

# User 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  
user (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  
user (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  
user (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

## **Streak**

\_id (ObjectId): Unique identifier for the streak record

user (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

user (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')