



## UserCSVHandler

- + void WritetoCSV (HashMap<String,User> users
- + Map<String,User> CSVToHashMap()
- + void generateCSV (User user)
- + void CreateUserCSV()

## **Achievement**

String title

String description

boolean isUnlocked

boolean achievementFlashed

- + HashMap<String, Achievement> generateAchievements()
- +void validateAchievements(User user)



## User

- String username
- String password
- -String email
- -String firstName
- -String lastName
- ArrayList<Goal> goals;
- ArrayList<goal> Completed goals
- + HashMap<String, Achievement> achievements

CSV Types

### FinancialGoalsCSVHandler

- + void performWrite(Goal, goal, User user)
- + void performDelete (Goal goal, User user)
- + void performRead (User user)

## PhysicalGoalsCSVHandler

- + void performWrite(Goal, goal, User user)
- + void performDelete (Goal goal, User user)
- + void performRead (User user)

## RelationshiplGoalsCSVHandler

- + void performWrite(Goal, goal, User user)
- + void performDelete (Goal goal, User user)
- + void performRead (User user)

### PersonalGoalsCSVHandler

- + void performWrite(Goal, goal, User user)
- + void performDelete (Goal goal, User user)
- + void performRead (User user)

### EducationalGoalsCSVHandler

- + void performWrite(Goal, goal, User user)
- + void performDelete (Goal goal, User user)
- + void performRead (User user)

#### Financial Goal

- String category
- String activity
- boolean isComplete
- -boolean trackingDone
- int amount
- -int initalAmount

## **Physical Goal**

- String category
- String activity
- boolean isComplete
- -boolean trackingDone

- String

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- String
- boolea
- -boolear

Goal Types

Goal Categories

## **General Goal**

- String category
- String activity
- boolean isComplete
- -boolean trackingDone

## **Educational Goal**

- String category
- String activity
- boolean isComplete
- -boolean trackingDone

# Relationship Goal

category

activity

n isComplete

n trackingDone

Goal Time Types

## IndefiniteGoal

- String category
- String activity
- boolean isComplete
- -boolean trackingDone
- -int frequency
- -String recurrence

## **Definite Goal**

- String category
- String activity
- boolean isComplete
- -boolean trackingDone
- -LocalDate dueDate
- LocalDate completeDate
- + void sendNotifcation(String message)
- +void timeToComplete()