design

Alex Chen | October 12, 2023

Users

- userName: Str
- passWord: String
- userID: UUID
- userReminderList: List(reminderList)

+ createReminderList(str: typeOfList): reminderList
+getReminderList(): reminderList

+ deleteReminderList(str: typeOfList): void
+renameReminderList(str: typeOfList): void
+ selectReminderList(str: typeOfList): void
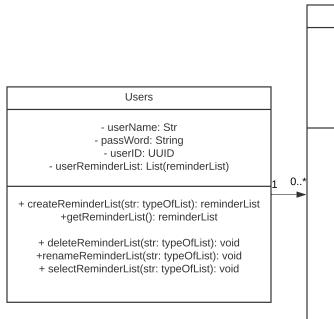
1   0..*

reminderList

- listID: UUID
- userID: UUID (From Users Class)
- ListOfReminders: List(reminder)
- typeOfList: Str

- saveListToDB(): void
+ createReminderList(): reminder

+ addReminderByType(Str reminderType): void
+ addReminderByName(Str reminderName): void
+ searchReminderByName(Str reminderName): void

+editReminder(Str reminder): void
+ deleteReminder(Str reminder): void

+ checkOffReminder(String reminderName): void

+ clearAllCheckOff(): boolean

+getReminderTypeGroup(): Map(reminderType, List(remainder)

0..*   1..*

reminder

- reminderID: UUID
- reminderContent: Str

- checkOff: boolean = false

- dayTimeAlert: boolean = false
- alertForDate: DateTime = null
-alertForTime: DateTime = null

- repeatReminder: boolean = false
- repetitlionAmount: Int

- setLocation: boolean = false
- reminderLocation: Str

+ editContent(Str newContent): Str
+ isChecked(): boolean
+ clearCheckOff(): void

+setDayTimeAlert(boolean): void
+ setAlertDateTime(dateTime: date, dateTime time): void

+ repeatReminder(boolean repeatOrNot): void
+ setRepetitionAmount(boolean: repeatBool, Int repAmount): void
+ getRepAmount(): Int

+ setLocationBool(bool setLocOrNot): void
+ setReminderLocation(Str location): void
+ getReminderLoc(): Str

1

1

reminderType

- reminderTypeList: List(Str)
- specificReminderTypeList: List(Str)

+ getReminderTypeList(): List(Str)
- getSpecificReminderTypeList: List(Str)

+ addNewReminderType(Str newReminder): void
- addNewSpecificReminderType(Str newSpecific): void