

Database Schema – LinkVault

Overview

The application uses **MongoDB** as the database and **Mongoose** for schema modeling. There are two main collections:

- User
- Content

User Collection

This collection stores registered users of the platform.

Field Name	Type	Required	Unique	Description
name	String	Yes	No	Name of the user
email	String	Yes	Yes	User email (used for login)
password	String	Yes	No	Hashed password
createdAt	Date	Auto	No	Account creation time
updatedAt	Date	Auto	No	Last update time

Content Collection

This collection stores text snippets and file uploads created by users.

Each document represents one shareable link.

Field Name	Type	Required	Description
user	ObjectId	Yes	Reference to User collection
type	String	Yes	"text" or "file"
text	String	No	Stores text content (if type = text)
filePath	String	No	File storage path (if type = file)
originalFilename	String	No	Original uploaded file name
password	String	No	Hashed password (if protected)
views	Number	No	Number of times viewed
maxViews	Number	No	Maximum allowed views
uniqueId	String	Yes	Public link identifier
expiresAt	Date	Yes	Expiry timestamp
createdAt	Date	Auto	Creation timestamp
updatedAt	Date	Auto	Last update timestamp