

User
<ul style="list-style-type: none"> <li>- user_id: String</li> <li>- username: String</li> <li>- password: String</li> <li>- email: String</li> <li>- full_name: String</li> <li>- date_of_birth: Date</li> <li>- gender: String</li> <li>- profile_picture: String</li> <li>- phone_number: String</li> <li>- address: String</li> <li>- user_type: String</li> <li>- created_at: Date</li> <li>- updated_at: Date</li> </ul>
<ul style="list-style-type: none"> <li>+ register(): void</li> <li>+ login(): void</li> <li>+ logout(): void</li> <li>+ update_profile(): void</li> <li>+ delete_account(): void</li> </ul>

Patient
<p>(Inherits attributes from User)</p> <ul style="list-style-type: none"> <li>- medical_history: String</li> <li>- current_medication: List&lt;String&gt;</li> <li>- therapist_id: String</li> <li>- appointments: List&lt;String&gt;</li> <li>- therapy_goals: String</li> </ul>
<ul style="list-style-type: none"> <li>+ book_appointment(): void</li> <li>+ cancel_appointment(): void</li> <li>+ view_appointments(): void</li> <li>+ update_medical_history(): void</li> <li>+ message_therapist(): void</li> </ul>

Therapist
(Inherits attributes from User) - license_number: String - specializations: List<String> - years_of_experience: int - education: String - availability: List<String> - patients: List<String>
+ set_availability(): void + accept_appointment(): void + decline_appointment(): void + view_patients(): void + record_session_notes(): void

Appointment
- appointment_id: String - patient_id: String - therapist_id: String - date: Date - time: Time - status: String - notes: String
+ schedule_appointment(): void + reschedule_appointment(): void + cancel_appointment(): void + complete_appointment(): void

Message
- message_id: String - sender_id: String - receiver_id: String - timestamp: DateTime - content: String - read_status: Boolean
+ send_message(): void + read_message(): void + delete_message(): void

Admin
(Inherits attributes from User) - role: String - permissions: List<String>
+ manage_users(): void + view_reports(): void + generate_reports(): void + manage_content(): void + resolve_disputes(): void

Session
- session_id: String - appointment_id: String - patient_id: String - therapist_id: String - start_time: DateTime - end_time: DateTime - session_notes: String - feedback: String
+ start_session(): void + end_session(): void + record_feedback(): void + view_session_notes(): void

Payment
- payment_id: String - user_id: String - amount: Double - payment_date: Date - payment_method: String - status: String - appointment_id: String
+ process_payment(): void + refund_payment(): void + view_payment_history(): void + update_payment_status(): void

Review
<ul style="list-style-type: none"> <li>- review_id: String</li> <li>- patient_id: String</li> <li>- therapist_id: String</li> <li>- rating: int</li> <li>- comment: String</li> <li>- date: Date</li> </ul>
<ul style="list-style-type: none"> <li>+ add_review(): void</li> <li>+ edit_review(): void</li> <li>+ delete_review(): void</li> <li>+ view_reviews(): void</li> </ul>

Notification
<ul style="list-style-type: none"> <li>- notification_id: String</li> <li>- user_id: String</li> <li>- message: String</li> <li>- type: String</li> <li>- timestamp: DateTime</li> <li>- read_status: Boolean</li> </ul>
<ul style="list-style-type: none"> <li>+ send_notification(): void</li> <li>+ mark_as_read(): void</li> <li>+ delete_notification(): void</li> </ul>