Team 3
Paca Angel - Paillacho Carlos - Palacios Daniel - Quiroz Maria

Fundamentals OOP

Patient
- name: string   - age: int   - gender:string   - previousMedicalConditions:string   - currentMedication:string   - vitalSigns:string
+ recordVitalSigns(): boolean   + scheduleMedicalAppoinment(): boolean   + updateMedication(): boolean

Caregiver
- name:string   - id: int   - phone:string   - email:string
+ registerPatient(): boolean   + updatePatientInfo(): boolean   + viewMedicalHistory(): boolean

VitalSign
- temperature: float   - heartRate: int   - bloodPressure: string   - recordDate: date
+ validateValues():boolean

Medication
- name: string   - dose: string   - frequency: string   - nextTimeTake: string
+ timeToTake (): boolean

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MedicalHistory

- illness: string
- allergies: string
- additionalNotes: string

+ addRegister(): boolean

Appointment

- date: date
- time: string
- doctor: string
- location:string

+ confirmAppointment(): boolean

UserAccount

- username:string
- password: string
- role: string

+ login(): boolean
+ logout():boolean

Notification

- message:string
- type: string
- dateTime: datetime

+ sendNotification(): boolean

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EmergencyAlert

- alertType:string
- triggeredBy: string
- timeStamp: datetime

+ sendEmergencyAlert(): boolean

DietPlan

- calories:int
- meals: string
- restrictions: string

+ updateDiet(): boolean

PhysicalActivity

- activityType:string
- duration: int
- intensity:string

+ registerActivity(): boolean

HealthReport

- reportDate:date
- summary: string
- patientID:int

+ generateReport(): boolean