



1. To-Do List API

- Users
- Tasks

✓ Practice: Simple CRUD

Model Required

User Schema Fields Overview

Method	Endpoint	Description
POST	/api/auth/register	Register a new user — Validate name, email, and password. Auto-handle trimming, case formatting, and unique checks.
POST	/api/auth/login	Login user — Check email and password, return JWT token
GET	/api/auth/me	Get current user profile — Protected route, return user info (except password)
PUT	/api/auth/update	Update user info — Allow updating name or email
PUT	/api/auth/change-password	Change password — Requires current password, new password
DELETE	/api/auth/delete	Delete account — Authenticated user deletes their own account

Field	Type	Required	Default	Validation / Options
name	String	✓ Yes	–	- Trimmed- Min length: 2 characters- Error: "Name is required"
email	String	✓ Yes	–	- Unique- Lowercase & Trimmed- Regex validation for format- Error messages
password	String	✓ Yes	–	- Min length: 6 characters- Error: "Password is required"
createdAt	Date	✓ Yes	Auto	Added by timestamps: true

updatedAt	Date	✓ Yes	Auto	Added by timestamps: true
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Task schema fields in a clear tabular format:

Method	Endpoint	Description
POST	/api/tasks	Create a task — Validate title (min 4 chars), description, dueDate; auto-set <code>completed</code> to false
GET	/api/tasks	Get all tasks for the logged-in user (filter by <code>user</code>)
GET	/api/tasks/:id	Get a single task by its ID
PUT	/api/tasks/:id	Update a task — Allow updating title, description, completed, dueDate
DELETE	/api/tasks/:id	Delete a task by ID

Field	Type	Required	Default	Validation / Notes
title	String	✓ Yes	–	Minimum length: 4 characters Errors: <code>"title is required"</code> , <code>"minimum 4 character"</code>
description	String	✓ Yes	–	⚠ You missed <code>type: String</code> in your code (needs correction)
completed	Boolean	✗ No	false	Default value is false
dueDate	Date	✓ Yes	–	Inconsistency: Marked optional in TS interface (?) but required in schema
user	mongoose.Schema.Types.ObjectId	✓ Yes	–	References the <code>"User"</code> model (foreign key relationship)