Military Database

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The motivation and goal are to keep track of personnel, equipment, vehicles, and missions across multiple bases. Recording the dates in some entities will ensure we preserve useful historical data.

- Soldier has 1 or N Specialties. Specialty can belong to 0 or N members.
- Soldier has 1 Rank. Rank can belong to 0 or N members.
- Soldier has 0 or 1 supervisor (recursive relationship with another member).
- Soldier (must be sergeant or higher rank) can manage 0 or N Missions. Each Mission is managed by 1 Soldier (must be sergeant or higher rank).
- Mission is located in 1 Location. Location can have 0 or N Missions.
- Base IS-A Barracks or Storage.
- Soldier belongs to 0 or 1 Base (Barracks). Base (Barracks) has 0 or N Soldier s.
- Base is located in 1 Location. Location can have 0 or N Bases.
- Soldier can participate in only 1 Mission at a time but can be in multiple when they end, Mission can have 1 or N Soldier s.
- Vehicle is assigned to 0 or 1 Base (Storage). Base (Storage) can have 0 or N Vehicles.
- Equipment originates from 0 or 1 Base (Storage). Base (Storage) can have multiple Equipment.
- Soldier owns 0 or N Equipment, Equipment is owned by 0 or 1 Soldier.
- Soldier drives 0 or 1 Vehicle, Vehicle is driven by 0 or 1 Soldier.
- Mission Participation (Soldier +Mission) can be awarded 0 or 1 Medals. Mission Participation can have 0 or 1 Medals.
- Vehicle is one Vehicle Type. Vehicle Type can have 0 or N Vehicles.
- Equipment is one Equipment Type. Equipment Type can have 0 or N Equipments.
- Medal is one Medal Type. Medal Type can have 0 or N Medals.

Entities:

Soldier	
id	The unique id of member.
first_name	Person's first name.
last_name	Person's last name.
date_of_joining	The date when the Soldier started his service.

Rank	
id	The unique identifier.
name	Rank's name (e.g., soldier, sergeant, captain).
description	Rank's description (optional).

Specialty	
id	The unique identifier.
name	Specialty's name (e.g., pilot, tank operator, medic, mechanic,).
description	Specialty's description (optional).

Base		
id	The unique identifier.	
name	Base's name.	
type	Barracks or Storage.	

Location	
id	The unique identifier.
country	The country of the location.
city	The city of the location.

Equipment	
id	The unique identifier.
status	Status (functional, broken)

Equipment Type	
id	The unique identifier.
type	Type (e.g., weapon, communication device, uniform, etc.).

Vehicle	
id	The unique identifier.

Vehicle Type	
id The unique identifier.	
model_name	Model of vehicle.
name	Vehicle Type name (e.g., aircraft, tank, helicopter, transporter, etc.).

Mission		
id	The unique identifier.	
name	Mission name.	
description	Mission's description.	
start_date	Date and time when mission begins.	
end_date	The date when it has completed. Might be null depending on status.	
status	status (planned, active, completed, cancelled)	

Medal	
id	The unique identifier.
award_date	The date when award has been received.
description	Why the medal was awarded.

Medal Type	
id	The unique identifier.
name	The name of the medal.