



Diagram Collections Documents References Project

Filter X

Users

Units

Admins

Agents

Landlord

Cities

Contract

HelpQuestion

Reviews

cars

NAME

Users

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
_id	objectId		Yes	Yes
fullName	string	-	-	Yes
age	int	-	-	Yes
email	string	-	-	Yes
password	string	-	-	Yes
phone	int	-	-	Yes
national_Id	int	-	-	Yes
address	address	-	-	Yes
image	string	-	-	Yes
registrationTimestamp	timestamp	-	-	Yes

REFERENCES

NAME	SOURCE	TARGET
is	Users	Landlord
is	Users	Agents
ask	Users	HelpQuestion

NAME

Units

NAME

Units

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ ownerId	objectId	-	-	-
▪ agentId	objectId		-	-
▪ cities	objectId		-	Yes
▪ estateType	enum	-	-	Yes
▪ address	address	-	-	Yes
▪ dailyPrice	decimal	-	-	Yes
▪ isAvailable	bool	-	-	-
▪ images	string	Yes	-	-
▪ ispetsAllowed	bool	-	-	-
▪ numberOfGuests	int	-	-	Yes
▪ additionTimestamp	timestamp	-	-	Yes
▪ unitInfo	unitInfo	-	-	-

REFERENCES

NAME	SOURCE	TARGET
▪ rent	Agents	Units
▪ has to	Landlord	Units
▪ has to	Units	Reviews
▪ has	Cities	Units
▪ sign	Units	Contract

Admins

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ fullName	string	-	-	Yes
▪ age	int	-	-	-
▪ email	string	-	-	Yes
▪ password	string	-	-	Yes
▪ phone	int	-	-	-
▪ national_Id	int	-	-	Yes
▪ image	string	-	-	Yes

REFERENCES

NAME	SOURCE	TARGET
▪ write	Admins	HelpQuestion

NAME

Agents

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ agentUnits	agentUnits	Yes	-	Yes
▪ favoritePlaces	objectId	Yes	-	-

REFERENCES

NAME	SOURCE	TARGET
▪ rent	Agents	Units
▪ is	Users	Agents
▪ write	Agents	Reviews
▪ Agents_contract	Agents	Contract

NAME

Landlord

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ landLordUnits	objectId	Yes	-	-

REFERENCES

NAME	SOURCE	TARGET
▪ has to	Landlord	Units
▪ is	Users	Landlord
▪ confirm	Landlord	Contract

Cities

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ cityName	string	-	-	Yes
▪ units	objectId	Yes	-	Yes

REFERENCES

NAME	SOURCE	TARGET
▪ has	Cities	Units

NAME

Contract

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ unitId	objectId	-	-	Yes
▪ agentId	objectId	-	-	Yes
▪ landlordId	objectId	-	-	Yes
▪ rentalStart	date	-	-	Yes
▪ rentalEnd	date	-	-	Yes
▪ paymentAmount	decimal	-	-	-
▪ contractType	enum	-	-	-
▪ paymentMethod	string	-	-	Yes
▪ totalAmount	string	-	-	Yes
▪ offerPercentage	decimal	-	-	Yes
▪ confirmTimestamp	string	-	-	Yes

REFERENCES

NAME	SOURCE	TARGET
▪ sign	Units	Contract
▪ Agents_contract	Agents	Contract
▪ confirm	Landlord	Contract

NAME

HelpQuestion

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ userId	objectId	-	-	-
▪ adminId	objectId	-	-	Yes
▪ question	string	-	-	Yes
▪ answer	string	-	-	Yes
▪ additionTimestamp	timestamp	-	-	-
▪ answerTimestamp	timestamp	-	-	-

REFERENCES

NAME	SOURCE	TARGET
▪ write	Admins	HelpQuestion
▪ ask	Users	HelpQuestion

DiagramCollectionsDocumentsReferencesProject

Filter x

askUsersHelpQuestion

UsersUnitsAdminsAgentsLandlordCitiesContractHelpQuestionReviewscarts

NAMEReviews

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes
▪ agentId	objectId	-	-	Yes
▪ unitId	objectId	-	-	Yes
▪ comment	string	-	-	Yes
▪ additionTimestamp	timestamp	-	-	Yes
▪ rating	int	-	-	Yes

REFERENCES

NAME	SOURCE	TARGET
▪ write	Agents	Reviews
▪ has to	Units	Reviews

NAMEcarts

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ _id	objectId		Yes	Yes

DiagramCollectionsDocumentsReferencesProject

Filter x

addressagentUnitsunitInfo

NAMEaddress

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ streetName	string	-	-	-
▪ buildingNumber	int	-	-	-
▪ city	string	-	-	-

NAMEagentUnits

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ unitsId	objectId	-	-	Yes
▪ numberOfRenting	int	-	-	-

NAMEunitInfo

FIELDS

NAME	DATA TYPE	ARRAY	KEY	REQUIRED
▪ rooms	int	-	-	Yes
▪ bathrooms	int	-	-	Yes
▪ floor	int	-	-	Yes

DiagramCollectionsDocumentsReferencesProject

Filter X

rent
has to
is
is
write
ask
write
has to
has
sign
Agents_contract
confirm

NAME

rent

NAME	SOURCE	TARGET
rent	Agents	Units
CARDINALITY TYPE:	Many to	one
ORDINALITY:	Mandatory	Optional

NAME

has to

NAME	SOURCE	TARGET
has to	Landlord	Units
CARDINALITY TYPE:	One to	many
ORDINALITY:	Mandatory	Mandatory

NAME

is

NAME	SOURCE	TARGET
is	Users	Landlord
CARDINALITY TYPE:	One to	one
ORDINALITY:	Optional	Mandatory

DiagramCollectionsDocumentsReferencesProject

Filter X

rent
has to
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write
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Agents_contract
confirm

NAME

is

NAME	SOURCE	TARGET
is	Users	Landlord
CARDINALITY TYPE:	One to	one
ORDINALITY:	Optional	Mandatory

NAME

is

NAME	SOURCE	TARGET
is	Users	Agents
CARDINALITY TYPE:	One to	one
ORDINALITY:	Optional	Mandatory

NAME

write

NAME	SOURCE	TARGET
write	Admins	HelpQuestion
CARDINALITY TYPE:	Many to	one
ORDINALITY:	Optional	Mandatory

NAME

ask

NAME	SOURCE	TARGET
▪ ask	Users	HelpQuestion
CARDINALITY TYPE:	Many to	one
ORDINALITY:	Optional	Mandatory

NAME

write

NAME	SOURCE	TARGET
▪ write	Agents	Reviews
CARDINALITY TYPE:	One to	one
ORDINALITY:	Optional	Mandatory

NAME

has to

NAME	SOURCE	TARGET
▪ has to	Units	Reviews
CARDINALITY TYPE:	One to	many
ORDINALITY:	Optional	Mandatory

NAME

has

NAME	SOURCE	TARGET
▪ has	Cities	Units
CARDINALITY TYPE:	One to	many
ORDINALITY:	Mandatory	Mandatory

NAME

sign

NAME	SOURCE	TARGET
▪ sign	Units	Contract
CARDINALITY TYPE:	One to	one
ORDINALITY:	Mandatory	Mandatory

NAME

sign

NAME	SOURCE	TARGET
▪ sign	Units	Contract
CARDINALITY TYPE:	One to	one
ORDINALITY:	Mandatory	Mandatory

NAME

Agents_contract

NAME	SOURCE	TARGET
▪ Agents_contract	Agents	Contract
CARDINALITY TYPE:	One to	one
ORDINALITY:	Mandatory	Mandatory

NAME

confirm

NAME	SOURCE	TARGET
▪ confirm	Landlord	Contract
CARDINALITY TYPE:	One to	many
ORDINALITY:	Mandatory	Mandatory