

Project Name: Community Health Check Up and Tele-Medicine Portal

Team Name: Team Alpha

Name: Pranta Kumer Pandit

ID:20234103390

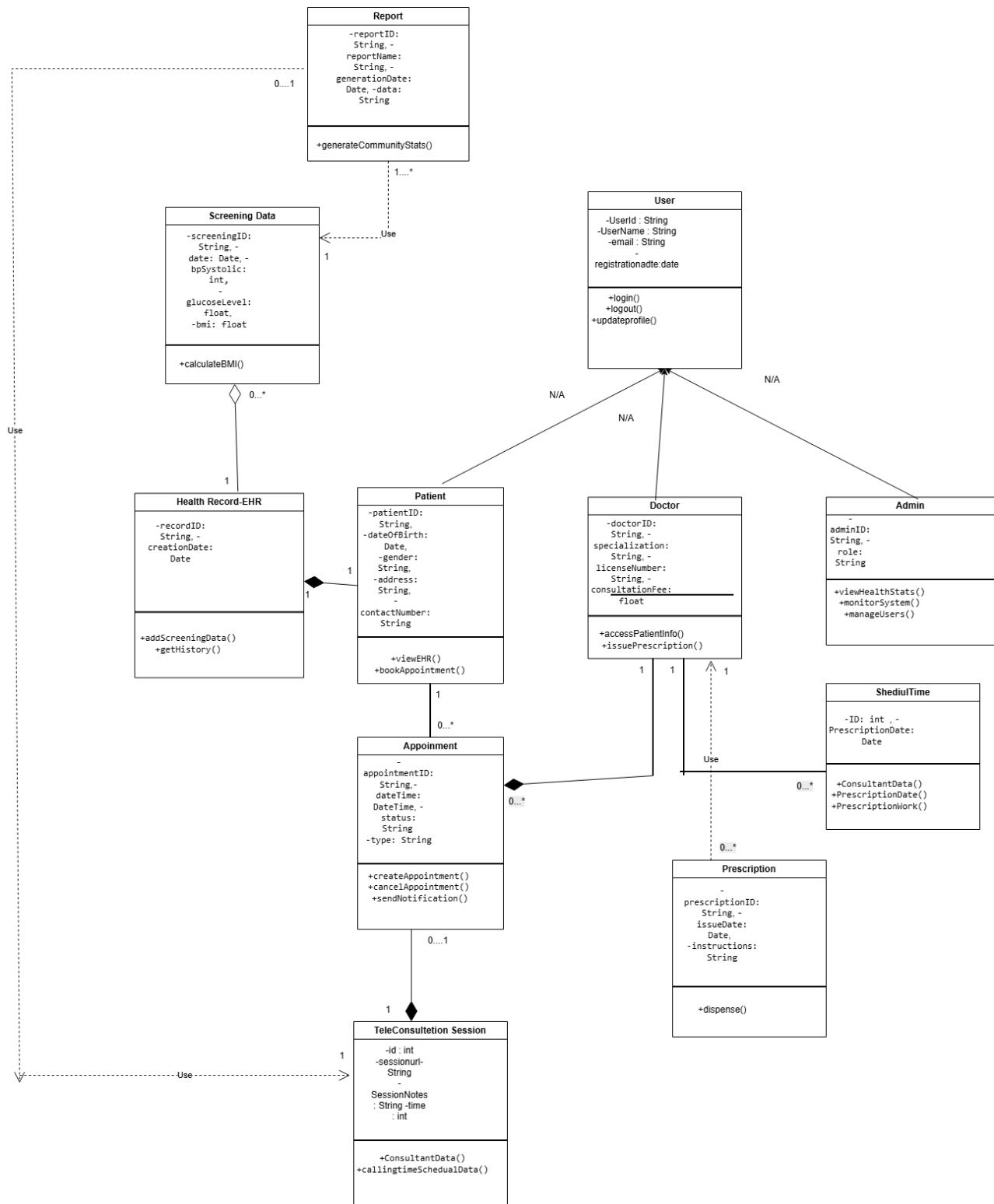
Name: Jewel Rana

ID:20234103364

Name: Alif Hussain

ID: 20234103384

Class Diagram:



Class Responsibilities Table:

Class Name	Responsibility / Description
User	Base class for all system users. Handles registration, login, and profile management.
Patient	Represents community members receiving healthcare. Can view medical history, request appointments, and attend teleconsultations.
Doctor	Manages appointments, conducts teleconsultations, and provides prescriptions. Has access to patient records and health data.
Admin	Oversees system operations, manages users, and generates community health reports.
Appointment	Handles booking details between patients and doctors, including scheduling, rescheduling, and status tracking.
TeleconsultationSession	Manages live or recorded video/audio consultation sessions between patient and doctor. Links to an appointment.
EHR (Electronic Health Record)	Stores and manages patient medical data, including past visits, screenings, and prescriptions.
ScreeningData	Records vital parameters like BP, glucose, and BMI from health checkups. Provides BMI computation logic.
Prescription	Contains doctor's prescribed medications for a patient, linked to a specific appointment or EHR entry.
Notification	Sends reminders and alerts (e.g., appointment confirmation, prescription ready). Dependent on Appointment and User data.
Report	Summarizes community health statistics for admin analysis and decision-making. Can generate/export reports (PDF/CSV).