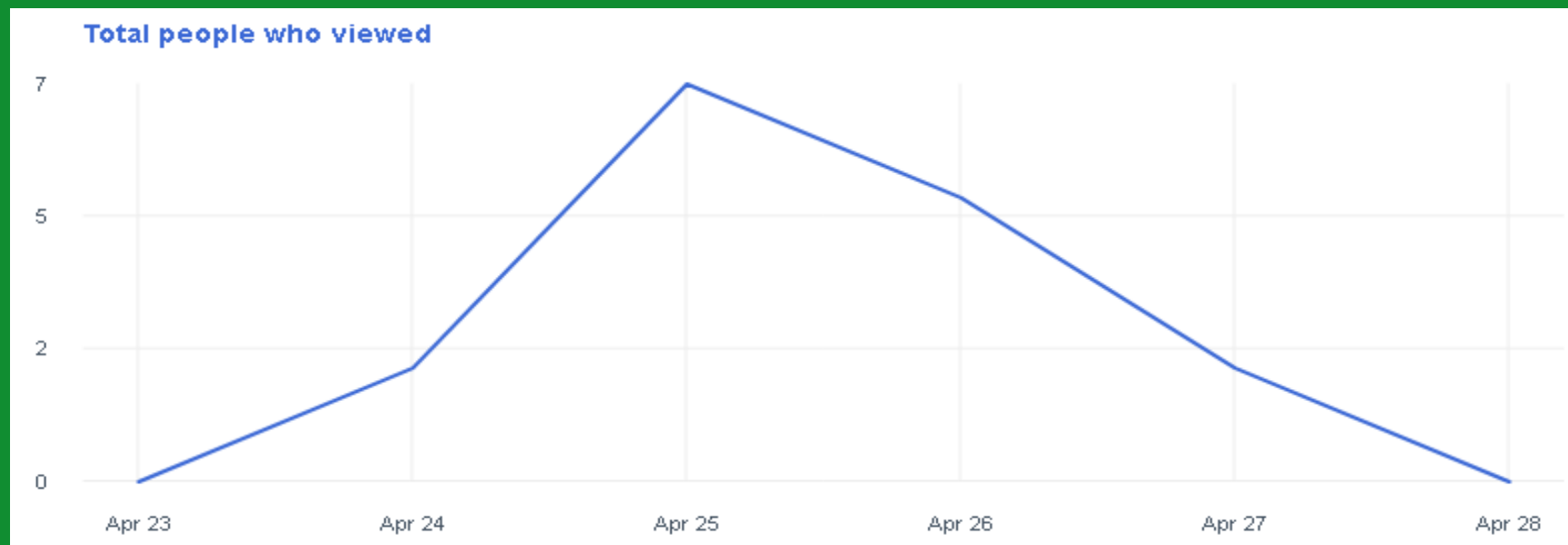
LinkedIn



Top job functions



Facebook



Data Analysis Ideas

- **Fund Sources Location (Bar)**
- **Fund Sources Funding Possibility (Pie)**
- **Organization Location (Bar)**
- **Organization Category (Pie)**
- **Organization Status (Pie)**
- **Social Post Platforms (Pie)**
- **Product Price (Hist)**
- **Consumer Location (Bar)**
- **Consumer Age (Hist)**

Implementations

UIUX

TechShoi.

Home

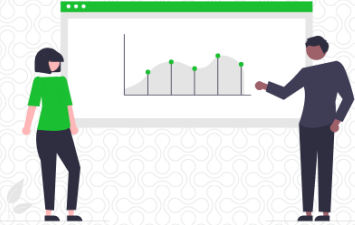
Main

Admin

Analytics

Log out


Easier
Database Management
& **Analytical** Support





Application**Details.**


Maintaining a resourceful database is nowadays crucial for the development of an organization. But only database management isn't sufficient for that purpose. We need to represent them with proper analytics. There is so much going on in the background of such operations. That's why TechShoi took the initiative of creating a database management application that will help them to achieve their goals. This database application is mainly built with Python's Django framework and SQLite database.


Please help us to make this application accurate by reporting bugs.











Created by Ahammad Shawki

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TechShoi.



Easier
Database Management
& **Analytical** Support



TechShoi

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	✎ Change
Users	+ Add	✎ Change
CORE		
Consumers	+ Add	✎ Change
Fund sources	+ Add	✎ Change
Initiatives	+ Add	✎ Change
Organizations	+ Add	✎ Change
Products	+ Add	✎ Change
Social posts	+ Add	✎ Change
Strategys	+ Add	✎ Change
Tags	+ Add	✎ Change

Recent actions
My actions
<div><div></div>MontasirJim</div> <div>User</div>
<div><div></div>salmansakir</div> <div>User</div>
<div><div></div>MontasirJim</div> <div>User</div>
<div><div></div>salmansakir</div> <div>User</div>
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<div><div></div>salmansakir</div> <div>User</div>
<div><div></div>Ahammad</div> <div>User</div>

TechShoi

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	✎ Change
Users	+ Add	✎ Change
CORE		
Consumers	+ Add	✎ Change
Fund sources	+ Add	✎ Change
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Strategys	+ Add	✎ Change
Tags	+ Add	✎ Change

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TechShoi

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- [+ MontasirJim](#)
User
- [✗ salmansakir](#)
User
- [+ salmansakir](#)
User
- [✎ Ahammad](#)
User

Admin Page

Database administration

WELCOME, AHAMMAD. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

TechShoi

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

✎ Change

Users

+ Add

✎ Change

CORE

Consumers

+ Add

✎ Change

Fund sources

+ Add

✎ Change

Initiatives

+ Add

✎ Change

Organizations

+ Add

✎ Change

Products

+ Add

✎ Change

Social posts

+ Add

✎ Change

Strategys

+ Add

✎ Change

Tags

+ Add

✎ Change

Database administration

WELCOME, AHAMMAD. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Core > Fund sources

Select fund source to change

ADD FUND SOURCE +

🔍

Search

Action:

▼

Go

0 of 3 selected

<input type="checkbox"/>	NAME	LOCATION	EMAIL
<input type="checkbox"/>	UNICEF Bangladesh	Dhaka, Bangladesh	unicefbd@gmail.com
<input type="checkbox"/>	Bill & Melinda Gates Foundation	Silicon Valley, United States	info@gatesfoundation.org
<input type="checkbox"/>	10 minute school	Dhaka, Bangladesh	info@10minuteschool.org

3 fund sources

Database administration

WELCOME, AHAMMAD. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home > Core > Fund sources > UNICEF Bangladesh > High

Change fund source

UNICEF Bangladesh > High

HISTORY

Name:

UNICEF Bangladesh

Location:

Dhaka, Bangladesh

Email:

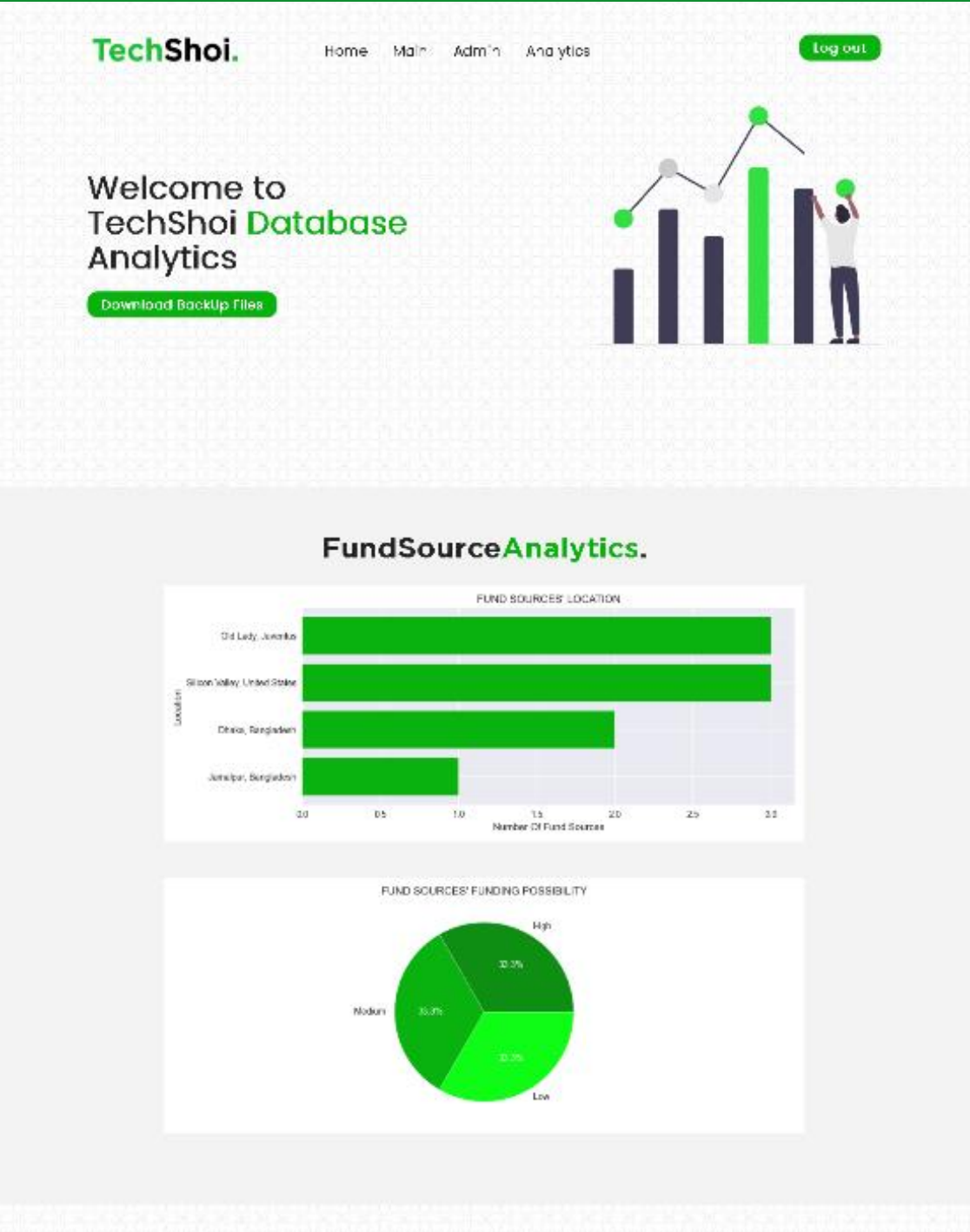
unicefbd@gmail.com

Site:

Currently: <https://www.unicefbd.com/>

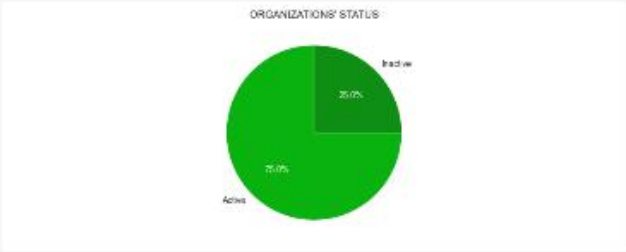
Change: <https://www.unicefbd.com/>

Analytics Page

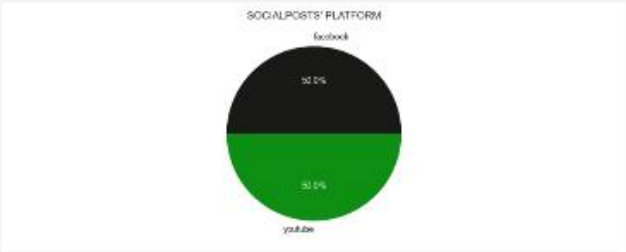


Analytics Page

OrganizationAnalytics.



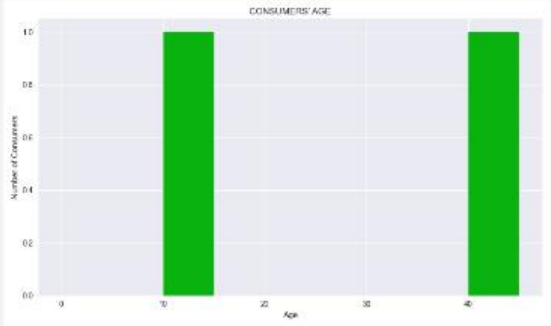
SocialPostAnalytics.



ProductAnalytics.



ConsumerAnalytics.



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Quick Recap

Features

- **Access data easily ✓**
- **User friendly interface ✓**
- **Customizable with-comment code ✓**
- **Universally unique identifiers ✓**
- **Backup data in excel sheets + Data Recovery Strategy ✓**
- **Data analysis support ✓**
- **4 layered Security Measurements ✓**
- **Responsive Web Application ✓**
- **Data Entry Focused Application ✓**
- **Bug Report ✓**
- **Debug is always turned on ✓**
- **Dark Theme Admin Site ✓**