App-user: contains all things that all user types have in common

Patient: subclass of app-user (contains all things app user and aything else specific to the patient)

Emergency contact:

Subclass of app-user: contains all additional functions necessary for the emergency contact

Provider:

Subclass of app-user: contains all additional functions necessary for the doctors office

## App-User

- name : string

phoneNumber : stringuserName : stringpassword : stringuserID : string

+ getName(): string

+ setName(string) : void

+ getPhoneNumber(): string

+ setPhoneNumber(string) : void

+ getUserName(): string

+ setUserNamer(string): void

- getPassword(): string

+ setPassword(string) : void

## Patient

dateOfBirth : string+ alarm : Alarm+ lastLogin : string

+ emergencyContact1 : EmergencyContact + emergencyContact2 : EmergencyContact

+ getDOB(): string

+ setDOB(string) : void + getLastLogin() : string

+ setLastLogin(string) : void

+ markAsTaken(string) : bool+ markAsMissed(string) : bool

+ alertEContact(): bool + alertDoctor(): bool

## EmergencyContact

+ patientLastLogin : string

+ linkedPatient : Patient

+ missedAlarm : bool

+ notificationSettings:Notifications

+ getPatientLastLogin(): string

+ getMissedAlarm(): bool

+ alertEContact(string) : bool

+ updateNotifcations(Notifications): void

## Provider

organization: Stringpatients: Patient

- alarm : Alarm

+ notificationSettings:Notifications

+ getOrganization() : string

+ searchPatients () : void

+ updatePatient(string) : void

+ addAlarm(patient) : void

+ getAlarms(patient) : void

+ updateAlarm (patient) : void

+ getAlarmHistory (patient) : void

+ updateNotifcations(Notifications) : void