Presentation Layer **AppointmentView** - scanner: Scanner - appointmentController: AppointmentController patientView: PatientView - dermatologistView: DermatologistView **PatientView** - treatmentView: TreatmentView - timeView: TimeView - invoiceView: InvoiceView + showAppointmentMenu(): void + displayMenu(): void + getPatientDetails(): Patient + getUserChoice(): int + scheduleAppointment(): void + viewAllAppointments(): void + updateAppointment(): void + cancelAppointment(): void + completeAppointment(): void + processInvoicePayment(): void + searchAppointment(): void Service Layer **AppointmentService** Repository Layer **AppointmentRepository**

Domain Layer

Appointment

- appointmentId: int
- patient: Patient
- dermatologist: DermatologistModel
- treatment: Treatment
- time: Time
- invoice: Invoice
- status: AppointmentStatus
- + setStatus(status: AppointmentStatus): void
- + getInvoice(): Invoice
- + getId(): int

Patient