

Admin Schema Table Design

Field	Type	Required	Unique	Description
-----	-----	-----	-----	-----
username	String	true	true	Admin's username
email	String	true	true	Admin's email
password	String	true	false	Admin's password
status	String	true	false	Admin's status
filename	String	true	false	File name

Admin Announcement Schema Table Design

Field	Type	Required	Description
-----	-----	-----	-----
adminID	String	true	Admin's ID
filename	String	true	Filename of announcement
note	String	true	Note for announcement
status	String	true	Status of announcement
createdAt	Date	auto	Timestamp of creation
updatedAt	Date	auto	Timestamp of last update

Attendance Schema Table Design

Field	Type	Required	Description
-----	-----	-----	-----
studentid	ObjectId (ref: "Student")	true	Reference to student
date	String	false	Date of attendance
status	String	false	Status of attendance

Broadcast message Schema Table Design

Field	Type	Required	Description
-----	-----	-----	-----
studentid	ObjectId (ref: "Student")	true	Reference to student
date	String	false	Date of attendance
status	String	false	Status of attendance

Chat Schema Table Design

Field	Type	Description
members	Array	Array of chat members
createdAt	Date	Timestamp of creation
updatedAt	Date	Timestamp of last update

Doctor Schema Table Design

Field	Type	Required	Unique	Description
username	String	true	true	Doctor's username
qualification	String	true	true	Doctor's qualification
status	String	true	true	Doctor's status
email	String	true	true	Doctor's email address
password	String	true	true	Doctor's password
filename	String	true	true	File name
phone	String	true	false	Doctor's phone number

External organisation Schema Table

Field	Type	Required	Description
email	String	true	Email of the external organization
username	String	true	Username of the external organization
organization	String	true	Name of the external organization
password	String	true	Password of the external organization
status	String	true	Status of the external organization
filename	String	true	File name
phone	String	true	Phone number of the external organization

Leave letter Schema Table design

Field	Type	Required	Unique	Description
studentname	String	true	true	Student's name
rollno	Number	true	false	Student's roll number
days	Number	true	false	Number of days for leave
startdate	Date	true	false	Start date of leave
reason	String	true	false	Reason for leave
studentclass	String	true	false	Student's class
parentid document	ObjectId (ref: "parents")	true	false	Reference to parent
grant	Boolean	false	false	Indicates if leave is granted or not

Message Schema Table Design

Field	Type	Description
-----	-----	-----
chatId	String	ID of the chat to which the message belongs
senderId	String	ID of the sender of the message
text	String	Content of the message
createdAt	Date	Timestamp of message creation
updatedAt	Date	Timestamp of last message update

Parent schema Table Design

Field	Type	Required	Unique	Description
-----	-----	-----	-----	-----
studentname	String	false	false	Name of the student
parentname	String	false	false	Name of the parent
rollno	String	true	true	Roll number
email	String	true	false	Email address of the parent
batch	String	false	false	Batch or class of the student
address	String	false	false	Address of the parent
status	String	false	false	Status
parentphone	String	true	false	Phone number of the parent
password	String	true	false	Password
filename	String	true	false	File name
createdAt	Date	auto	-	Timestamp of creation
updatedAt	Date	auto	-	Timestamp of last update

Staff Schema Table Design

Field	Type	Required	Unique	Description
-----	-----	-----	-----	-----
username	String	true	true	Staff username
email	String	true	true	Staff email
password	String	true	-	Staff password
batch	String	true	-	Batch or department
specialization	String	true	-	Specialization or role
status	String	true	-	Status (e.g., active/inactive)
filename	String	true	-	File name
phone	String	true	-	Staff phone number

Marklist Schema Table Design

Field	Type	Required	Description
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studentid	String	true	ID of the student
examname	String	true	Name of the exam
marks	Array	false	Array of subject-wise marks
			(Nested fields)
subject	String	true	Subject name
scoredMark	Number	false	Scored marks for the subject
totalMark	Number	false	Total marks for the subject
createdAt	Date	auto	Timestamp of creation
updatedAt	Date	auto	Timestamp of last update

Health Schema Table Design

Field	Type	Description
studentid	String	ID of the student
studentname	String	Name of the student
age	Number	Age of the student
batch	String	Batch or class of the student
Immunization	String	Immunization status of the student
Vision	String	Vision status of the student
Hearing	String	Hearing status of the student
MentalHealth	String	Mental health status of the student
PhysicalExamination	String	Physical examination status
NutritionStatus	String	Nutrition status of the student
weight	String	Weight of the student
height	String	Height of the student
Finalreport	String	Final health report of the student

Study materials Schema Table Design

Field	Type	Required	Description
-----	-----	-----	-----
userID	String	true	ID of the user
filename	String	true	Filename of the study material
subject	String	true	Subject of the study material
note	String	true	Note or description
link	String	false	Link to the study material
status	String	true	Status of the study material
createdAt	Date	auto	Timestamp of creation
updatedAt	Date	auto	Timestamp of last update

Teacher Registration Schema

Field	Type	Required	Unique	Description
-----	-----	-----	-----	-----
username	String	true	true	Teacher's username
email	String	true	true	Teacher's email
batch	String	true	-	Batch or department
batchnumber	Number	true	-	Batch number
password	String	true	-	Teacher's password
specialization	String	true	-	Specialization or subject
phone	String	true	-	Teacher's phone number
status	String	true	-	Status (e.g., active/inactive)
filename	String	true	-	File name

Time table Schema table Design

Field	Type	Required	Description
classN	String	true	Class name
day	String	true	Day of the week
periods	[String]	false	Array of periods for the day