Task Management System

This project delivers a robust task management system.

It features real-time updates and secure authentication.

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Introduction

1 **Overview**

This project simplifies task organization.

2 **Real-time Collaboration**

Stay updated with instant changes.

3 **Secure Access**

Authentication ensures data privacy.

Task Management

Project Overview

Introduction

This system streamlines task management for improved productivity.

Key Features

Real-time updates and secure authentication are core components.

Project Objective

Real-time Updates

Instant synchronization across all devices.

Authentication

Secure user accounts and data protection.

Task Management

Create, assign, and track tasks effectively.

Technologies Used

Database

MongoDB for flexible data storage.

Backend

Node.js and Express.js power the server.

Real-time

Socket.io enables instant updates.

Backend Technologies

1 **Node.js**

Provides the runtime environment.

2 **Express.js**

Simplifies API development.

Database Technology

MongoDB

A NoSQL document database.

Flexibility
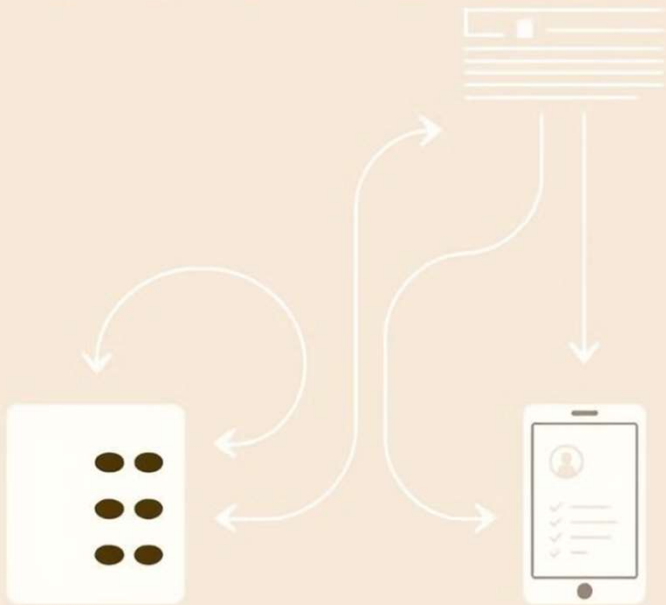
Handles diverse data structures.

Scalability

Adapts to growing data needs.

Real-time Updates

Client Request

1   User interacts with the application.

Server Update

2   Changes are processed on the server.

Broadcast

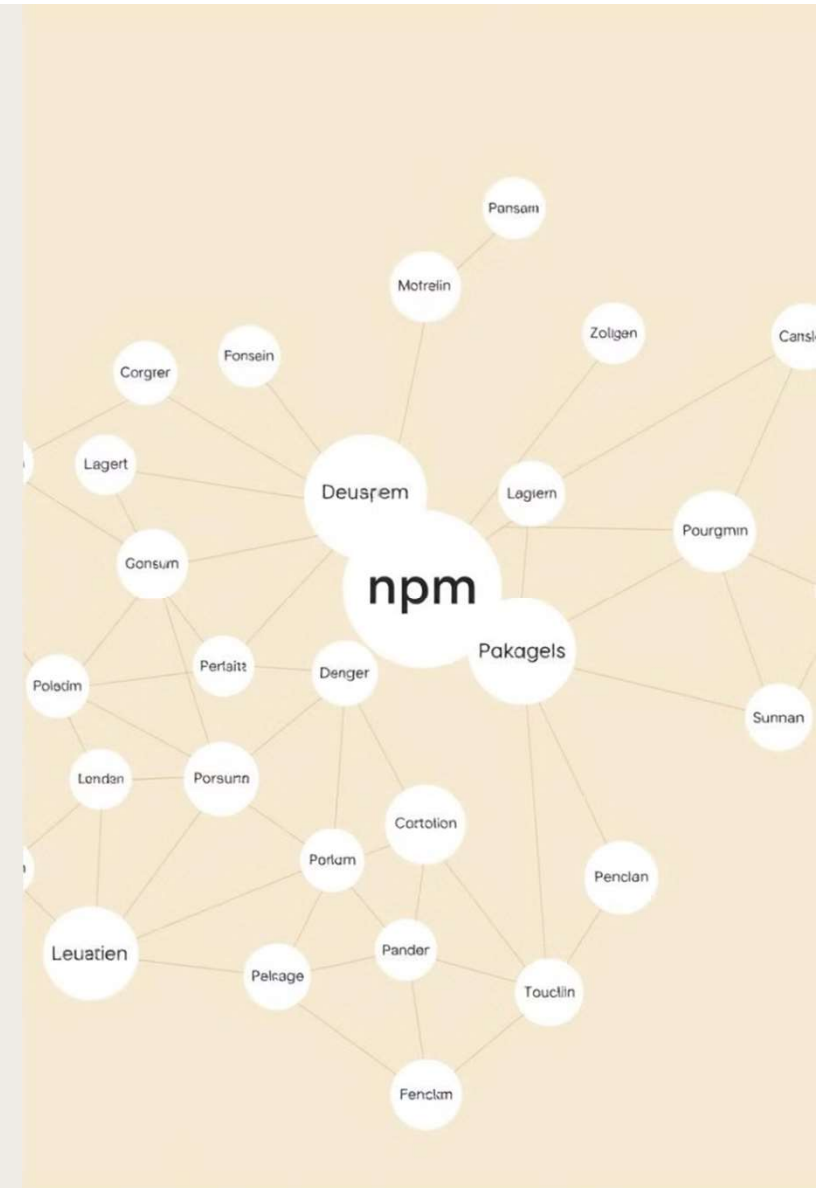3   Updates are pushed to all clients.

Authentication

JWT

JSON Web Tokens for secure sessions.

Bcrypt.js

Password hashing for enhanced security.

Dependency Management

Package	Purpose
mongoose	MongoDB interaction
jsonwebtoken	JWT management
Bcrypt.js	Password hashing

Thankyou !