

# **The AS8 Organization Database Application**

# 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

**Tag**

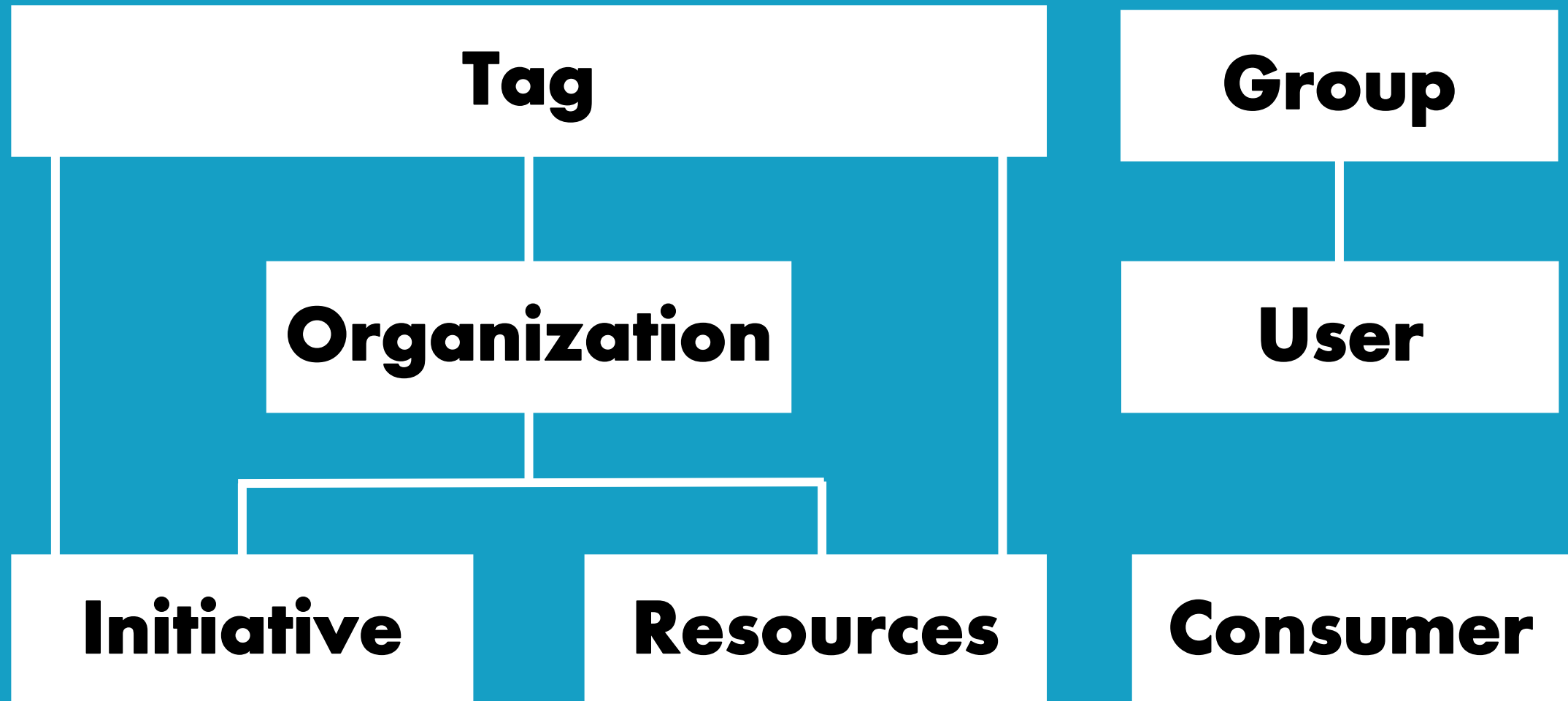
**Organization**

**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)**