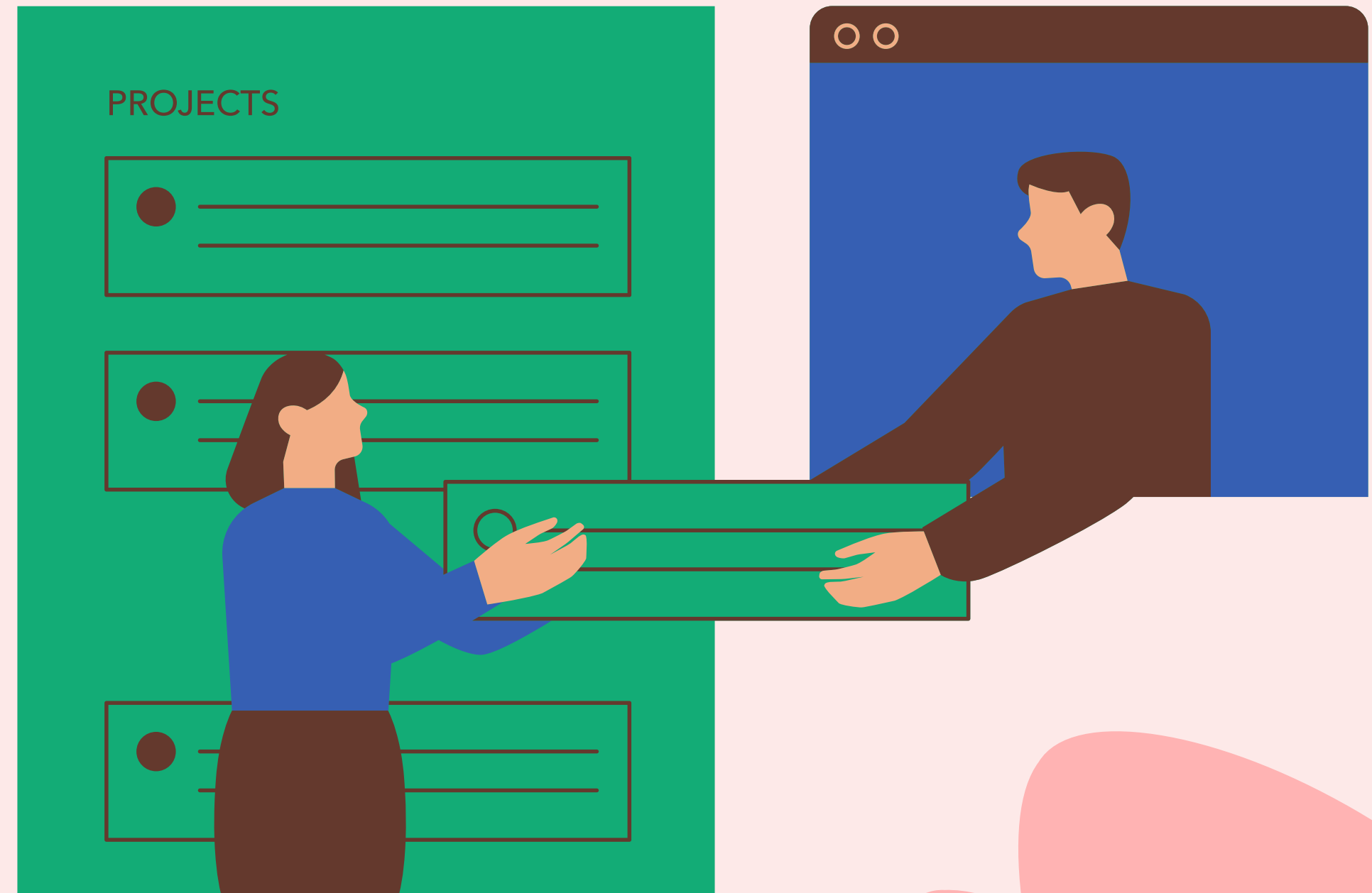# TASK MANAGEMENT

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Project Introduction

A complete full-stack task management application with user authentication, filtering, and calendar visualization to streamline daily productivity.

Core Features

User Authentication

Sign up and log in with secure user accounts

Persistent Tasks

Tasks are stored per user in MongoDB

Task Controls

- Create, Edit, Delete tasks
- Undo tasks
- Delete all tasks

Filtering

- By Status (Pending, In Progress, Completed)
- By Priority (High, Medium, Low)
- Favourites only

Additional Tools

- Dark/Light mode toggle
- Search bar
- Calendar view for due dates

Authentication System

Secure & Personalized Access

- Sign Up: New users can register
- Log In: Tasks are user-specific
- Backend validates and stores credentials securely
- Enables task data isolation by account

Task Management Interface

Task Card Features

- Edit, Delete buttons

- Priority and Status selection

- Favourite toggle

- Real-time updates via Redux

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PROJECT NO. 1

Filtering and Search

By Status	By Priority	Extra
• Pending • In Progress • Completed	• High • Medium • Low	• Favourites filter • Live Search: Filter tasks by title or keyword

Sidebar/Header Actions

Fast Controls to Manage Tasks

- Add Task

- Undo Deleted Tasks

- Delete All Tasks

- Toggle Dark/Light Mode

- Search Tasks

Calendar Integration

Visualize Task Deadlines

- Each task with a due date appears on the calendar

- Helps users plan and track deliverables visually

Tech Stack

Frontend

React, Bootstrap

Backend

Node.js, Express.js

State Management

Redux

Database

MongoDB (tasks stored per user)

Authentication

JSON Web Token.

Thank You