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		

Case Module

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		reference - clients
fk	defend_client		reference - clients
fk	pros_lawyer		reference - lawyers (Chief prosecutor lawyer)
fk	judge		reference - judges (Chief judge in case of multiple judges for a case)
fk	defend_lawyer		reference - lawyers (Chief 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
- RESPONDED - Initial response received from defender
- INITIATED - 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
	lawyer		
	role	enum	PROSECUTOR, DEFENDER
	status	enum	ACTIVE, INACTIVE

case_judges

Constraint	Field	Type	Remarks
pk	id		
fk	case_id		reference - cases
fk	judge		
	status	enum	ACTIVE, INACTIVE

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	- SCHEDULED - Hearing is scheduled - SKIPPED - Hearing is skipped by either party due to any reason - DONE - Hearing is done

case_invoices

Constraint	Field	Type	Remarks
pk	id		
fk	case_id		reference - cases
fk	client		
fk	lawyer		
	taxable_total	float	
	gst	flost	in %
	payment_status	enum	UNPAID, PAID

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	