Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Soldier   * Id * Name * Post * DOB * DOJ * SquadNo * Height * Weight * Chest * Gender | Inventory   * Id * WeaponNm * Category   Reward   * Id * medalName * Year | Batalian   * SquadNo * Batalian Name * Captain\_id * Year * TotalCaptaincy | Posting   * Id * Pincode * date | Soldier Status   * Id * Alive |  |

Mission

* Soldier\_Id
* Mission\_id unique
* Mission\_name
* Start date
* End date
* leadBy(other sodier Id)

CREATE TABLE batalian (

    batalian\_name VARCHAR(100) NOT NULL,

    captain\_name VARCHAR(100) NOT NULL,

    year INT NOT NULL,

    total\_capacity INT NOT NULL CHECK (total\_capacity > 0),

    PRIMARY KEY (batalian\_name, year)

);

-- ---------------------------------------------------------------------------

-- Soldier Entity (Prime)

-- DOJ (Date of joining)

-- DOB (Date of Birth)

CREATE TABLE soldier (

    soldier\_id INT NOT NULL,

    name VARCHAR(100) NOT NULL,

    post VARCHAR(30) NOT NULL,

    doj DATE NOT NULL,

    dob DATE NOT NULL,

    gender INT NOT NULL CHECK (gender IN (0, 1)), -- Assuming 0 for female and 1 for male

    height INT CHECK (height > 152),

    weight INT CHECK (weight > 50),

    chest INT CHECK (chest > 52),

    squad\_no INT NOT NULL,

    status VARCHAR(20) DEFAULT 'Active', -- Can be updated to 'Retired', 'Deceased', etc.

    PRIMARY KEY (soldier\_id),

    FOREIGN KEY (batalian\_name, year) REFERENCES batalian(batalian\_name, year)

);

-- ---------------------------------------------------------------------------

CREATE TABLE Inventory (

    inventory\_id INT AUTO\_INCREMENT PRIMARY KEY,

    weapon\_nm VARCHAR(100) NOT NULL,

    category VARCHAR(50) NOT NULL,

    soldier\_id INT NOT NULL,

    FOREIGN KEY (soldier\_id) REFERENCES Soldier(soldier\_id)

);

-- ---------------------------------------------------------------------------

CREATE TABLE Location (

    location\_id INT AUTO\_INCREMENT PRIMARY KEY,

    pincode INT NOT NULL UNIQUE,

    location\_name VARCHAR(255) NOT NULL

);

-- ---------------------------------------------------------------------------

CREATE TABLE Posting (

    posting\_id INT AUTO\_INCREMENT PRIMARY KEY,

    date DATE NOT NULL,

    soldier\_id INT NOT NULL,

    FOREIGN KEY (soldier\_id) REFERENCES Soldier(soldier\_id),

    FOREIGN KEY (location\_id) REFERENCES Location(location\_id)

);

-- ---------------------------------------------------------------------------

CREATE TABLE Mission (

    mission\_id INT AUTO\_INCREMENT PRIMARY KEY,

    soldier\_id INT NOT NULL,

    mission\_name VARCHAR(255) NOT NULL,

    start\_date DATE NOT NULL,

    end\_date DATE, -- Allow NULL for ongoing missions

    lead\_by INT, -- Allow NULL for missions without a designated leader

    FOREIGN KEY (soldier\_id) REFERENCES Soldier(soldier\_id),

    FOREIGN KEY (lead\_by) REFERENCES Soldier(soldier\_id)

);

// soldiers list

<https://docs.google.com/spreadsheets/d/1fJrfW7TdyOcX5P-FHbHUHZpPH9Fz0k-mhpEviKWaP0I/edit?gid=1382048006#gid=1382048006>

// Batalian  
<https://docs.google.com/spreadsheets/d/1a0kntmbGzvYc73h7v2pE05pVdN1DvOujiLcXqEBmd_s/edit?gid=1786740684#gid=1786740684>

// location  
<https://docs.google.com/spreadsheets/d/1BD_UbkJNilM9wqTttUS06FQZSC86tvvYrLVl3wIWClY/edit?gid=799213983#gid=799213983>

//posting  
<https://docs.google.com/spreadsheets/d/1qUihqfPQPgE0-nXPI_Ms2ViyJt6INRTwViJX9fss_Rc/edit?gid=1575910287#gid=1575910287>

// inventory  
<https://docs.google.com/spreadsheets/d/16Ivap5ytb-juMft9z46AQmPANP47u_3yXXAIcSXV1Fk/edit?gid=3775530#gid=3775530>

// mission   
<https://docs.google.com/spreadsheets/d/1cYmU4lVOADI_ZS-ylgR3_k3LVUy9Ht52wHxa0lkGbRg/edit?gid=1130646064#gid=1130646064>