

Authentication (/auth)

POST /auth/register

Request Body: UserDto

```
{
  "id": "Long",
  "username": "String",
  "password": "String",
  "firstName": "String",
  "lastName": "String",
  "email": "String",
  "phoneNumber": "String",
  "DOB": "LocalDate",
  "ImageUrl": "String",
  "role": "Roles",
  "gender": "Gender",
  "createdAt": "LocalDate",
  "patient": "PatientDto",
  "doctor": "DoctorDto"
}
```

Response: Created UserDto

```
{
  "id": "Long",
  "username": "String",
  "password": "String",
  "firstName": "String",
  "lastName": "String",
  "email": "String",
  "phoneNumber": "String",
  "DOB": "LocalDate",
  "ImageUrl": "String",
  "role": "Roles",
  "gender": "Gender",
  "createdAt": "LocalDate",
  "patient": "PatientDto",
  "doctor": "DoctorDto"
}
```

POST /auth/login

Request Body: LoginRequest

Response: TokenResponse

POST /auth/refresh

Request Body: RefreshTokenRequest

Response: TokenResponse

Doctors (/doctors)

GET /doctors/{id}

Request Body: -

Response: DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

GET /doctors

Request Body: -

Response: List<DoctorDto>

PUT /doctors/{id}/address

Request Body: AddressDto

```
{
  "address": "String"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
}
```

Clinic Management API Documentation

```
"holidaySchedules": "List<DoctorHolidayScheduleDto>",  
"insuranceCompanies": "List<InsuranceCompanyDto>"  
}
```

POST /doctors/{id}/specializations

Request Body: SpecializationsDto

```
{  
  "id": "Long",  
  "doctorId": "Long",  
  "specialization": "String"  
}
```

Response: Updated DoctorDto

```
{  
  "id": "Long",  
  "address": "String",  
  "checkupDurationInMinutes": "int",  
  "checkupPrice": "double",  
  "specialization": "List<SpecializationsDto>",  
  "yearsOfExperience": "int",  
  "unionMembershipNumber": "String",  
  "appointments": "List<AppointmentDto>",  
  "experiences": "List<ExperienceDto>",  
  "scientificBackgrounds": "List<ScientificBackgroundDto>",  
  "services": "List<DoctorServiceDto>",  
  "doctorSchedules": "List<DoctorScheduleDto>",  
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",  
  "insuranceCompanies": "List<InsuranceCompanyDto>"  
}
```

PUT /doctors/{id}/years-of-experience

Request Body: IntegerDto

Response: Updated DoctorDto

```
{  
  "id": "Long",  
  "address": "String",  
  "checkupDurationInMinutes": "int",  
  "checkupPrice": "double",  
  "specialization": "List<SpecializationsDto>",  
  "yearsOfExperience": "int",  
  "unionMembershipNumber": "String",  
  "appointments": "List<AppointmentDto>",  
  "experiences": "List<ExperienceDto>",  
  "scientificBackgrounds": "List<ScientificBackgroundDto>",  
  "services": "List<DoctorServiceDto>",  
  "doctorSchedules": "List<DoctorScheduleDto>",  
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",  
  "insuranceCompanies": "List<InsuranceCompanyDto>"  
}
```

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PUT /doctors/{id}/union-membership-number

Request Body: Raw string

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

GET /doctors/{doctorId}/experiences

Request Body: -

Response: List<ExperienceDto>

POST /doctors/{doctorId}/experiences

Request Body: ExperienceDto

```
{
  "Id": "Long",
  "doctorId": "Long",
  "experienceDescription": "String",
  "position": "String",
  "startDate": "LocalDate",
  "endDate": "LocalDate"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
}
```

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```
"services": "List<DoctorServiceDto>",
"doctorSchedules": "List<DoctorScheduleDto>",
"holidaySchedules": "List<DoctorHolidayScheduleDto>",
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

DELETE /doctors/{doctorId}/experiences/{experienceId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/experiences/{experienceId}

Request Body: ExperienceDto

```
{
  "Id": "Long",
  "doctorId": "Long",
  "experienceDescription": "String",
  "position": "String",
  "startDate": "LocalDate",
  "endDate": "LocalDate"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
}
```

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```
"services": "List<DoctorServiceDto>",
"doctorSchedules": "List<DoctorScheduleDto>",
"holidaySchedules": "List<DoctorHolidayScheduleDto>",
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

GET /doctors/{doctorId}/scientific-backgrounds

Request Body: -

Response: List<ScientificBackgroundDto>

POST /doctors/{doctorId}/scientific-backgrounds

Request Body: ScientificBackgroundDto

```
{
  "doctorId": "Long",
  "id": "Long",
  "doctor": "Doctor",
  "fieldOfStudy": "String",
  "university": "String",
  "degree": "String"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

DELETE /doctors/{doctorId}/scientific-backgrounds/{scientificBackgroundId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
```

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```
"specialization": "List<SpecializationsDto>",
"yearsOfExperience": "int",
"unionMembershipNumber": "String",
"appointments": "List<AppointmentDto>",
"experiences": "List<ExperienceDto>",
"scientificBackgrounds": "List<ScientificBackgroundDto>",
"services": "List<DoctorServiceDto>",
"doctorSchedules": "List<DoctorScheduleDto>",
"holidaySchedules": "List<DoctorHolidayScheduleDto>",
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

GET /doctors/{doctorId}/services

Request Body: -

Response: List<DoctorServiceDto>

POST /doctors/{doctorId}/services

Request Body: DoctorServiceDto

```
{
  "doctorId": "Long",
  "id": "Long",
  "services": "Services"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

DELETE /doctors/{doctorId}/services/{serviceId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
```

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```
"address": "String",
"checkupDurationInMinutes": "int",
"checkupPrice": "double",
"specialization": "List<SpecializationsDto>",
"yearsOfExperience": "int",
"unionMembershipNumber": "String",
"appointments": "List<AppointmentDto>",
"experiences": "List<ExperienceDto>",
"scientificBackgrounds": "List<ScientificBackgroundDto>",
"services": "List<DoctorServiceDto>",
"doctorSchedules": "List<DoctorScheduleDto>",
"holidaySchedules": "List<DoctorHolidayScheduleDto>",
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/services/{serviceId}

Request Body: DoctorServiceDto

```
{
  "doctorId": "Long",
  "id": "Long",
  "services": "Services"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

GET /doctors/{doctorId}/schedules

Request Body: -

Response: List<DoctorScheduleDto>

GET /doctors/{doctorId}/holiday-schedules

Request Body: -

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Response: List<DoctorHolidayScheduleDto>

POST /doctors/{doctorId}/holiday-schedules

Request Body: DoctorHolidayScheduleDto

```
{
  "id": "Long",
  "doctorId": "long",
  "startTime": "LocalDateTime",
  "endTime": "LocalDateTime",
  "allDay": "boolean"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

DELETE /doctors/{doctorId}/holiday-schedules/{doctorHolidayScheduleId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

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```
}
```

GET /doctors/{doctorId}/insurance-companies

Request Body: -

Response: List<InsuranceCompanyDto>

POST /doctors/{doctorId}/insurance-companies

Request Body: InsuranceCompanyDto

```
{
  "insuranceId": "Long",
  "companyName": "InsuranceCompanies"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

DELETE /doctors/{doctorId}/insurance-companies/{companyId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
}
```

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```
"holidaySchedules": "List<DoctorHolidayScheduleDto>",
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

POST /doctors/{doctorId}/schedules

Request Body: DoctorScheduleDto

```
{
  "doctorId": "Long",
  "id": "Long",
  "dayOfWeek": "DayOfWeek",
  "startTime": "LocalTime",
  "endTime": "LocalTime"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

DELETE /doctors/{doctorId}/schedules/{doctorScheduleId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
}
```

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```
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

GET /doctors/{doctorId}/appointments

Request Body: -

Response: List<LocalDateTime>

GET /doctors/{doctorId}/specializations

Request Body: -

Response: List<SpecializationsDto>

DELETE /doctors/{doctorId}/specializations/{specializationId}

Request Body: -

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/specializations/{specializationId}

Request Body: SpecializationsDto

```
{
  "id": "Long",
  "doctorId": "Long",
  "specialization": "String"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
```

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```
"specialization": "List<SpecializationsDto>",
"yearsOfExperience": "int",
"unionMembershipNumber": "String",
"appointments": "List<AppointmentDto>",
"experiences": "List<ExperienceDto>",
"scientificBackgrounds": "List<ScientificBackgroundDto>",
"services": "List<DoctorServiceDto>",
"doctorSchedules": "List<DoctorScheduleDto>",
"holidaySchedules": "List<DoctorHolidayScheduleDto>",
"insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/scientific-backgrounds/{scientificBackgroundId}

Request Body: ScientificBackgroundDto

```
{
  "doctorId": "Long",
  "id": "Long",
  "doctor": "Doctor",
  "fieldOfStudy": "String",
  "university": "String",
  "degree": "String"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/schedules/{scheduleId}

Request Body: DoctorScheduleDto

```
{
  "doctorId": "Long",
  "id": "Long",
  "dayOfWeek": "DayOfWeek",
  "startTime": "LocalTime",
  "endTime": "LocalTime"
}
```

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```
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/holiday-schedules/{holidayScheduleId}

Request Body: DoctorHolidayScheduleDto

```
{
  "id": "Long",
  "doctorId": "long",
  "startTime": "LocalDateTime",
  "endTime": "LocalDateTime",
  "allDay": "boolean"
}
```

Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```

PUT /doctors/{doctorId}/checkup-duration

Request Body: IntegerDto

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Response: Updated DoctorDto

```
{
  "id": "Long",
  "address": "String",
  "checkupDurationInMinutes": "int",
  "checkupPrice": "double",
  "specialization": "List<SpecializationsDto>",
  "yearsOfExperience": "int",
  "unionMembershipNumber": "String",
  "appointments": "List<AppointmentDto>",
  "experiences": "List<ExperienceDto>",
  "scientificBackgrounds": "List<ScientificBackgroundDto>",
  "services": "List<DoctorServiceDto>",
  "doctorSchedules": "List<DoctorScheduleDto>",
  "holidaySchedules": "List<DoctorHolidayScheduleDto>",
  "insuranceCompanies": "List<InsuranceCompanyDto>"
}
```