| User |
| --- |
| - user\_id: String  - username: String  - password: String  - email: String  - full\_name: String  - date\_of\_birth: Date  - gender: String  - profile\_picture: String  - phone\_number: String  - address: String  - user\_type: String  - created\_at: Date  - updated\_at: Date |
| + register(): void  + login(): void  + logout(): void  + update\_profile(): void  + delete\_account(): void |

| Patient |
| --- |
| (Inherits attributes from User)  - medical\_history: String  - current\_medication: List<String>  - therapist\_id: String  - appointments: List<String>  - therapy\_goals: String |
| + book\_appointment(): void  + cancel\_appointment(): void  + view\_appointments(): void  + update\_medical\_history(): void  + message\_therapist(): void |

| 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 |
| --- |
| - review\_id: String  - patient\_id: String  - therapist\_id: String  - rating: int  - comment: String  - date: Date |
| + add\_review(): void  + edit\_review(): void  + delete\_review(): void  + view\_reviews(): void |

| Notification |
| --- |
| - notification\_id: String  - user\_id: String  - message: String  - type: String  - timestamp: DateTime  - read\_status: Boolean |
| + send\_notification(): void  + mark\_as\_read(): void  + delete\_notification(): void |