UML Class Diagram

Report (abstract)
- # report_id: int
- + method(type): type

PostReport
- + field: type
- + method(type): type

ProductReport
- + field: type
- + method(type): type

CommentReport
- + field: type
- + method(type): type

ReviewReport
- + field: type
- + method(type): type

AppointmentReport
- + field: type
- + method(type): type

User (abstract)
- # first_name: string
- # last_name: string
- # email: string
- # phone_number: string
- # password: string
- # profile_picture: string
- # address: string

- + login(): bool
- + logout(): bool
- + updateProfile(): bool <>

Client
- +
- + register(): bool

Doctor
- - speciality: string
- - building_front_image: string
- + register(): bool

Pharmacy
- - pharmacy_name: string
- - building_front_image: string
- + register(): bool

Admin
- -
- + activateUser(user_id: int): bool
- + banUser(user_id: int): bool

Review
- - review_id: int
- - rating: int
- - content: string
- + addReview(order_id): bool
- + deleteReview(): bool
- + getPharmacyReviews(): array <<static>>

Prescription
- + prescription_id: int
- + loadPrescription(presc_id): bool
- + getAllPrescription(): bool <<static>>

Appointment
- - app_id: int
- - datetime: string
- - is_online: bool
- + addAppointment(): bool
- + loadAppointment(app_id): bool
- + getAllAppointments() : bool <<static>>

Comment
- - comment_id: int
- - content: string
- -
- + addComment(user_id: int, post_id: int): bool
- + updateComment(): bool
- + deleteComment(): bool
- + getPostComments(post_id: int): array <<static>>

Post
- - post_id: int
- - title: string
- - content: string
- - visibility: bool
- + addPost(): bool
- + updatePost(): bool
- + deletePost(): bool
- + loadPost(post_id): bool
- + getAllPosts(): array <<static>>

Reaction
- + field: type
- + getPostReactions(): bool <<static>>

Order
- - order_id: int
- - quantity: int
- - is_delivery: bool
- + addOrder(): bool
- + loadOrder(order_id): bool
- + getAllOrders(): bool <<static>>

Medicine
- - medicine_id: int
- - name: string
- - price: float
- - description: string
- - image_path: string
- + addMedicine(): bool
- + updateMedicine(): bool
- + deleteMedicine(): bool
- + loadMedicine(medicine_id: int): bool
- + getAllMedicines(): array <<static>>
- + searchMedicine(keyword: string): array <<static>>

Notification
- + field: type
- + method(type): type

Relationship multiplicities: 1..1, 0..*, 0..1, 1..*, 0..1