

Mongoose Schema Documentation

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1. User

File: `userSchema.js`

Core user entity for authentication and authorization

Field	Type	Description	Required	Notes
role	String	User role	Yes	<code>client</code> , <code>advocate</code> , <code>staff</code> , <code>admin</code> Default: <code>client</code>
full_name	String	Full name	Yes	
email	String	Email address	Yes	Unique
phone	String	Phone number	Yes	Unique
password	String	Hashed password	Yes	
otp_verified	Boolean	OTP verification status	No	Default: <code>false</code>
otp	String	OTP code	No	
otp_expiry	Date	OTP expiry date	No	
created_at	Date	Creation timestamp	Yes	Auto-set

2. Advocate

Legal professional profile with practice details

Field	Type	Description	Required	Notes
user_id	ObjectId	Reference to User	Yes	
designation	String	Professional designation	No	
bar_council_enroll_num	String	Bar enrollment number	No	
experience_years	Number	Years of experience	No	Default: 0
profile_photo_url	String	Profile photo URL	No	
bio	String	Professional bio	No	
slug	String	Profile slug	No	Unique
office_address	String	Office address	No	
available_hours	Object	Available hours by weekday	No	
contact	Object	Contact info	No	{phone, facebook, linkedin}
languages	[String]	Languages spoken	No	
specialization_ids	[ObjectId]	Specialization references	No	
education_ids	[ObjectId]	Education references	No	
certification_ids	[ObjectId]	Certification references	No	
testimonial_ids	[ObjectId]	Testimonial references	No	
case_history_ids	[ObjectId]	Case history references	No	
document_ids	[ObjectId]	Document references	No	
bar_memberships	[Object]	Bar membership details	No	
avg_rating	Number	Average rating	No	Default: 0
total_reviews	Number	Total reviews	No	Default: 0

Field	Type	Description	Required	Notes
consultation_available	Boolean	Consultation availability	No	Default: <code>false</code>
fee_structure	Object	Fee details	No	
stats	Object	Consultation statistics	No	
status	String	Approval status	No	Enum Default: <code>pending</code>
featured	Boolean	Featured status	No	Default: <code>false</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

3. Client

File: `clientSchema.js`

End-user profile with personal information

Field	Type	Description	Required	Notes
user_id	ObjectId	Reference to User	Yes	
nid_number	String	National ID number	No	
date_of_birth	String	Date of birth	No	
gender	String	Gender	No	
profile_photo	String	Profile photo URL	No	
present_address	String	Current address	No	
permanent_address	String	Permanent address	No	
preferred_language	String	Preferred language	No	
consultation_history	[ObjectId]	Consultation references	No	
status	String	Account status	No	Enum Default: <code>inactive</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

4. Case File

File: `caseFileSchema.js`

Legal case management record

Field	Type	Description	Required	Notes
case_number	String	Unique case identifier	Yes	Auto-generated
title	String	Case title	Yes	
advocate_id	ObjectId	Advocate reference	Yes	
client_id	ObjectId	Client reference	No	
client_name	String	Client name	No	
case_type	String	Case category	No	
court_name	String	Court name	No	
status	String	Case status	No	Enum Default: <code>pending</code>
summary	String	Case summary	No	
filing_date	Date	Filing date	No	Default: <code>now</code>
parties	Object	Party information	No	<code>{plaintiff, defendant}</code>
next_hearing_date	Date	Next hearing date	No	
verdict_date	Date	Verdict date	No	
judgment	Object	Judgment details	No	
documents	[Object]	Case documents	No	<code>{documentTitle, documentUrl}</code>
related_laws	[String]	Relevant laws	No	
tags	[String]	Search tags	No	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

5. File Request

File: `fileRequestSchema.js`

Document request management

Field	Type	Description	Required	Notes
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Field	Type	Description	Required	Notes
client_id	ObjectId	Client reference	Yes	
advocate_id	ObjectId	Advocate reference	Yes	
case_id	String	Case identifier	Yes	
case_number	String	Case number	Yes	
title	String	Request title	Yes	
description	String	Request description	No	
documents	[Object]	Document groups	No	<code>{documentTitle, documentUrl: [String]}</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

6. Document

File: `documentSchema.js`

File storage metadata

Field	Type	Description	Required	Notes
user_id	ObjectId	Advocate reference	Yes	
file_url	String	File storage URL	Yes	
file_name	String	Document name	No	
document_type	String	Document category	No	
verified	Boolean	Verification status	No	Default: <code>true</code>
uploaded_at	Date	Upload timestamp	No	Default: <code>now</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

7. Certification

File: `certificationSchema.js`

Professional credentials

Field	Type	Description	Required	Notes
advocate_id	ObjectId	Advocate reference	Yes	
title	String	Certification name	Yes	
issuer	String	Issuing organization	Yes	
year	Number	Year obtained	Yes	
certificate_type	String	Certificate category	No	
certificate_url	String	Certificate file URL	No	
description	String	Additional notes	No	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

8. Staff

File: `staffSchema.js`

Internal team member profile

Field	Type	Description	Required	Notes
fullName	String	Staff full name	Yes	
email	String	Email address	Yes	
password	String	Hashed password	Yes	
nidNumber	String	National ID number	Yes	Unique
permanentAddress	String	Permanent address	Yes	
presentAddress	String	Current address	Yes	
phone	String	Phone number	Yes	
education	[Object]	Education qualifications	No	<code>{degree, passingYear}</code>
designation	String	Job title	No	
department	String	Department	No	
joiningDate	Date	Joining date	No	
dutyShift	String	Work shift	No	
salaryStructure	String	Salary details	No	
incrementHistory	[Object]	Salary increments	No	<code>{date, details}</code>

Field	Type	Description	Required	Notes
promotionHistory	[Object]	Promotions	No	{date, newPosition}
jobResponsibilities	String	Responsibilities	No	
role	String	System role	No	Default: <code>staff</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

9. Testimonial

File: `testimonialSchema.js`

Client endorsement system

Field	Type	Description	Required	Notes
advocate_id	ObjectId	Advocate reference	Yes	
client_name	String	Client name	Yes	
comment	String	Testimonial text	Yes	
rating	Number	Rating score	Yes	Min: 1, Max: 5
date	Date	Testimonial date	Yes	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

10. Rating & Review

File: `ratingReviewSchema.js`

Service evaluation system

Field	Type	Description	Required	Notes
client_id	ObjectId	Client reference	Yes	
advocate_id	ObjectId	Advocate reference	Yes	
rating	Number	Rating score	Yes	Min: 1, Max: 5
review	String	Review text	No	
created_at	Date	Creation timestamp	No	Default: <code>now</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

11. Notification

File: `notificationSchema.js`

System alerts and messaging

Field	Type	Description	Required	Notes
userId	ObjectId	User reference	Yes	
title	String	Notification title	No	
message	String	Notification body	No	
relatedCaseId	ObjectId	Case reference	No	
case_number	String	Case identifier	No	
isRead	Boolean	Read status	No	Default: <code>false</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

12. Admin Log

File: `adminlogSchema.js`

Administrative audit trail

Field	Type	Description	Required	Notes
admin_id	ObjectId	Admin reference	Yes	
action	String	Performed action	Yes	<code>verify_user</code> , <code>approve_advocate</code> , <code>update_service</code>
target_id	ObjectId	Target entity ID	Yes	
target_type	String	Target entity type	Yes	<code>user</code> , <code>service</code> , <code>advocate</code>
notes	String	Additional details	No	
timestamp	Date	Action timestamp	No	Default: <code>now</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

13. Service

File: `serviceSchema.js`

Legal service offerings

Field	Type	Description	Required	Notes
category	ObjectId	Specialization reference	Yes	
subcategory	ObjectId	Subcategory reference	Yes	
serviceImage	String	Service image URL	No	
title	String	Service title	Yes	
description	String	Service description	Yes	
created_by	ObjectId	Creator reference	Yes	
status	String	Service status	No	Enum Default: <code>active</code>
created_at	Date	Creation timestamp	No	Default: <code>now</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

14. Specialization

File: `specializationSchema.js`

Legal practice areas

Field	Type	Description	Required	Notes
name	String	Specialization name	Yes	Unique
image	String	Image URL	No	
details	String	Description	No	
link	String	External reference	No	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

15. Subcategory

File: `subCategorySchema.js`

Specialization subdivisions

Field	Type	Description	Required	Notes
categoryId	ObjectId	Specialization reference	Yes	
name	String	Subcategory name	Yes	Unique, trimmed
image	String	Image URL	No	
description	String	Description	No	
link	String	External reference	No	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

16. Blog

File: `blogSchema.js`

Content publication system

Field	Type	Description	Required	Notes
image	String	Featured image URL	No	
title	String	Blog title	Yes	
content	String	Blog content	Yes	
tags	[String]	Content tags	No	
published_at	Date	Publication date	Yes	Default: <code>now</code>
status	String	Publication status	No	Enum Default: <code>draft</code>
author	String	Author type	Yes	<code>Admin</code> , <code>Advocate</code>
author_id	String	Author identifier	Yes	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

17. Bar Membership

File: `barSchema.js`

Professional association records

Field	Type	Description	Required	Notes
name	String	Bar name	Yes	Unique
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

18. Education

File: `educationSchema.js`

Academic qualifications

Field	Type	Description	Required	Notes
degree_title	String	Degree name	Yes	
institution	String	Institution name	Yes	
passing_year	Number	Graduation year	Yes	
certificate_url	String	Certificate URL	No	
advocate_id	ObjectId	Advocate reference	Yes	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

19. Case History

File: `caseHistory.js`

Historical case records

Field	Type	Description	Required	Notes
advocate_id	ObjectId	Advocate reference	Yes	
ff	ObjectId	User reference	No	
title	String	Case title	Yes	
summary	String	Case summary	Yes	
case_type	String	Case category	No	
court_name	String	Court name	No	
case_number	String	Case identifier	No	
plaintiff_name	String	Plaintiff name	No	

Field	Type	Description	Required	Notes
defendant_name	String	Defendant name	No	
status	String	Case status	No	Default: <code>Pending</code>
hearing_dates	[Date]	Hearing dates	No	
verdict_date	Date	Verdict date	No	
verdict_summary	String	Verdict summary	No	
documents	[Object]	Case documents	No	<code>{name, url}</code>
progress_notes	String	Case notes	No	
is_confidential	Boolean	Confidential flag	No	Default: <code>false</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

20. Chat Session

File: `chatSessionSchema.js`

Real-time messaging

Field	Type	Description	Required	Notes
participants	[ObjectId]	User references	Yes	Exactly 2 participants
messages	[Object]	Message history	No	<code>{sender id, text, timestamp}</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

21. Consultation

File: `consultationSchema.js`

Legal consultation management

Field	Type	Description	Required	Notes
client_id	ObjectId	Client reference	Yes	
advocate_id	ObjectId	Advocate reference	Yes	

Field	Type	Description	Required	Notes
service_request_id	ObjectId	Service request reference	Yes	
scheduled_at	Date	Scheduled time	Yes	
status	String	Consultation status	No	Enum Default: <code>requested</code>
notes	String	Consultation notes	No	
messages	[Object]	Message history	No	<code>{sender id, text, timestamp}</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

22. Contact Us

File: `contactUsSchema.js`

Inquiry management

Field	Type	Description	Required	Notes
name	String	Sender name	Yes	
email	String	Sender email	Yes	
phone	String	Sender phone	Yes	
message	String	Message content	Yes	
createdAt	Date	Creation timestamp	Yes	Auto-set

23. Help & Support

File: `helpAndSupportSchema.js`

Customer support system

Field	Type	Description	Required	Notes
userId	ObjectId	User reference	Yes	
name	String	Sender name	Yes	
email	String	Sender email	Yes	
subject	String	Support subject	Yes	

Field	Type	Description	Required	Notes
message	String	Message content	Yes	
status	String	Request status	No	Enum Default: <code>pending</code>
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

24. Request For Service

File: `requestServiceSchema.js`

Service intake workflow

Field	Type	Description	Required	Notes
clientId	ObjectId	Client reference	Yes	
userMessage	Object	Request details	No	See schema
status	String	Request status	No	Enum Default: <code>pending</code>
adminForwarded	Boolean	Admin forwarding status	No	Default: <code>false</code>
forwardedTo	ObjectId	Advocate reference	No	
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

25. Request For Advocate

File: `requestForAdvocateSchema.js`

Advocate matching system

Field	Type	Description	Required	Notes
userMessage	Object	Request details	No	See schema
client_id	ObjectId	Client reference	Yes	
advocateId	ObjectId	Advocate reference	Yes	
userMessageId	ObjectId	Service request reference	Yes	
status	String	Request status	No	Enum Default: <code>pending</code>

Field	Type	Description	Required	Notes
createdAt/updatedAt	Date	Timestamps	Yes	Auto-set

26. Testimonial

File: `testimonialSchema.js`

(Documented previously in Section 9)