**Accountability App**

**Overview:** This is an app that promotes goal setting and accountability using both an investment-reward system and an accountability buddy/partner. The idea is that a person who struggles either with goal setting or follow through can set a goal on this app and attach to it a cash investment as well as a deadline. The goal setter will then appoint someone to be their accountability partner to keep track of their goal completion. The goal setter can only access their goal associated cash investment upon goal completion with the added access authorization of their accountability partner. Form here on out there were three different outcomes to the goal:

Outcome 1: The goal setter will complete their goal on time and have their accountability partner access the performance to be satisfactory or great.

Outcome 2: The goal setter will complete their goal on time but have their accountability partner access the performance to be unsatisfactory.

Outcome 3: The goal setter will not complete their goal on time.

**Outcomes**

Outcome 1:

In this scenario, the goal setter will be able to access or have returned to them the entirety of the cash investment associated with the goal.

Outcome 2:

In this scenario, the goal setter will have to go back and complete their goal up to the agreed upon standard and have it re-accessed by their accountability partner.

Outcome 3:

In this scenario, depending on the setting provided by the goal setter, goal associated cash investment can either be sent to or paid out to an account of the goal setter’s choice or the goal setter can win back portions of their cash investment by setting and completing subsequent goals.

Key Points:

1. Accountability Partner can only grant access to the cash investment to the goal setter – they will not be allowed to access the cash investment themselves. Or move the cash.
2. All definitions of goals, and goal setting parameters will be set by the goal setter and accountability partner in tandem.

Software Elements

1. Goal Setter:

* Name
* Surname
* Password
* DOB
* List of Goals

1. Goal

* Goal
* Cash Investment
* Performance Expectations
* Accountability Officer

1. Accountability Partner

System Design no. 1: Most basic (No authentication & Authorization)

Class User(

* ID
* FirstName
* LastName
* Email
* List<Goals>
* Setters and Getters

)

Class GoalSetter extends User(

* Wallet (stands for bank account)
* All associated GoalSetter specific methods implemented in GoalSetterService interface and implementation

)

Class AccountabilityPartner extends User(

* All associated AccountabilityPartner specific methods implemented in AccountabilityPartnerService interface and implementation

)

Class Goal(

* ID
* Title
* Description
* Reward
* GoalComplete(Bool)
* GoalSetter
* AccountabilityPartner
* All getters and setter

)

GoalRepository(

* findByGoalSetter()
* findByAccountabilityPartner()
* findByGoalSetterAndAccountabilityPartner()
* deleteByGoalSetter()

)

Goal Setters

{

    "firstname": "Jose",

    "lastname": "Maestri",

    "email": "joma@gmail.com"

}

{

    "firstname": "Daniel",

    "lastname": "Caesar",

    "email": "Caesar@gmail.com"

}

Accountability Partners

{

    "firstname":"Fez",

    "lastname": "Nzama",

    "email": "nzm@gmail.com"

}

{

    "firstname":"Lew",

    "lastname": "Kramig",

    "email": "LK@gmail.com"

}

{

    "firstname":"Fritz",

    "lastname": "Geller",

    "email": "Fritzy@yahoo.com"

}

Goals

{

    "title":"Apply for jobs",

    "description":"Complete 5 everyday this week",

    "reward": 10,

    "completionStatus": **false**

}

{

    "title":"Get fit",

    "description":"Do yoga three times this week",

    "reward": 12,

    "completionStatus": **false**

}

{

    "title":"Read 10 Books",

    "description":"Mix of business and self-improvement",

    "reward": 5,

    "completionStatus": **false**

}

Iteration Feedback

Iteration 1:

* Associated Goal Setter / Accountability Partner methods not working 🡪 need to loop through goals and find associated Goal Setter.
* Otherwise, all get and post works
* Update function on Goal is not working
* Did not try Delete function

Iteration 1.2:

* All Crud Operations now work

System Design 2 Targets:

* Introduce Wallet Concept to Goal and Goal Setter

(Wallet Entity Represent Bank Account/Money Store) (Complete)

* Request Goal Review Functionality (Review variable in Goal true/false)