## 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.

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

## Entities:

Military Member	
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 military member started his service.

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

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

Military Base	
base_id	The unique identifier.
name	Military Base's name.
type	Personnel facility or Storage facility.

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

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

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

Vehicle	
vehicle_id	The unique identifier.

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

Mission	
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)

Service Medal (Weak Entity)		
mission_participation_id	The unique identifier.	
award_date	The date when award has been received.	
description	Why the medal was awarded.	