2. Notes App

- Users

- Notes (title, content, pinned)

  ✅Practice: Basic data modeling, search filters

Models

1. users

Field Name	Type	Required	Description
_id	ObjectId	Yes	Auto-generated unique identifier
name	String	Yes	Full name of the user
email	String	Yes	Unique email address of the user
password	String	Yes	Hashed password
createdAt	Date	Yes	Timestamp of user creation (auto)
updatedAt	Date	Yes	Timestamp of last update (auto)

✅User API Route List

Method	Endpoint	Auth Required	Description
POST	/api/users/register	❌No	Register a new user
POST	/api/users/login	❌No	Log in a user and return JWT token
DELETE	/api/users/delete	✅Yes	Delete the authenticated user account
GET	/api/users/logout	❌(Client-side)	Logout handled on frontend (clear token)

✅ 2. Profile Model (extended info)

Field	Type	Required	Description
_id	ObjectId	Yes	Profile ID
user	ObjectId	Yes	Ref to User
profilePic	String	No	URL/path to profile picture
bio	String	No	Short biography
dob	Date	No	Date of birth
location	String	No	(optional) Location info
createdAt	Date	Yes	Auto-generated
updatedAt	Date	Yes	Auto-generated

3. Notes

✅ Minimal Note Model – Fields (Tabular Format)

Notes → user (relations)

Field Name	Type	Required	Description
_id	ObjectId	Yes	Auto-generated unique ID for each note
title	String	Yes	Title of the note
content	String	Yes	Main text content of the note
user	ObjectId	Yes	Reference to the User model (owner of the note)
tags	String[]	No	Array of tags/labels for organization
isPinned	Boolean	No	Whether the note is pinned
isArchived	Boolean	No	Whether the note is archived
createdAt	Date	Yes	Auto-generated timestamp on creation
updatedAt	Date	Yes	Auto-updated timestamp on modification