

Entity Definition Document (EDD)

User

_id (ObjectId): Unique identifier for the user (auto-gen)
username (String): Unique username chosen by the user
email (String): User's email address
password (String): Hashed password for authentication

Task

_id (ObjectId): Unique identifier for the task
userId (ObjectId): References the user who created the task
title (String): Title of the task
description (String): Description/details of the task
dueDate (Date): Deadline for the task
isCompleted (Boolean): Whether the task has been completed
createdAt (Date): Timestamp of task creation

Habit

_id (ObjectId): Unique identifier for the habit
userId (ObjectId): References the user who created the habit
name (String): Name or label for the habit
frequency (String): Frequency (e.g., 'daily', 'weekly')
progress ([Date]): Array of dates when the habit was completed

Reminder

_id (ObjectId): Unique identifier for the reminder
userId (ObjectId): References the user
type (String): Indicates if it's for a task or habit
referenceId (ObjectId): References the associated task or habit
message (String): Reminder message text
remindAt (Date): When the reminder should trigger

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Streak

_id (ObjectId): Unique identifier for the streak record

userId (ObjectId): References the user

type (String): Indicates if it's for a task or habit

referenceId (ObjectId): References the task or habit

currentStreak (Number): Number of consecutive completions

lastCompletedAt (Date): Last date the task or habit was completed

ProgressLog

_id (ObjectId): Unique identifier for the log entry

userId (ObjectId): References the user

type (String): Indicates if it's for a task or habit

referenceId (ObjectId): References the task or habit

date (Date): Date of this log entry

status (String): Status of the entry (e.g., 'completed', 'missed')