



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

Task

Method	Endpoint	Description
Method	Endpoint	Description
POST	/api/tasks	Create a new task
GET	/api/tasks	Get all tasks for the logged-in user
GET	/api/tasks/:id	Get a single task by its ID
PUT	/api/tasks/:id	Update a task
DELETE	/api/tasks/:id	Delete a task by ID
GET	/api/tasks/dashboardStats	Get overall task statistics for dashboard
GET	/api/tasks/completedTasks	Get list of completed tasks for the logged-in user

Field	Type	Required	Default	Validation / Notes
title	String	✓ Yes	–	Minimum length: 4 characters Errors: "title is required", "minimum 4 character"
description	String	✓ Yes	–	⚠ You missed type: String 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

<code>user</code>	<code>mongoose.Schema.Types.ObjectId</code>	 Yes	–	References the <code>"User"</code> model (foreign key relationship)
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