My Custom Database Schema

Database Schema Documentation

Database diagram with 12 tables and 11 relationships

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Database Type: POSTGRESQL

Schema: public

Tables: 12

Relationships: 11

📊 Overview

This document provides comprehensive documentation for the database schema "My Custom Database Schema". The schema contains 12 tables with 11 relationships defined between them.

Schema Summary

- **Total Tables:** 12
- **Total Columns:** 157
- **Primary Keys:** 12
- **Foreign Keys:** 8
- **Relationships:** 11

🗂️ Tables

📋 workflow_request_conditions

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
request_id	`BIGINT`	FK	-	-
state	`VARCHAR`	NOT NULL	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-

📋 workflow_request_tasks

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
request_id	`INTEGER`	FK	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-
comment	`TEXT`		-	-
responsible_id	`INTEGER`		-	-
responsible_type	`VARCHAR`		-	-
started_by	`INTEGER`		-	-
started_at	`INTEGER`		-	-

Column Name	Data Type	Constraints	Default Value	Description
end_by	`INTEGER`		-	-
end_at	`INTEGER`		-	-
end_comment	`TEXT`		-	-
deadline_at	`INTEGER`		-	-
started_branch_id	`INTEGER`		-	-
end_branch_id	`INTEGER`		-	-
responsible_branch_id	`INTEGER`		-	-
created_branch_id	`INTEGER`		-	-
end_transition	`VARCHAR`		-	-
transition_names	`JSON`		-	-
permissions_view	`JSON`		-	-
can_apply_transition	`JSON`		-	-
can_view	`JSON`		-	-
parent_task_id	`BIGINT`		-	-
current_state	`VARCHAR`		-	-

📋 workflow_requests

Column Name	Data Type	Constraints	Default Value	Description
id	UUID	PK NOT NULL	-	-
loan_id	BIGINT	NOT NULL	-	-
created_by	INTEGER		-	-
updated_by	INTEGER		-	-
created_at	INTEGER		-	-
updated_at	INTEGER		-	-
deleted_by	INTEGER		-	-
deleted_at	INTEGER		-	-
is_deleted	BOOLEAN		-	-
status	INTEGER		-	-
process_id	INTEGER	FK NOT NULL	-	-
process_term_id	INTEGER	FK NOT NULL	-	-
current_state_name	VARCHAR		-	-
current_task_id	BIGINT		-	-

Column Name	Data Type	Constraints	Default Value	Description
branch_id	`INTEGER`		-	-

📋 process

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-

📋 process_terms

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-

📋 checkpoints

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
loan_id	`BIGINT`		-	-
request_id	`BIGINT`	FK	-	-
deadline_datetime	`TIMESTAMP`		-	-
completed_datetime	`TIMESTAMP`		-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-
begin_datetime	`TIMESTAMP`		-	-

📋 process_documents

Column Name	Data Type	Constraints	Default Value	Description
created_by	INTEGER		-	-
id	UUID	PK NOT NULL	-	-
title	VARCHAR		-	-
uid	VARCHAR		-	-
process_id	INTEGER	FK	-	-
updated_by	INTEGER		-	-
created_at	INTEGER		-	-
updated_at	INTEGER		-	-
deleted_by	INTEGER		-	-
deleted_at	INTEGER		-	-
is_deleted	BOOLEAN		-	-
status	INTEGER		-	-
is_required	BOOLEAN		-	-
description	TEXT		-	-

📋 tabs

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
name	`VARCHAR`		-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-
tab_able_type	`VARCHAR`		-	-

📋 tab_workflow_states

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-
state_id	`INTEGER`	FK	-	-
tab_id	`INTEGER`	FK	-	-

📋 states

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
name	`VARCHAR`		-	-
created_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-

📋 workflow_requests_documents

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-
request_id	`BIGINT`	FK	-	-
process_document_id	`INTEGER`	FK	-	-

📋 process_products

Column Name	Data Type	Constraints	Default Value	Description
id	`UUID`	PK NOT NULL	-	-
created_by	`INTEGER`		-	-
updated_by	`INTEGER`		-	-
created_at	`INTEGER`		-	-
updated_at	`INTEGER`		-	-
deleted_by	`INTEGER`		-	-
deleted_at	`INTEGER`		-	-
is_deleted	`BOOLEAN`		-	-
status	`INTEGER`		-	-
code	`VARCHAR`		-	-
process_id	`INTEGER`	FK	-	-
type	`VARCHAR`		-	-

🔗 Relationships

The following relationships are defined between tables in this schema:

workflow_requests → workflow_request_conditions

Type: One-to-Many
From Column: id
To Column: request_id
On Delete: RESTRICT
On Update: RESTRICT

workflow_requests → workflow_request_tasks

Type: One-to-Many
From Column: id
To Column: request_id
On Delete: RESTRICT
On Update: RESTRICT

process → workflow_requests

Type: One-to-Many
From Column: id
To Column: process_id
On Delete: RESTRICT
On Update: RESTRICT

process_terms → workflow_requests

Type: One-to-Many
From Column: id
To Column: process_term_id
On Delete: RESTRICT
On Update: RESTRICT

workflow_requests → checkpoints

Type: One-to-Many
From Column: id

To Column: request_id
On Delete: RESTRICT
On Update: RESTRICT

process → process_documents

Type: One-to-Many
From Column: id
To Column: process_id
On Delete: RESTRICT
On Update: RESTRICT

tabs → tab_workflow_states

Type: One-to-Many
From Column: id
To Column: tab_id
On Delete: RESTRICT
On Update: RESTRICT

states → tab_workflow_states

Type: One-to-Many
From Column: id
To Column: state_id
On Delete: RESTRICT
On Update: RESTRICT

process_documents → workflow_requests_documents

Type: One-to-Many
From Column: id
To Column: process_document_id
On Delete: RESTRICT
On Update: RESTRICT

workflow_requests → workflow_requests_documents

Type: One-to-Many
From Column: id

To Column: request_id
On Delete: RESTRICT
On Update: RESTRICT

process → process_products

Type: One-to-Many
From Column: id
To Column: process_id
On Delete: RESTRICT
On Update: RESTRICT

Below is the complete SQL schema for creating this database:

```
-- Database Schema: 12 tables -- Table:
workflow_request_conditions CREATE TABLE
workflow_request_conditions ( id UUID NOT NULL PRIMARY KEY,
request_id BIGINT, state VARCHAR NOT NULL, created_by INTEGER,
updated_by INTEGER, created_at INTEGER, updated_at INTEGER,
deleted_by INTEGER, deleted_at INTEGER, is_deleted BOOLEAN, status
INTEGER ); -- Table: workflow_request_tasks CREATE TABLE
workflow_request_tasks ( id UUID NOT NULL PRIMARY KEY, request_id
INTEGER, created_by INTEGER, updated_by INTEGER, created_at
INTEGER, updated_at INTEGER, deleted_by INTEGER, deleted_at
INTEGER, is_deleted BOOLEAN, status INTEGER, comment TEXT,
responsible_id INTEGER, responsible_type VARCHAR, started_by
INTEGER, started_at INTEGER, end_by INTEGER, end_at INTEGER,
end_comment TEXT, deadline_at INTEGER, started_branch_id INTEGER,
end_branch_id INTEGER, responsible_branch_id INTEGER,
created_branch_id INTEGER, end_transition VARCHAR,
transition_names JSON, permissions_view JSON, can_apply_transition
JSON, can_view JSON, parent_task_id BIGINT, current_state VARCHAR
); -- Table: workflow_requests CREATE TABLE workflow_requests ( id
UUID NOT NULL PRIMARY KEY, loan_id BIGINT NOT NULL, created_by
INTEGER, updated_by INTEGER, created_at INTEGER, updated_at
INTEGER, deleted_by INTEGER, deleted_at INTEGER, is_deleted
BOOLEAN, status INTEGER, process_id INTEGER NOT NULL,
process_term_id INTEGER NOT NULL, current_state_name VARCHAR,
current_task_id BIGINT, branch_id INTEGER ); -- Table: process
CREATE TABLE process ( id UUID NOT NULL PRIMARY KEY, created_by
INTEGER, updated_by INTEGER, created_at INTEGER, updated_at
INTEGER, deleted_by INTEGER, deleted_at INTEGER, is_deleted
BOOLEAN, status INTEGER ); -- Table: process_terms CREATE TABLE
process_terms ( id UUID NOT NULL PRIMARY KEY, created_by INTEGER,
updated_by INTEGER, created_at INTEGER, updated_at INTEGER,
deleted_by INTEGER, deleted_at INTEGER, is_deleted BOOLEAN, status
INTEGER ); -- Table: checkpoints CREATE TABLE checkpoints ( id
UUID NOT NULL PRIMARY KEY, loan_id BIGINT, request_id BIGINT,
deadline_datetime TIMESTAMP, completed_datetime TIMESTAMP,
created_by INTEGER, updated_by INTEGER, created_at INTEGER,
updated_at INTEGER, deleted_by INTEGER, deleted_at INTEGER,
is_deleted BOOLEAN, status INTEGER, begin_datetime TIMESTAMP ); --
Table: process_documents CREATE TABLE process_documents (
created_by INTEGER, id UUID NOT NULL PRIMARY KEY, title VARCHAR,
uid VARCHAR, process_id INTEGER, updated_by INTEGER, created_at
```

```
INTEGER, updated_at INTEGER, deleted_by INTEGER, deleted_at
INTEGER, is_deleted BOOLEAN, status INTEGER, is_required BOOLEAN,
description TEXT ); -- Table: tabs CREATE TABLE tabs ( id UUID NOT
NULL PRIMARY KEY, name VARCHAR, created_by INTEGER, updated_by
INTEGER, created_at INTEGER, updated_at INTEGER, deleted_by
INTEGER, deleted_at INTEGER, is_deleted BOOLEAN, status INTEGER,
tab_able_type VARCHAR ); -- Table: tab_workflow_states CREATE
TABLE tab_workflow_states ( id UUID NOT NULL PRIMARY KEY,
created_by INTEGER, updated_by INTEGER, created_at INTEGER,
updated_at INTEGER, deleted_by INTEGER, deleted_at INTEGER,
is_deleted BOOLEAN, status INTEGER, state_id INTEGER, tab_id
INTEGER ); -- Table: states CREATE TABLE states ( id UUID NOT NULL
PRIMARY KEY, name VARCHAR, created_by INTEGER, created_at INTEGER,
updated_by INTEGER, updated_at INTEGER, deleted_by INTEGER,
deleted_at INTEGER, is_deleted BOOLEAN, status INTEGER ); --
Table: workflow_requests_documents CREATE TABLE
workflow_requests_documents ( id UUID NOT NULL PRIMARY KEY,
created_by INTEGER, updated_by INTEGER, created_at INTEGER,
updated_at INTEGER, deleted_by INTEGER, deleted_at INTEGER,
is_deleted BOOLEAN, status INTEGER, request_id BIGINT,
process_document_id INTEGER ); -- Table: process_products CREATE
TABLE process_products ( id UUID NOT NULL PRIMARY KEY, created_by
INTEGER, updated_by INTEGER, created_at INTEGER, updated_at
INTEGER, deleted_by INTEGER, deleted_at INTEGER, is_deleted
BOOLEAN, status INTEGER, code VARCHAR, process_id INTEGER, type
VARCHAR );
```