

DATABASE SCHEMATICS EXAMPLE

1. Platform Features Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
feature	string	NO	NO	YES	NO	
description	longtext	NO	NO	NO	NO	

2. User Roles Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
role	string	NO	NO	YES	NO	
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

3. Users Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
surname	string	NO	NO	YES	NO	
first_name	string	NO	NO	NO	NO	

other_names	string	NO	NO	NO	NO	
email	string	NO	NO	NO	NO	
password	string	NO	NO	NO	NO	
role_id	integer	NO	NO	NO	YES	User Roles
status	enum["active","suspended","banned"]					
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

4. User Permissions Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
role_id	integer	NO	NO	NO	YES	User Roles
feature_id	integer	NO	NO	NO	YES	Platform Features
can_create	boolean	NO	NO	NO		
can_edit	boolean	NO	NO	NO		
can_delete	boolean	NO	NO	NO		
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

5. MDAs Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
mda	string	NO	NO	YES	NO	
mda_code	string	NO	NO	YES	NO	
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

6. Pay Groups Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
paygroup	string	NO	NO	YES	NO	
paygroup_code	string	NO	NO	YES	NO	
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

7. Grade Levels Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
level	string	NO	NO	YES	NO	

created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

8. Steps Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
step	string	NO	NO	YES	NO	
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

9. LGA Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
lga	string	NO	NO	YES	NO	
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

10. Employees Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
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id	integer	NO	YES	YES	NO	
mda_id	integer	NO	NO	NO	YES	MDAs
paygroup_id	integer	NO	NO	NO	YES	Pay Groups
level_id	integer	NO	NO	NO	YES	Grade Levels
step_id	integer	NO	NO	NO	YES	Steps
employee_number	string	NO	YES	YES	NO	
surname	string	NO	NO	NO	NO	
first_name	string	NO	NO	NO	NO	
middle_name	string	NO	NO	NO	NO	
email	string	YES	NO	NO	NO	
password	string (hashed)	NO	NO	NO	NO	
phone	string	YES	NO	NO	NO	
dob	date	YES	NO	NO	NO	
gender	string	YES	NO	NO	NO	
marital_status	string	YES	NO	NO	NO	
religion	string	YES	NO	NO	NO	
first_appointment_date	date	YES	NO	NO	NO	
confirmation_date	date	YES	NO	NO	NO	

present_appointment_date	date	YES	NO	NO	NO	
retirement_date	date	YES	NO	NO	NO	
rank	string	YES	NO	NO	NO	
lga	string	YES	NO	NO	NO	
qualifications	string	YES	NO	NO	NO	
net_pay	double (12,2)	YES	NO	NO	NO	
passport	text	YES	NO	NO	NO	
user_id	integer	NO	NO	NO	YES	Users
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

10. Documents Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
employee_id	integer	NO	NO	NO	YES	Employees
document_type	string	NO	NO	NO	NO	
document	text	NO	NO	NO	NO	
user_id	integer	NO	NO	NO	YES	Users
created_at	timestamp	NO	NO	NO		

updated_at	timestamp	NO	NO	NO		
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11. Transfer History Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
employee_id	integer	NO	NO	NO	YES	Employees
previous_mda	integer	NO	NO	NO	YES	MDAs
current_mda	integer	NO	NO	NO	YES	MDAs
effective_date	date	NO	NO	NO	NO	
supporting_document	integer	NO	NO	NO	YES	Documents
user_id	integer	NO	NO	NO	YES	Users
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		
Other Fields will be added as soon as we get the Template for Transfers from the MD/CEO						

12. Promotion History Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
employee_id	integer	NO	NO	NO	YES	Employees

previous_level	integer	NO	NO	NO	YES	Grade Levels
previous_step	integer	NO	NO	NO	YES	Steps
current_level	integer	NO	NO	NO	YES	Grade Levels
current_step	integer	NO	NO	NO	YES	Steps
promotion_type	enum ["level advancement", "step advancement"]	NO	NO	NO	NO	
effective_date	date	NO	NO	NO	NO	
supporting_document	integer	NO	NO	NO	YES	Documents
user_id	integer	NO	NO	NO	YES	Users
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

13. Commendations/Awards Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
employee_id	integer	NO	NO	NO	YES	Employees
award	string	NO	NO	NO	NO	
awarding_body	string	NO	NO	NO	NO	
award_date	date	NO	NO	NO	NO	

supporting_document	integer	NO	NO	NO	YES	Documents
user_id	integer	NO	NO	NO	YES	Users
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		

14. Queries/Misconduct Table:

Field	Data Type	Nullable?	Primary Key?	Unique?	Foreign Key	Referenced Table
id	integer	NO	YES	YES	NO	
employee_id	integer	NO	NO	NO	YES	Employees
query	longtext	NO	NO	NO	NO	
date_issued	date	NO	NO	NO	NO	
supporting_document	integer	NO	NO	NO	YES	Documents
user_id	integer	NO	NO	NO	YES	Users
created_at	timestamp	NO	NO	NO		
updated_at	timestamp	NO	NO	NO		