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AppointmentService

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+ GetAll() : Task<IEnumerable<Appointment>>
+ Update(Appointment appointment) : void
+ GetTimeIntervalsForStepByStep(int doctorId, DateTime chosen) : Task<IEnumerable<TimeInterval>>
+ GetTimeIntervalsForRecommendationDatePriority(int doctorId, DateTime chosen) : Task<IEnumerable<TimeIntervalWithDoctorDTO>>
+ CancelAppointment(int appointmentId) : AppointmentCancelledDTO
+ CancelPatientAppointment(int appointmentId) : Appointment
+ GetUpcomingForDoctor(Doctor doctor) : Task<IEnumerable<Appointment>>
+ Schedule(Appointment appointment) : void
+ GetUpcomingAppointmentsForRoom(Room room) : Task<IEnumerable<Appointment>>
+ Create(Appointment appointment) : Task<Appointment>
+ CreateEmpty(Appointment appointment) : Task<Appointment>
+ GetAllPatientsAppointments(int patientId) : Task<IEnumerable<Appointment>>
+ Reschedule(int appointmentId,DateTime start, DateTime end) : Task<AppointmentRescheduledDTO>
+ GetAllForDoctorAndRange(int doctorId, TimeInterval interval) : Task<IEnumerable<Appointment>>
+ FormatAppointmentsForCalendar(IEnumerable<Appointment> appointments, TimeInterval interval) : IEnumerable<CalendarAppointmentsDTO>
+ GetById(int appointmentId) : Task<Appointment>
+ GetAllFinishedPatientAppointments(int patientId) : Task<IEnumerable<Appointment>>
+ GetByExamination(int examinationId) : ExaminationReport
+ GetMonthStatisticsByDoctorId(int doctorId, int month) : Task<IEnumerable<AppointmentStatisticsDTO>>
+ GetYearStatisticsByDoctorId(int doctorId) : Task<IEnumerable<AppointmentStatisticsDTO>>
+ GetTimeRangeStatisticsByDoctorId(int doctorId, TimeInterval timeinterval) : Task<IEnumerable<AppointmentStatisticsDTO>>
+ AddEvent(SchedulingAppointmentDomainEvent schedulingAppointmentDomainEvent) : void

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TimeIntervalValidationService

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+ ValidateAppointment(Appointment appointment) : Task
+ ValidateReallocation(EquipmentReallocation reallocation) : Task
+ ThrowIfEndBeforeStart(DateTime start, DateTime end) : void
+ ValidateRescheduling(Appointment appointment, DateTime start, DateTime end) : Task
+ IsIntervalOverlappingWithDoctorAppointments(int doctorId, Timeinterval possibleTimeInterval) : Task<bool>
+ IsIntervalOverlappingWithRoomsAppointments(int roomId, Timeinterval possibleTimeInterval) : Task<bool>
+ ValidateRenovation(Renovation renovation) : Task
- ThrowIfRenovationsAreOverlapping(TimeInterval timeInterval) : void
- ThrowIfNotInWorkingHours(DateTime appointmentStartAt, DateTime appointmentEndAt, int doctorId) : void
- ThrowIfNotInWorkingHours(Appointment appointment) : void
- ThrowIfInPast(DateTime start) : void
- ThrowIfIntervalsAreOverlapping(List<TimeInterval> intervals, TimeInterval ti) : void
- CompactIntervals(List<TimeInterval> intervals) : List<TimeInterval>
- JoinIntervalsIfTouching(TimeInterval interval, TimeInterval dateInterval) : void
- AddFirstIfIntervalEmpty(List<TimeInterval> dateIntervals, TimeInterval Interval) : void
- AddIfGapBetweenIntervals(List<TimeInterval> Intervals, TimeInterval nterval,TimeInterval dateInterval) : void
- ThrowIfInAnnualLeavePeriod(int doctorId, timeInterval) : void

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- ThrowIfInTeamBuildingPeriod(int doctorId, TimeInterval) : void

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AppointmentRepository

- + GetAllForRoom(int roomId) : Task<List<Appointment>>
- + GetAllPendingForRange(TimeInterval interval, int roomId) : Task<List<TimeInterval>>
- + GetAllRoomTakenIntervalsForDate(int roomId, DateTime date) : Task<List<TimeInterval>>
- + GetAllDoctorTakenIntervalsForDate(int doctorId, DateTime date) : Task<IEnumerable<TimeInterval>>
- + GetAllDoctorTakenIntervalsForTimeInterval(int doctorId, TimeInterval timeInterval) : Task<IEnumerable<TimeInterval>>
- + GetAllDoctorUpcomingAppointments(int doctorId) : Task<IEnumerable<Appointment>>
- + GetAllRoomUpcomingAppointments(int roomId) : Task<IEnumerable<Appointment>>
- + GetAllDoctorAppointmentsForRange(int doctorId, TimeInterval interval) : Task<IEnumerable<Appointment>>
- + GetNumberOfDoctorsAppointmentsForRange(int doctorId, TimeInterval interval) : int
- + GetById(int appointmentId) : Task<Appointment>
- + GetAllPatientAppointments(int patientId, TimeInterval interval) : Task<IEnumerable<Appointment>>
- + GetAllDoctorTakenIntervalsForDateExcept(int doctorId, DateTime date, int ignore) : Task<List<TimeInterval>>
- + GetAllRoomTakenIntervalsForDateExcept(int roomId, DateTime date, int ignore) : Task<List<TimeInterval>>







