

The AS8 Organization Database Application

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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** ✓

Databases & Tables

Authentication Database

Group

User

Core Database

UserAdditionalInfo

Tag

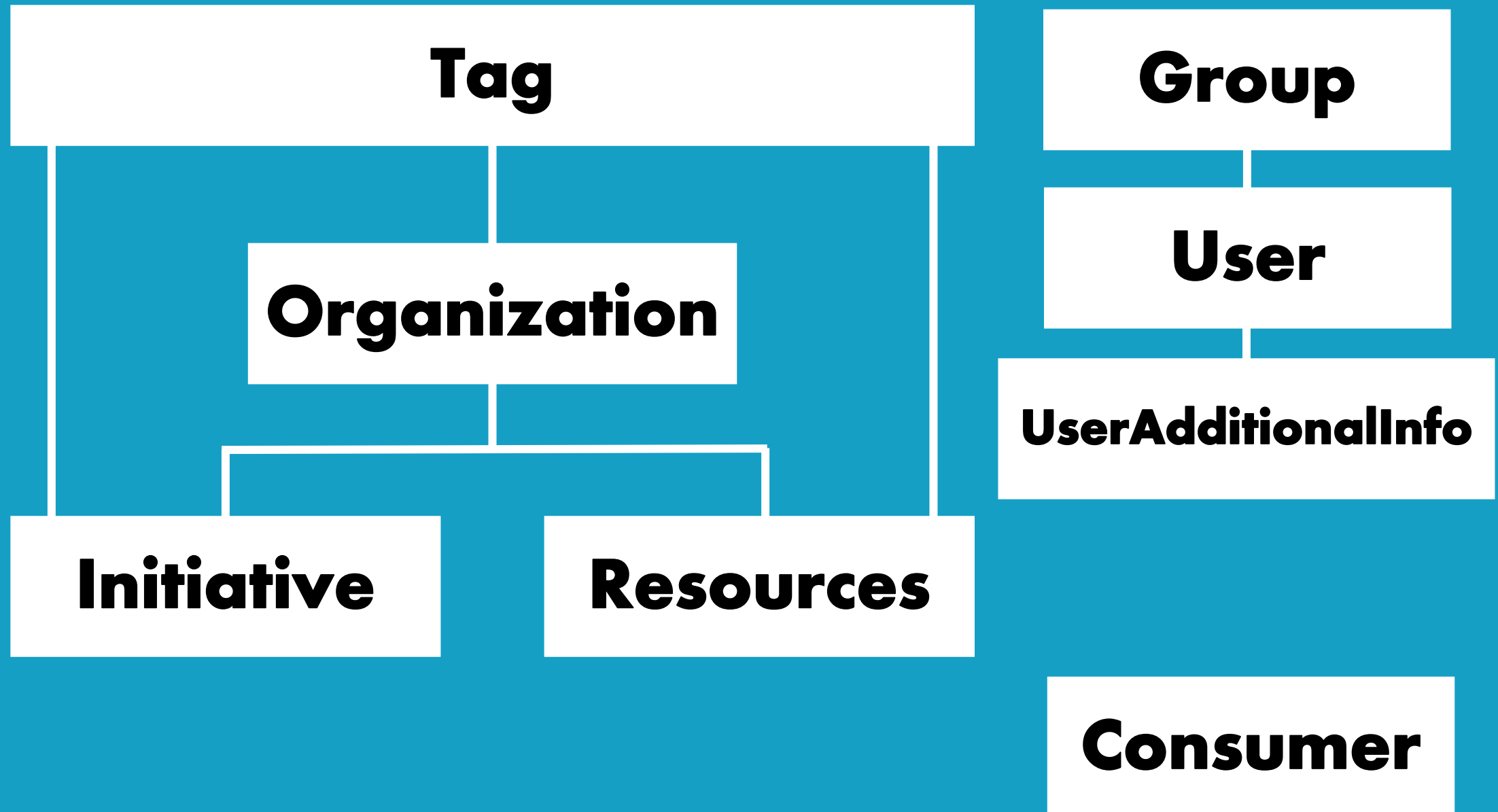
Organization

Initiative

Resource

Consumer

Tables Dependency Chart



Tables
Columns
Relationships
Plan.

Tag	
Id	UUID, PRIMARY KEY, NOT NULL
Value	CHARFIELD(MAX_LENGTH = 100), UNIQUE, NOT NULL

Search Filter

Value

List Filter

-

Organization	
Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH=100), UNIQUE, NOT NULL
Email	EMAIL_FIELD, UNIQUE, NULL
Site	URL_FIELD, NULL
Location	CHARFIELD(MAX_LENGTH=100), NOT NULL
IsClub	BOOLEAN_FIELD, NOT NULL
Institution	CHARFIELD(MAX_LENGTH=100), NULL
Popularity	SELECT_FIELD (HIGH MID LOW), NOT NULL
IsActive	BOOLEAN_FIELD, NOT NULL
Tags	MANY-TO-MANY FIELD, NULL

Search Filter

Name, Location, Email, Site, Institution

List Filter

Popularity, IsClub, isActive, Tags

Initiative (/Event)	
Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH=100), UNIQUE, NOT NULL
Date	DATEFIELD, NULL
Site	URL_FIELD, NULL
Organization	FOREIGN KEY, NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name, Link

List Filter

Date, Organization, Tags

Resource	
Id	UUID, PRIMARY KEY, NOT NULL
Name	CHARFIELD(MAX_LENGTH=100), NOT NULL
Description	TEXT_FIELD, NOT NULL
Date	DATEFIELD, NULL
Link	URL_FIELD, NOT NULL
Organization	FOREIGN KEY, NULL
Initiative	MANY-TO-MANY RELATIONSHIP, NULL
CanDisplay	BOOLEAN FIELD, NOT NULL
Tags	MANY-TO-MANY RELATIONSHIP, NULL

Search Filter

Name, Description, Link

List Filter

Date, Organization, Initiative, CanDisplay, Tags

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

Search Filter

Name, Email, Location, Profession, Institution, Social Link

List Filter

Age

Data Entry Rules

- **Location**
Dhaka, Bangladesh
Delhi, India
- **Site / link**
Starts with https://
- **Popularity**
Low <8000
Mid <25000
High >25000
- **Be Careful when deleting records**
- **Report Bugs when necessary**
- **Notify me anytime when face an error**

DATA ANALYSIS & VISUALIZATION Plan.

Data Analysis Ideas

- **Organization Location (Bar)**
- **Organization IsClub (Pie)**
- **Organization Popularity (Pie)**
- **Organization IsActive (Pie)**
- **Initiative's Organization (Bar)**
- **Resource's Organization(Hist)**
- **Consumer Age (Hist)**
- **Consumer Location (Bar)**
- **Consumer Profession (Bar)**
- **Consumer Institution (Bar)**