Object: QuestionList

Responsability:

- Maintain a list of questions that will be randomly presented to users

State:

-questionList

Behavior:

-getRandomQuestion: List(number,value)

-setQuestion(value:string)

-changeQuestion(key:int)

-deleteQuestion(key:int)

Attention: To avoid inconsistencies, the number of each question will be unique and will never be repeated.

Object: Journal

Responsability:

- Keep a record of the user's journal.

State:

-journalRecordList

Behavior:

-getRecordList:string

-getRecord(key:string):string

-setRecord(key:string, value:string)

-deleteRecord(key:string)

Attention: The key will be a combination of the date and question number (date-questionNumber), and by definition, to avoid inconsistencies, the number of each question will be unique and will never be repeated.

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Object: Person

Responsability:

- Maintain user information.

State:

-fullname:string

-email:string

Behavior:

-setFullName(value:string)

-setEmail(value:string)

-getFullName:string

-getEmail:string

Object: FileManage

Responsability:

- Saves and retrieves user journal data

State:

-fileName:string

Behavior:

-saveJournalToFile(Entry: Journal, fileName:string)

-loadFromFile(fileName: String):Journal

-savePersonToFile(fileName:String, userData: Person)

-loadPersonFromFile(fileName:string):Person

Object: UserEntry

Responsability:

- Manage the user input screen, presenting the list of input options and capturing user responses

State:

-options: <string>List

Behavior:

-showOptions()

-getUserOption():int