

Entities

Master Module

practice_areas

Contains master records for lawyer types

Constraint	Field	Type	Remarks
pk	id		
unique	name		

court_types

Constraint	Field	Type	Remarks
pk	id		
unique	name		
fk	parent_court		reference - court_types (self join) E.g. - Parent of high court is supreme court

courts

Constraint	Field	Type	Remarks
pk	id		
fk	court_type		references - court_types
	place		
	address		
	contact_no		

User Module

users

Constraint	Field	Type	Remarks
pk	id		
unique	username		Email address
	password		
	phone		
	role	enum	CLIENT, LAWYER, JUDGE, COURT_REPORTER (typewriter)
	status	enum	ACTIVE, BLOCKED
	last_logged	timestamp	

clients

Constraint	Field	Type	Remarks
pk	id		
fk	user_id	NULLABLE	reference - users Client may or may not be a system user
	first_name		
	middle_name		
	last_name		
	contact_no		
	email		
	address		
	city		

lawyers

Constraint	Field	Type	Remarks
pk	id		
fk	user_id		reference - users
	first_name		
	middle_name		
	last_name		
	contact_no		
	email		
	address		
	birthdate		
	gender		
	qualification		
	practice_since	timestamp	Experience will be derived from this field
	photo		URL of path
	registration_no		
	registration_doc		URL of registration certificate

lawyer_practices

Constraint	Field	Type	Remarks
pk	id		
fk	lawyer_id		reference - lawyers
fk	area		reference - practice_areas

judges

Constraint	Field	Type	Remarks
pk	id		
fk	user_id		reference - users
	first_name		
	middle_name		
	last_name		
	contact_no		
	email		
	address		
	birthdate		
	gender		
	qualification		
	photo		URL of path
	registration_no		
	registration_doc		URL of registration certificate

judge_specializations

Constraint	Field	Type	Remarks
pk	id		
fk	judge_id		reference - judges
fk	area		reference - practice_areas

judge_appointments

Constraint	Field	Type	Remarks
pk	id		
fk	judge_id		reference - judges
fk	court_id		reference - courts
	date	date	date of appointment
	is_current	boolean	Current appointment of judge or not

court_reporters

Constraint	Field	Type	Remarks
pk	id		
fk	user_id		reference - users
	first_name		
	middle_name		
	last_name		
	contact_no		
	email		
	address		
	birthdate		
	gender		
	qualification		

Case Module

lawyer_requests

Constraint	Field	Type	Remarks
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pk	id		
fk	client_id		reference - clients
fk	lawyer_id		reference - lawyers
	description		
	status	enum	SENT, APPROVED, REJECTED

cases

Constraint	Field	Type	Remarks
pk	id		
fk	court_id		reference - courts
fk	type		reference - practice_areas
	title		
	description		Abstract case description
	detail_doc		URL of detailed document for case description
	supported_doc		URL of supported documents for case
	status	enum	Detail
fk	pros_client_id		reference - clients
fk	defend_client_id		reference - clients
fk	pros_lawyer_id		reference - lawyers (Chief prosecutor lawyer)
fk	judge_id		reference - judges (Chief judge in case of multiple judges for a case)
fk	defend_lawyer_id		reference - lawyers (Chief defender lawyer)
	admitted_at	timestamp	Date on which case admitted
	responded_at	timestamp	Date on which case was first responded
	initial_response		Initial response by defender lawyer

	next_hearing_at	timestamp	Date on which next hearing is scheduled
	judgement		
	judgement_doc		URL of detailed judgment document
	judgement_at	timestamp	
	case_history	json	Array of previous case(s) linked to this case (in case of the case was already filed in lower courts)

Status

- ADMISSION - Admitted but pending for judge allocation
- ALLOCATED - Judge is allocated but pending from initial remarks from judge
- APPROVED - Case approved by judge and waiting for defender's initial response
- REJECTED - Case rejected by judge
- INITIATED - Initial response of defender received and first hearing date is provided
- PROCESS - First hearing done and not derived judgement, further hearing required and scheduled for the same
- JUDGMENT - Judgement received - no further hearing

case_lawyers

Constraint	Field	Type	Remarks
pk	id		
fk	case_id		reference - cases
fk	lawyer_id		reference - lawyers
	role	enum	PROSECUTOR, DEFENDER
	status	enum	ACTIVE, INACTIVE

case_judges

Constraint	Field	Type	Remarks
pk	id		
fk	case_id		reference - cases
fk	judge_id		reference - judges

	status	enum	ACTIVE, INACTIVE
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case_hearings

Constraint	Field	Type	Remarks
pk	id		
fk	case_id		reference - cases
fk	reporter_id		reference - court_reporters
fk	prev_hearing_id	nullable	reference - case_hearings (self join) (Null in case of first hearing)
	hearing_at	timestamp	
	description		Abstract description of hearing
	detail_doc		URL of detailed documentation for hearing
	status	enum	<ul style="list-style-type: none"> • SCHEDULED - Hearing is scheduled • SKIPPED - Hearing is skipped by either party due to any reason • DONE - Hearing is done

Note

Every table should have timestamps for create and update and should be automatically added to each record.

Constraint	Field	Type	Remarks
	created_at	timestamp	
	updated_at	timestamp	