

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

Name: **BugBusters**

Project's name: **MedicByte**

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2. Iza Bryan
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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

**2. UserInfo**

Attributes:

- fullname: String
- surname: String
- age: int
- gender: String
- identificationCard: String
- email: String
- phone: String
- address: Address

**3. Role:**

Attributes:

- name: String
- permissions: Permission[]
- displayName: String

Methods:

- hasPermission(name: String): boolean

**4. Permission:**

Attributes:

- name: String
- value: boolean

**5. Medic**

Attributes:

- id: int
- name: String
- info: UserInfo

-role: Role  
Method:  
+listPatients(): Patient[],  
+listReports(): Report[],  
+getPatientInfo(patient: Patient): UserInfo

**6. Patient**

Attributes:  
-id: int  
-name: String  
-info: UserInfo  
-role: Role  
Method:  
+listAppointments(): Appointment[]  
+getAppointment(id: int): Appointment

**7. Appointment**

- Attributes  
-id: int  
-patient: Patient  
-doctor: Doctor  
-date: Date  
-medicalUnit: MedicalUnit  
-hospital: Hospital

Methods  
+reschedule(): void  
+cancel(): void

**8. MedicalUnit (enum class)**

Oncology,  
Odontology,  
Gynecology,  
Traumatology,  
Pediatrics

**9. Hospital**

Attributes  
-name: String  
-address: Address  
-capacity: int

10. calendar -----> X  
11. speciality -----> X  
12. nurse -----> X (nurse inherit from User ?)  
13. medical unit---> X  
14. section-----> X  
15. medical record-> X  
16. age-----> X ( age could be an attribute? User::age )  
17. **Address**  
Attributes:  
-city: String

-description: String  
-postalCode: String

18. Menu -----> X

19. Report  
Attributes:

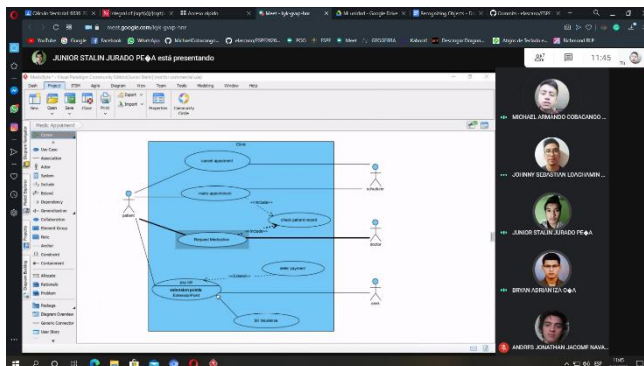
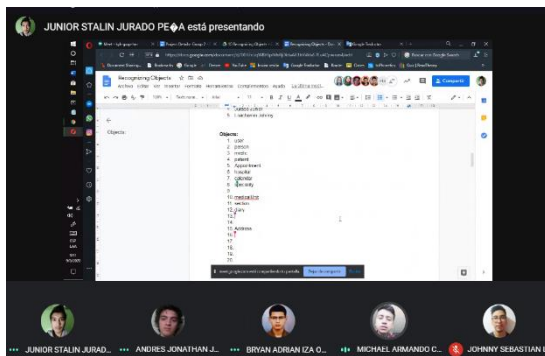
-content: String  
-doctor: Doctor  
-patient: Patient  
-date: Date  
-

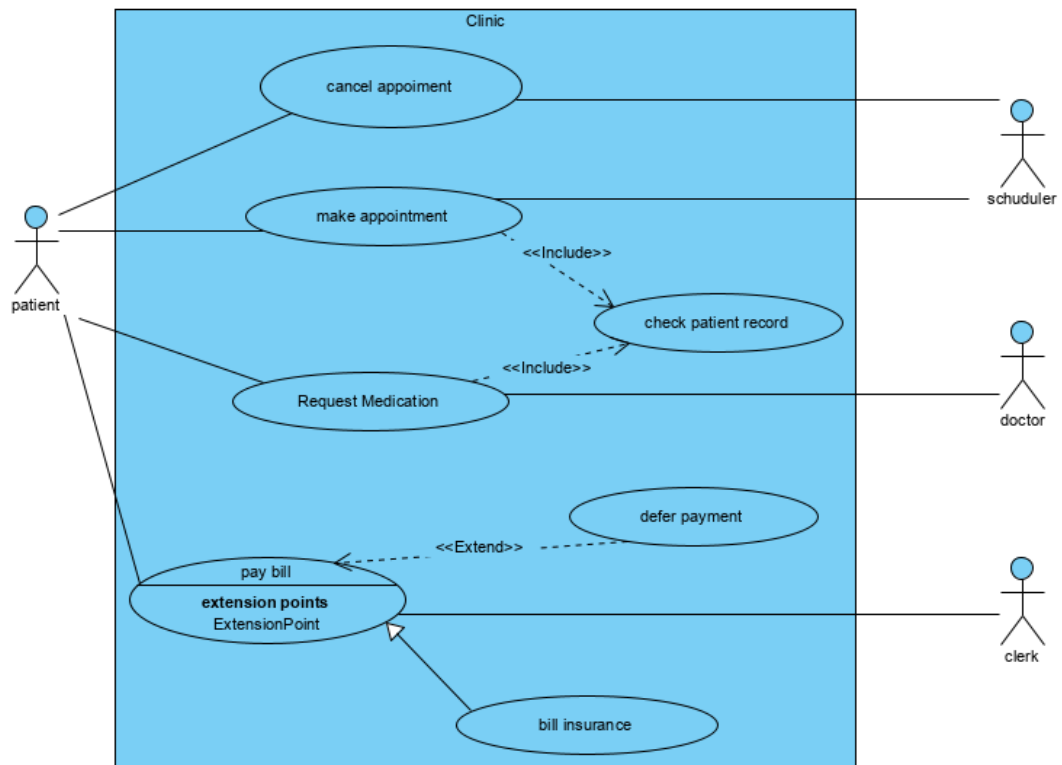
Methods:

20. laboratory-----> X

21. medical supply---> X

22. treatment -----> X





Google Docs interface showing a document titled "Recognizing Objects". The document content includes:

- 3. **Medic --- Class**
  - Attributes: String name, String surname, String specialty, int age, String gender, String identificationCard, String mail, int phoneNumber, String address.
  - Method: +cancelMedicalAppoiment, +seeMedicalAppointmentDiary, +reviewPatient, +medicatePatient, +viewPatientInformation.
- 4. **patient---Class**
  - Attributes:
    - id: int
    - name: String
    - surname: String
    - age: int
    - address: Address
    - e-mail: String
    - phoneNumber: int
  - Method:
    - +createRegister
    - +cancelMedicalAppoiment
    - +scheduleMedicalAppoiment
    - +seeAppoiment
    - +changeAppoiment
- 5. **appointment---Class**
  - Attributes:
    - id: int
    - patient: User

On the right side of the document, there are several red and blue annotations:

- BRYAN ADRIAN IZA O A
- MICHAEL ARMANDO COBACANGO LIMA
- JOHNNY SEBASTIAN LOACHAMIN CHICAIZA

At the bottom of the document, there is a notification bar that says: "meet.google.com comparte una pestaña de Opera y audio. Cambiar fuente Dejar de compartir Ocultar".

Google Meet interface showing a video call in progress. The top bar displays the name "JUNIOR STALIN JURADO PE A" and the time "22:44". The main area shows the Google Docs document from the previous image, with the following content visible:

- 6. **hospital ---> Class**
  - Attributes:
    - name: String
    - medicalUnit: String
    - speciality: String
    - section: String
    - floor: String
  - Methods:
    - +nameHospital()
    - assignedUnit
    - +typeOfDoctor
- 7. calendar ---> X
- 8. speciality ---> X

On the right side of the Meet interface, there is a list of participants:

- JUNIOR STALIN JURADO P...
- BRYAN ADRIAN IZA O A
- ANDRES JONATHAN JACO...
- MICHAEL ARMANDO COBA...
- JOHNNY SEBASTIAN LOAC...

At the bottom of the participant list, there is a button that says "Activar Windows" and a link "Ve a Configuración para activar Win".

