**Team: 2 -> 7, 10, 10**

Name: **BugBusters**

Project's name: **MedicByte**

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2. Iza Bryan
3. Jacome Andres
4. Jurado Junior
5. Loachamin Johnny

**Objects:**

1. **User**

Attributes:

-id: int

-name: String

-info: UserInfo

-role: Role

Methods:

sendEmail(subject: String, content: String): void

getRole(): Role

hasRole(role: Role): boolean

getInfo(): UserInfo

1. **UserInfo**

Attributes:

-fullname: String

-surname: String

-age: int

-gender: String

-identificationCard: String

-email: String

-phone: String

-address: Address

1. **Role:**

Attributes:

-name: String

-permissions: Permission[]

-displayName: String

Methods:

-hasPermission(name: String): boolean

1. **Permission:**

Attributes:

-name: String

-value: boolean

1. **Medic**

Attributes:

-id: int

-name: String

-info: UserInfo

-role: Role

Method:

+listPatients(): Patient[],

+listReports(): Report[],

+getPatientInfo(patient: Patient): UserInfo

1. **Patient**

           Attributes:

-id: int

-name: String

-info: UserInfo

-role: Role

            Method:

+listAppointments(): Appointment[]

+getAppointment(id: int): Appointment

1. **Appointment**

* Attributes

-id: int

-patient: Patient

-doctor: Doctor

-date: Date

-medicalUnit: MedicalUnit

-hospital: Hospital

 Methods

+reschedule(): void

+cancel(): void

1. **MedicalUnit (enum class)**

Oncology,

Odontology,

Gynecology,

Traumatology,

Pediatrics

1. **Hospital**

Attributes

-name: String

-address: Address

-capacity: int

1. calendar ------->  X
2. speciality ------>  X
3. nurse ----------->  X (nurse inherit from User ?)
4. medical unit--->  X
5. section---------->  X
6. medical record-> X
7. age----------------> X ( age could be an attribute? User::age )
8. **Address**

Attributes:

-city: String

-description: String

-postalCode: String

1. Menu ---------------->X
2. Report

Attributes:

-content: String

-doctor: Doctor

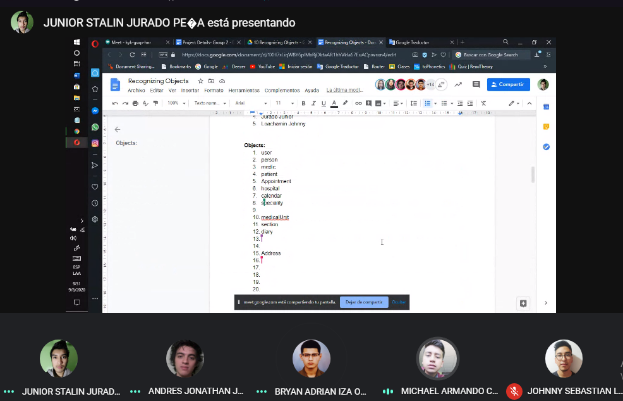
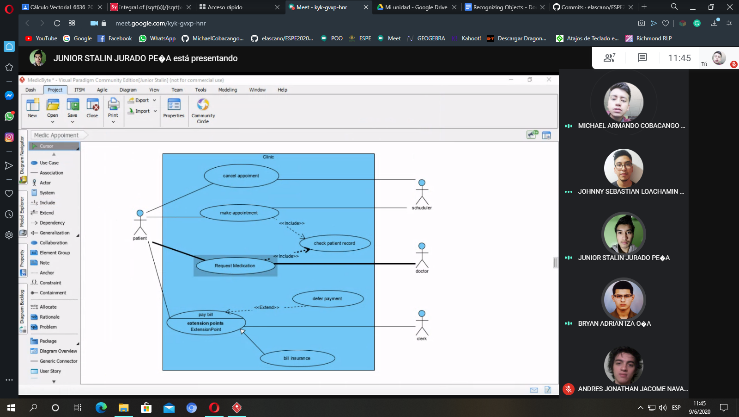
-patient: Patient

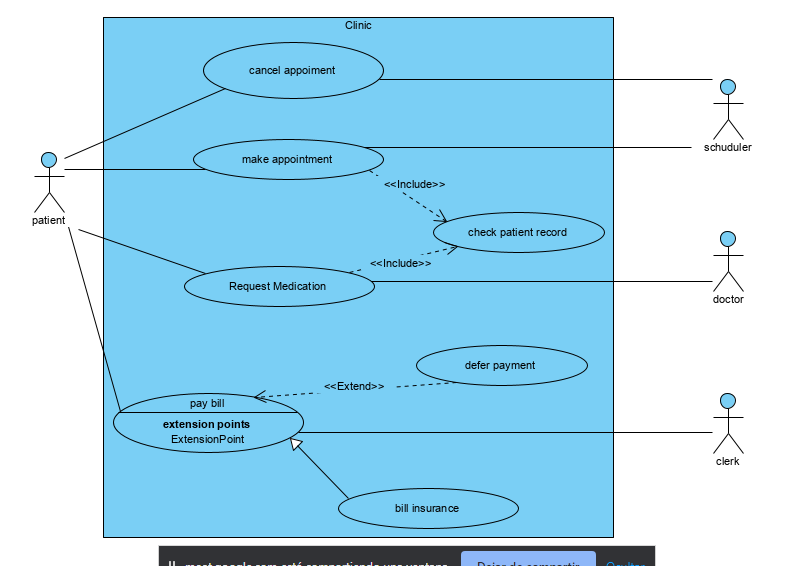
-date: Date

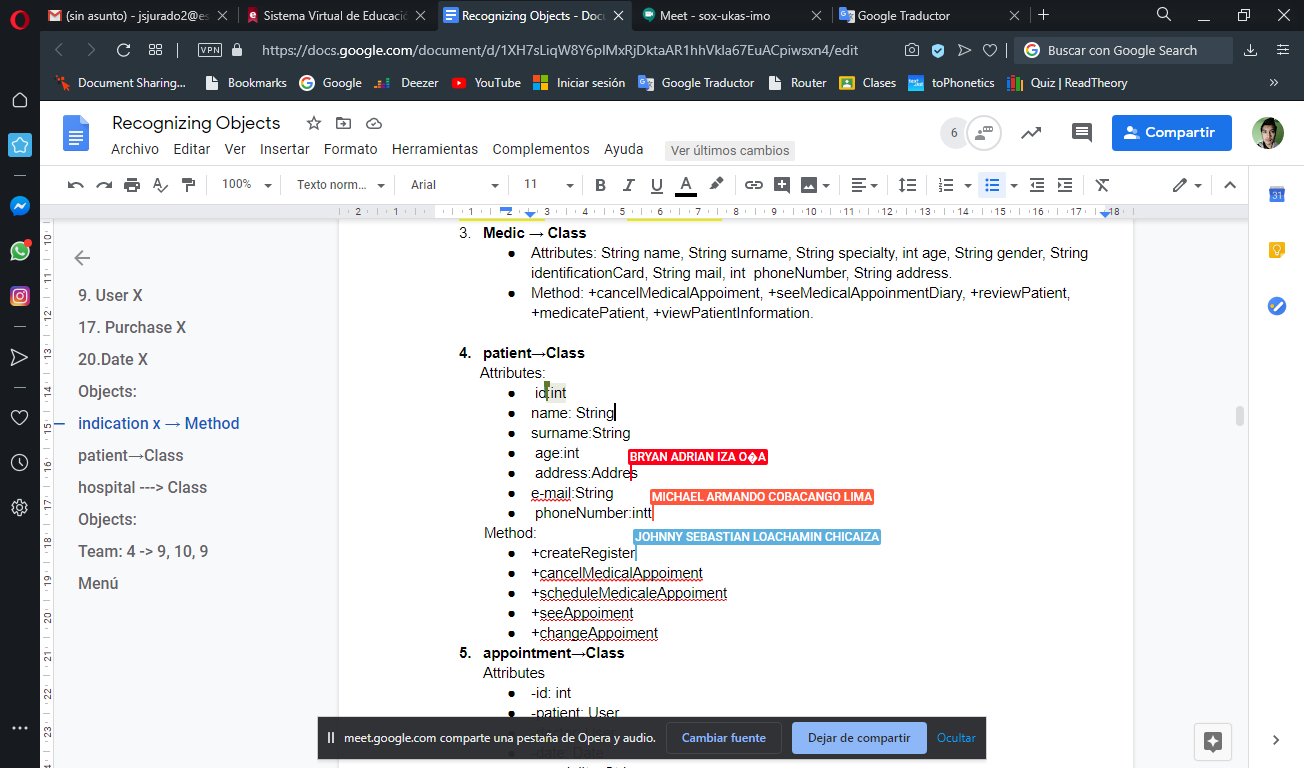
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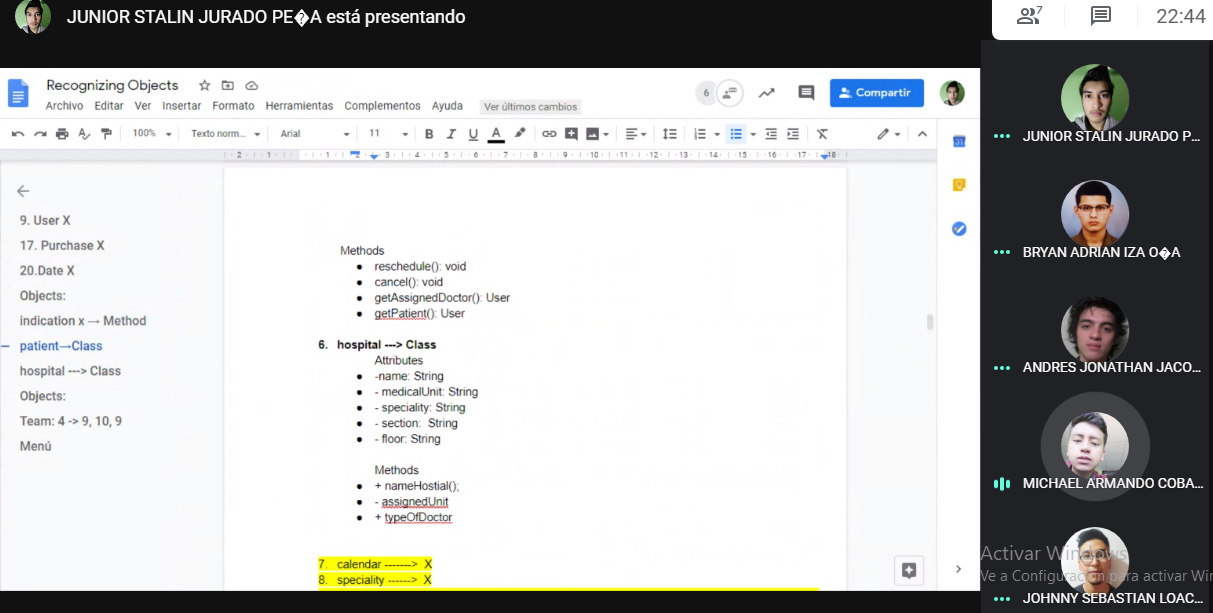
Methods:

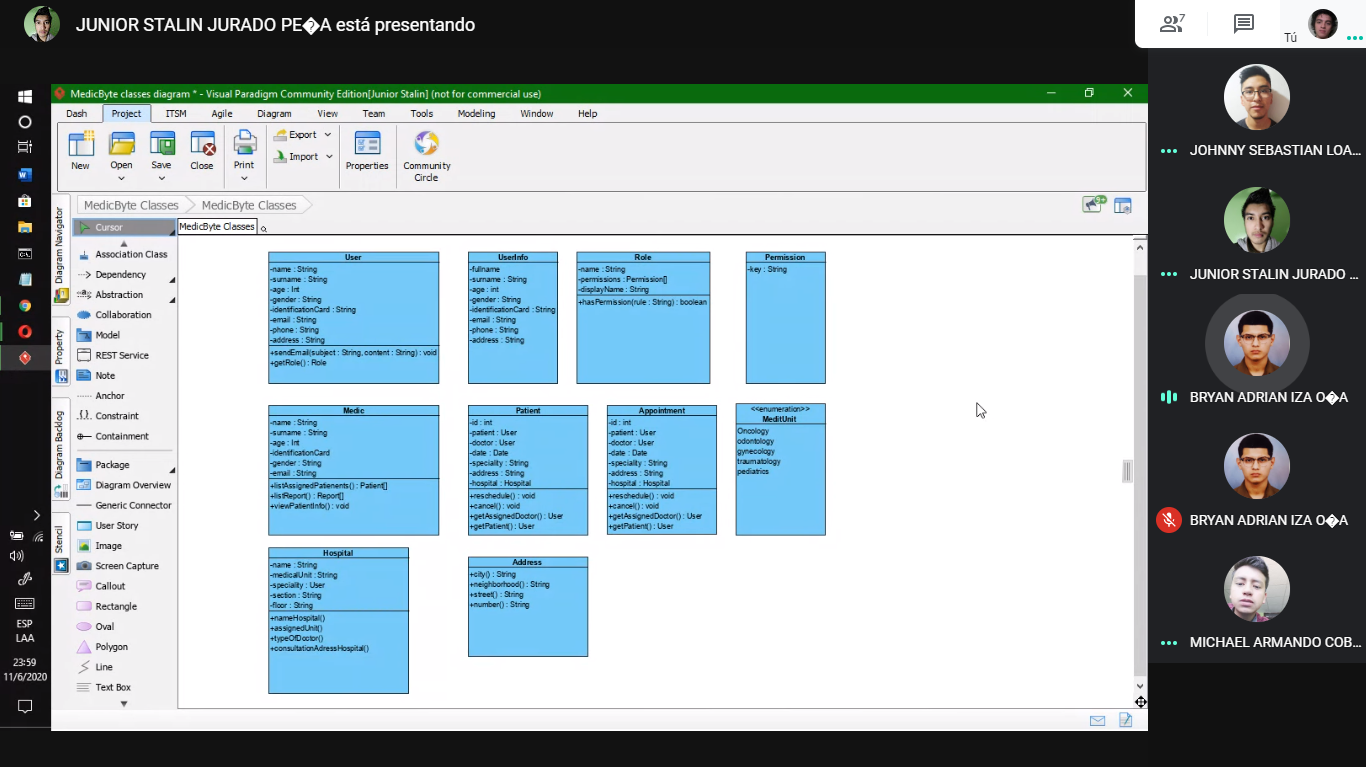
1. laboratory---------> X
2. medical supply---> X
3. treatment ---------> X

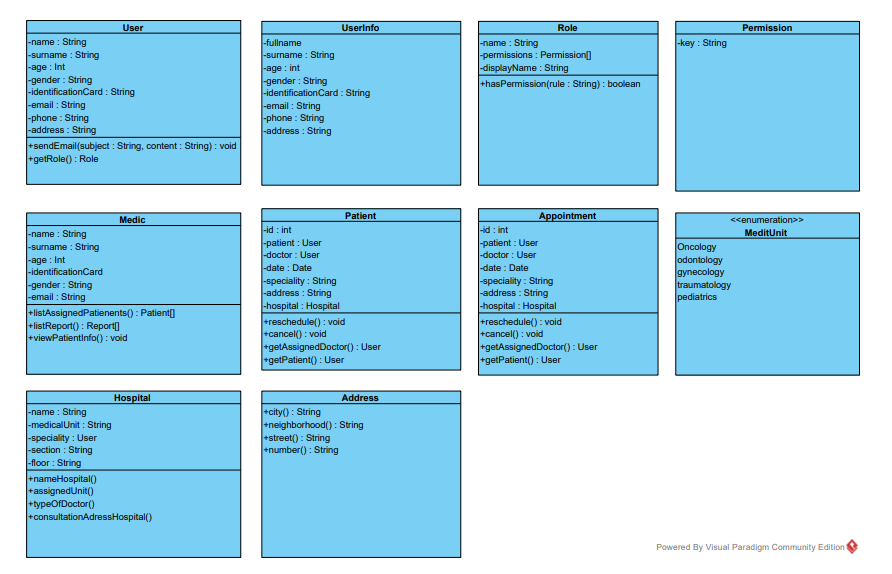
  
  
  
  
  
  
  
  
  
  
  


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