**Процедуры**

1)--Процедура для ответов на вопросы незарегистрированных пользователей от имени роли администратора

CREATE PROCEDURE [dbo].[AnswerQuest]

@message\_rew nvarchar(150),

@id\_rwsqst int,

@email\_us nchar(1),

@id\_user nvarchar(70)

AS

BEGIN

UPDATE [dbo].[Rewiews] SET [message\_rew] = @message\_rew, [email\_us] =

(SELECT [email] FROM [dbo].[Users]

JOIN [dbo].[Role] ON [dbo].[Role].role\_id = [dbo].[Users].role\_id

WHERE [dbo].[Role].[role\_id] = @email\_us AND [dbo].[Users].email = @id\_user)

WHERE [id\_rwsqst] = @id\_rwsqst AND [qst/rws] = 'q'

END

2)--Процедура для создания новых пользователей (роль врач) от имени роли администратора

CREATE PROCEDURE [dbo].[CreateNewSpecialist]

@email nvarchar(70),

@password nvarchar(55),

@lastname nvarchar(55),

@firstname nvarchar(55),

@patronymic nvarchar(55),

@date\_of\_birth date,

@telephone nvarchar(20),

@employment\_date date,

@stavka\_in\_day int,

@specialization nvarchar(55),

@direction nvarchar(70)

AS

BEGIN

EXEC [dbo].[CreateNewUsers] @email, @password, @lastname,

@firstname,@patronymic

SET IDENTITY\_INSERT [dbo].[Specialists] ON

INSERT INTO [dbo].[Specialists]

([id\_specialist],[email],[date\_of\_birth],[telephone],[employment\_date],

[stavka\_in\_day],[id\_specializ\_direct]) VALUES

((SELECT MAX([id\_specialist]) FROM [dbo].[Specialists])+1,@email,@date\_of\_birth,

@telephone,@employment\_date,@stavka\_in\_day,

(SELECT [id\_specializ\_direct] FROM [dbo].[Spec\_On\_Direct]

JOIN [dbo].[Specialization] ON [dbo].[Specialization].id\_specialization = [dbo].[Spec\_On\_Direct].id\_specialization

JOIN [dbo].[Directions] ON [dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

WHERE [name\_direction] = @direction AND [name\_specialization] = @specialization))

SET IDENTITY\_INSERT [dbo].[Specialists] OFF

END

3)--Процедура для создания новых пользователей (роль врач) от имени роли администратора

Занесение в таблицу с USERS, где хранятся данные для входа в систему

CREATE PROCEDURE [dbo].[CreateNewUsers]

@email nvarchar(70),

@password nvarchar(55),

@lastname nvarchar(55),

@firstname nvarchar(55),

@patronymic nvarchar(55)

AS

BEGIN

DECLARE @role\_id nvarchar(1)

SET @role\_id = 'S'

INSERT INTO [dbo].[Users]([email],[password],[lastname],

[firstname],[patronymic],[role\_id])

VALUES(@email,@password,@lastname,@firstname,@patronymic,@role\_id)END

4)--Процедура на удаление пациента из таблиц где есть с ним связь

CREATE PROC [dbo].[DelPatient]

@id\_patient int

AS

BEGIN

DELETE FROM [dbo].[Diagnosis\_reception]

WHERE [id\_reception] IN

(SELECT [dbo].[Diagnosis\_reception].[id\_reception] FROM [dbo].[Diagnosis\_reception],[dbo].[Receptions]

WHERE [dbo].[Receptions].[id\_reception] = [dbo].[Diagnosis\_reception].id\_reception

AND [dbo].[Receptions].[id\_patient] = @id\_patient);

DELETE FROM [dbo].[Receptions]

WHERE [id\_patient] = @id\_patient;

DELETE FROM [dbo].[Client\_Patient]

WHERE [id\_patient] = @id\_patient;

DELETE FROM Patients

WHERE [id\_patient] = @id\_patient

END

5)--Процедура на удаление записи в приеме

CREATE PROC [dbo].[DelRecep]

@id\_reception int

AS

BEGIN

DELETE FROM [dbo].[Diagnosis\_reception]

WHERE [id\_reception] = @id\_reception

DELETE FROM [dbo].[Receptions]

WHERE [id\_reception] = @id\_reception

END

6)--Процедура на выгрузку в комбобокс гендера

CREATE PROC [dbo].[GenderComboBox]

AS

BEGIN

SELECT \*FROM Gender

END

7)--Процедура на внесение заявки на прием от роли незарегистрированного пользователя

CREATE PROCEDURE [dbo].[InsertClientRecord]

@lastname nvarchar(55),

@firstname nvarchar(55),

@patronymic nvarchar(55),

@pnone nvarchar(20)

AS

BEGIN

DECLARE @date1 date, @idkl int

set @date1 = GETDATE()

if((select max([id\_klient]) from [dbo].[ClientRecord]) IS NULL)

set @idkl = 1;

else

set @idkl = (select max([id\_klient]) from [dbo].[ClientRecord])+1

INSERT INTO [dbo].[ClientRecord]

VALUES(@idkl,@lastname,@firstname,@patronymic,@date1,@pnone)

END

8)--Процедура на внесение в таблицу пациенты информацию, которую оставил в заявке на прием незарегистрированный пользователь, от роли администратора

CREATE PROCEDURE [dbo].[InsertPatient]

@id\_client int,

@date\_of\_birth date,

@gender nvarchar(3),

@address nvarchar(55),

@passport nvarchar(20)

AS

BEGIN

INSERT INTO [dbo].[Patients]([date\_of\_birth],[gender],[address],[passport])

VALUES (

@date\_of\_birth,@gender,@address,@passport)

INSERT INTO [dbo].[Client\_Patient] VALUES ((SELECT MAX([id\_client\_patient]) FROM [dbo].[Client\_Patient])+1,

(SELECT [id\_klient] FROM [dbo].[ClientRecord] WHERE [id\_klient] = @id\_client), (SELECT MAX([id\_patient]) from [dbo].[Patients]));

END

9)--Процедура на внесение пациента на прием от роли главного врача и администратора

CREATE PROC [dbo].[InsertReceptionPatient]

@lastname nvarchar(55),

@name\_specialization nvarchar(55),

@date date,

@time time,

@id\_pat int

AS

BEGIN

INSERT INTO [dbo].[Receptions] VALUES (

(SELECT [id\_specialist] FROM [dbo].[Specialists]

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Specialization] ON [dbo].[Specialization].id\_specialization = [dbo].[Spec\_On\_Direct].id\_specialization

WHERE [dbo].[Users].[lastname] = @lastname

AND [name\_specialization] = @name\_specialization),@date,@time,@id\_pat)

END

10)--Процедура на выгрузку направлений

CREATE PROCEDURE [dbo].[LoadDirection]

AS

BEGIN

SELECT name\_direction FROM Directions

END

11)--Процедура на выгрузку услуг

CREATE PROCEDURE [dbo].[LoadServices]

AS

BEGIN

SELECT [id\_sevice],[name\_service],[coast],[name\_direction],[dbo].[Users].[lastname] from Service\_coast

JOIN[dbo].[Spec\_On\_Direct] ON Service\_coast.id\_specializ\_direct = [dbo].[Spec\_On\_Direct].id\_specializ\_direct

JOIN[dbo].[Directions] ON[dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

JOIN[dbo].[Specialists] ON Service\_coast.id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN[dbo].[Users] ON[dbo].[Users].email = [dbo].[Specialists].email

END

12)--Процедура на выгрузку услуг в зависимости от выбранного направления

CREATE PROCEDURE [dbo].[LoadServicesOnDirection]

@name\_direction nvarchar(70)

AS

BEGIN

SELECT [id\_sevice],[name\_service],[coast],[name\_direction],[dbo].[Users].[lastname] from Service\_coast

JOIN[dbo].[Spec\_On\_Direct] ON Service\_coast.id\_specializ\_direct = [dbo].[Spec\_On\_Direct].id\_specializ\_direct

JOIN[dbo].[Directions] ON[dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

JOIN[dbo].[Specialists] ON Service\_coast.id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN[dbo].[Users] ON[dbo].[Users].email = [dbo].[Specialists].email

WHERE [name\_direction] = @name\_direction

END

13)--Процедура на загрузку расписание персонала

CREATE PROCEDURE [dbo].[LoadWorkShedule]

AS

BEGIN

SELECT [id\_shedule],[dbo].[Users].[lastname],[date\_shedule\_start],

[date\_shedule\_end],[time\_start],[time\_end],[num\_cab] FROM [dbo].[Work\_shedule]

JOIN Specialists ON Specialists.id\_specialist = Work\_shedule.id\_specialist

JOIN Users ON Users.email = Specialists.email

END

14)--Процедура для вывода пациентов которых нет на приеме у врача

CREATE PROC [dbo].[PatientNotExist]

AS

BEGIN

SELECT [dbo].[Patients].[id\_patient],[lastname],[firstname],

[patronymic],[date\_of\_birth],[gender],[telepnone],

[address],[passport] from [dbo].[Patients]

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

WHERE [dbo].[Patients].id\_patient NOT IN (SELECT [dbo].[Patients].id\_patient FROM [dbo].[Patients]

JOIN [dbo].[Receptions] ON [dbo].[Receptions].id\_patient = [dbo].[Patients].id\_patient)

END

15)--Процедура для вывода вопросов на форме ViewReviews для незарегистрированных пользователей

CREATE PROCEDURE [dbo].[RewiesQ]

AS

BEGIN

SELECT [id\_rwsqst],[name\_user],[date\_rew],[message],[message\_rew], [name\_role] FROM [dbo].[Rewiews]

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Rewiews].[email\_us]

JOIN [dbo].[Role] ON [dbo].[Role].role\_id = [dbo].[Users].role\_id

WHERE [qst/rws] = 'q'

END

16)--Процедура для вывода вопросов на форме ViewReviews для администратора

CREATE PROCEDURE [dbo].[RewiesQRole]

AS

BEGIN

SELECT [id\_rwsqst],[name\_user],[date\_rew],[message],[message\_rew], [email\_us] FROM [dbo].[Rewiews]

WHERE [qst/rws] = 'q'

END

17)--Процедура для вывода отзывов

CREATE PROCEDURE [dbo].[RewiesR]

AS

BEGIN

SELECT [id\_rwsqst],[name\_user],[date\_rew],[message] FROM Rewiews WHERE [qst/rws] = 'r'

END

18)--Процедура для обновление информации о сотруднике(врача)

CREATE PROC [dbo].[UpdateSpecialist]

@id\_spec int,

@email nvarchar(70),

@date\_of\_birth date,

@telephone nvarchar(70),

@employment\_date date,

@stavka\_in\_day int,

@name\_direction nvarchar(70),

@name\_specialization nvarchar(55),

@password nvarchar(55),

@lastname nvarchar(55),

@firstname nvarchar(55),

@patronymic nvarchar(55)

AS

BEGIN

UPDATE [Policlinic\_Medius].[dbo].[Specialists] SET [email] = @email,[date\_of\_birth] = @date\_of\_birth,

[telephone] = @telephone,[employment\_date] = @employment\_date,

[stavka\_in\_day] = @stavka\_in\_day,

[id\_specializ\_direct] =

(SELECT [dbo].[Spec\_On\_Direct].[id\_specializ\_direct] FROM [dbo].[Spec\_On\_Direct]

JOIN [dbo].[Directions] ON [dbo].[Spec\_On\_Direct].id\_direction = [dbo].[Directions].id\_direction

JOIN [dbo].[Specialization] ON [dbo].[Specialization].id\_specialization = [dbo].[Spec\_On\_Direct].id\_specialization

WHERE name\_direction = @name\_direction AND name\_specialization = @name\_specialization)

WHERE [id\_specialist] = @id\_spec

UPDATE [dbo].[Users] SET [email] = @email, [password] = @password,[lastname]=@lastname,[firstname]=@firstname,[patronymic]=@patronymic

WHERE [dbo].[Users].[email] = @email

END

19)--Процедура для обновления информации о расписании сотрудника

CREATE PROC [dbo].[UpdateWorkShedule]

@id\_shedule int,

@date\_shedule\_start date,

@date\_shedule\_end date,

@time\_start time,

@time\_end time,

@num\_cab int

AS

BEGIN

UPDATE [dbo].[Work\_shedule] SET [date\_shedule\_start] = @date\_shedule\_start,

[date\_shedule\_end] = @date\_shedule\_start,

[time\_start]=@time\_start,[time\_end]=@time\_end,[num\_cab]=@num\_cab

WHERE [id\_shedule] = @id\_shedule

END

20)--Процедура для просмотра оставленных заявок на прием (где нет записях о приемах)

CREATE PROCEDURE [dbo].[ViewClient]

AS

BEGIN

SELECT \*FROM [dbo].[ClientRecord]

WHERE [dbo].[ClientRecord].id\_klient NOT IN(SELECT [dbo].[ClientRecord].[id\_klient] FROM [dbo].[ClientRecord],[dbo].[Client\_Patient]

WHERE [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient)

END

21)--Процедура для просмотра пациентов

CREATE PROCEDURE [dbo].[ViewPatient]

AS

BEGIN

SELECT [dbo].[Patients].[id\_patient],[lastname],[firstname],

[patronymic],[date\_of\_birth],[gender],[telepnone],

[address],[passport] from [dbo].[Patients]

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

END

22)--Процедура для просмотра приемов пациентов к врачу

CREATE PROC [dbo].[ViewReceptionPatient]

AS

BEGIN

SELECT [id\_reception],

[dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Users].lastname,[name\_direction],

[date\_reception],[time\_reception] FROM [dbo].[Receptions]

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Receptions].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Patients] ON [dbo].[Patients].id\_patient = [dbo].[Receptions].id\_patient

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Directions] ON [dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

END

23)--Процедура для просмотра содрутников

CREATE PROC [dbo].[ViewSpecialists]

AS

BEGIN

SELECT [id\_specialist],[lastname],[firstname],[patronymic],[telephone],[employment\_date],[stavka\_in\_day],[name\_specialization],[dbo].[Specialists].[email],

[dbo].[Specialists].date\_of\_birth,name\_direction, [Users].[password] FROM [dbo].[Specialists]

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Specialization] ON [dbo].[Spec\_On\_Direct].id\_specialization = [dbo].[Specialization].id\_specialization

JOIN Directions ON Directions.id\_direction = Spec\_On\_Direct.id\_direction

END

24)--Процедура для написания вопроса или отзыва от лица незарегистрированного пользователя

CREATE PROCEDURE [dbo].[WriteReviews]

@name\_user nvarchar(30),

@telephone nvarchar(30),

@email nvarchar(55),

@rws nchar(1),

@message nvarchar(200)

AS

BEGIN

DECLARE @date1 date

set @date1 = GETDATE()

INSERT INTO [dbo].[Rewiews]([name\_user],[telephone],[email],[message],[qst/rws],[date\_rew])

VALUES(@name\_user,@telephone,@email,

@message,@rws,@date1)

END

25)--Процедура отображающая пациентов имеющих диагноз для роли администратора и глав врача

CREATE PROC ViewPatientHaveDiagnos

AS

BEGIN

SELECT [dbo].[Patients].[id\_patient],[dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Patients].date\_of\_birth,[gender],telephone,[address],passport FROM [dbo].[Patients]

JOIN Receptions ON Receptions.id\_patient = Patients.id\_patient

JOIN Specialists ON Specialists.id\_specialist = Receptions.id\_specialist

JOIN Client\_Patient ON Client\_Patient.id\_patient = Patients.id\_patient

JOIN ClientRecord ON ClientRecord.id\_klient = Client\_Patient.id\_klient

JOIN Diagnosis\_reception ON Diagnosis\_reception.id\_reception = Receptions.id\_reception

JOIN Service\_coast ON Service\_coast.id\_sevice = Diagnosis\_reception.id\_sevice

JOIN Diagnosis ON Diagnosis.id\_diagnos = Diagnosis\_reception.id\_diagnos

JOIN Medicines\_diagnosis ON Medicines\_diagnosis.id\_diagnos = Diagnosis.id\_diagnos

JOIN Medicines ON Medicines.id\_medicines = Medicines\_diagnosis.id\_medicines

WHERE [dbo].[Receptions].[id\_reception] IN(SELECT [id\_reception] from Diagnosis\_reception)

END

26)--Процедура для вывода пациентов у которых нет диагноза для администратора и глав врача

CREATE PROC PatientNotDiagnosis

AS

BEGIN

SELECT [id\_reception],

[dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Users].lastname,[name\_direction],

[date\_reception],[time\_reception] FROM [dbo].[Receptions]

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Receptions].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Patients] ON [dbo].[Patients].id\_patient = [dbo].[Receptions].id\_patient

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Directions] ON [dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

WHERE [dbo].[Receptions].[id\_reception] NOT IN(SELECT [id\_reception] FROM [dbo].[Diagnosis\_reception])

END

27)--Процедура чтобы внести диагноз по приему

CREATE PROC InsertDiagnozReception

@name\_diagnos nvarchar(100),

@id\_reception int,

@name\_service nvarchar(300)

AS

BEGIN

INSERT INTO [dbo].[Diagnosis\_reception] VALUES ((SELECT [id\_reception] FROM [dbo].[Receptions] WHERE [id\_reception]= @id\_reception),

(SELECT [id\_diagnos] FROM [dbo].[Diagnosis] WHERE [name\_diagnos] = @name\_diagnos),

(SELECT [id\_sevice] FROM [dbo].[Service\_coast] WHERE [name\_service] = @name\_service))

END

**Функции**

28)--Функция на проверку существование пользователя в системе

CREATE FUNCTION [dbo].[CheckUsers] (@login nvarchar(70))

RETURNS TABLE

AS

RETURN

(SELECT \* FROM Users WHERE email = @login)

29)--Функция на сортировку по дате в таблице отзывов для роли незарегистрированного пользователя

CREATE FUNCTION [dbo].[FiltrData](@dataFrom date,@dataTo date)

RETURNS TABLE

AS

RETURN

(SELECT [id\_rwsqst],[name\_user],[date\_rew],[message],[message\_rew],[email\_us]

FROM Rewiews

WHERE date\_rew BETWEEN @dataFrom AND @dataTo)

30)--Функция на сортировку по дате в таблице отзывов для роли администратора и другого персонала

CREATE FUNCTION [dbo].[FiltrDataUsers](@dataFrom date,@dataTo date)

RETURNS TABLE

AS

RETURN

(SELECT [id\_rwsqst],[name\_user],[date\_rew],[message],[message\_rew]

FROM Rewiews

WHERE date\_rew BETWEEN @dataFrom AND @dataTo)

31)--Функция на загрузку специальности врача в зависимости от выбранного направления

CREATE FUNCTION [dbo].[LoadComboBoxSpecialization](@comboBoxDirection nvarchar(70))

RETURNS TABLE

AS

RETURN

(SELECT name\_specialization FROM Specialization

JOIN[dbo].[Spec\_On\_Direct] ON [dbo].[Specialization].id\_specialization = [dbo].[Spec\_On\_Direct].id\_specialization

JOIN[dbo].[Directions] ON [dbo].[Spec\_On\_Direct].id\_direction = [dbo].[Directions].id\_direction

WHERE [name\_direction] = @comboBoxDirection )

32)--Функция на загрузку в комбобокс врача

CREATE FUNCTION [dbo].[LoadComboBoxVrach](@comboBoxSpec nvarchar(70))

RETURNS TABLE

AS

RETURN

(SELECT [lastname] FROM [dbo].[Users]

JOIN[dbo].[Specialists] ON [dbo].[Specialists].email = [dbo].[Users].email

JOIN[dbo].[Spec\_On\_Direct] ON [dbo].[Specialists].id\_specializ\_direct = [dbo].[Spec\_On\_Direct].id\_specializ\_direct

JOIN[dbo].[Directions] ON [dbo].[Spec\_On\_Direct].id\_direction = [dbo].[Directions].id\_direction

JOIN[dbo].[Specialization] ON [dbo].[Spec\_On\_Direct].id\_specialization = [dbo].[Specialization].id\_specialization

WHERE[name\_specialization] = @comboBoxSpec)

33)--Функция на выгрузку информации конкретно выбранного пациента

CREATE FUNCTION [dbo].[LoadPatientOnId](@id\_shed int)

RETURNS TABLE

AS

RETURN(

SELECT [dbo].[Patients].[id\_patient],[lastname],[firstname],

[patronymic],[date\_of\_birth],[gender],[telepnone],

[address],[passport] from [dbo].[Patients]

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

WHERE [dbo].[Patients].[id\_patient] = @id\_shed

)

34)--Функция на выгрузку информации конкретно выбранного сотрудника

CREATE FUNCTION [dbo].[LoadSpecialistOnId](@id\_specialist int)

RETURNS TABLE

AS

RETURN(

SELECT [id\_specialist],[lastname],[firstname],[patronymic],[telephone],[employment\_date],[stavka\_in\_day],[name\_specialization],[dbo].[Specialists].[email],

[dbo].[Specialists].date\_of\_birth,name\_direction, [Users].[password] FROM [dbo].[Specialists]

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Specialization] ON [dbo].[Spec\_On\_Direct].id\_specialization = [dbo].[Specialization].id\_specialization

JOIN Directions ON Directions.id\_direction = Spec\_On\_Direct.id\_direction

WHERE [id\_specialist] = @id\_specialist)

35)--Функция на выгрузку информации расписания конкретной записи

CREATE FUNCTION [dbo].[LoadWorkShedulePerson] (@id\_shedule int)

RETURNS TABLE

AS

RETURN(

SELECT [id\_shedule],[dbo].[Users].[lastname],[date\_shedule\_start],

[date\_shedule\_end],[time\_start],[time\_end],[num\_cab] FROM [dbo].[Work\_shedule]

JOIN Specialists ON Specialists.id\_specialist = Work\_shedule.id\_specialist

JOIN Users ON Users.email = Specialists.email

WHERE [id\_shedule] = @id\_shedule)

36)--Функция поиска клиента по заявке

CREATE FUNCTION [dbo].[SearchClient](@textSearch nvarchar(55))

RETURNS TABLE

AS

RETURN(

SELECT \*FROM [dbo].[ClientRecord]

WHERE [lastname] LIKE @textSearch)

37)--Функция поиска пациента

CREATE FUNCTION [dbo].[SearchPatient](@textSearch nvarchar(55))

RETURNS TABLE

AS

RETURN(

SELECT [dbo].[Patients].[id\_patient],[lastname],[firstname],

[patronymic],[date\_of\_birth],[gender],[telepnone],

[address],[passport] from [dbo].[Patients]

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

WHERE [lastname] LIKE @textSearch)

38)--Функция поиска услуги

CREATE FUNCTION [dbo].[SearchServices](@textSearch nvarchar(300))

RETURNS TABLE

AS

RETURN(

SELECT [id\_sevice],[name\_service],[coast],[name\_direction],[dbo].[Users].[lastname] from Service\_coast

JOIN[dbo].[Spec\_On\_Direct] ON Service\_coast.id\_specializ\_direct = [dbo].[Spec\_On\_Direct].id\_specializ\_direct

JOIN[dbo].[Directions] ON[dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

JOIN[dbo].[Specialists] ON Service\_coast.id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN[dbo].[Users] ON[dbo].[Users].email = [dbo].[Specialists].email

WHERE [name\_service] like @textSearch)

39)--Функция поиска специалиста

CREATE FUNCTION [dbo].[SearchSpeciliast] (@textSearch nvarchar(55))

RETURNS TABLE

AS

RETURN(

SELECT [id\_shedule],[lastname],[date\_shedule\_start],[date\_shedule\_end],[time\_start],[time\_end],[num\_cab] FROM [dbo].[Work\_shedule]

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Work\_shedule].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

WHERE [lastname] LIKE @textSearch)

40)--Функция поиска расписание специалиста по дате

CREATE FUNCTION [dbo].[SearchSpeciliastOnDate] (@date nvarchar(55))

RETURNS TABLE

AS

RETURN(

SELECT [id\_shedule],[lastname],[date\_shedule\_start],[date\_shedule\_end],[time\_start],[time\_end],[num\_cab] FROM [dbo].[Work\_shedule]

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Work\_shedule].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

WHERE @date BETWEEN [date\_shedule\_start] AND [date\_shedule\_end])

41)--Функция поиска специалиста в расписании

CREATE FUNCTION [dbo].[SearchSpeciliastOnSpisok](@textSearch nvarchar(55))

RETURNS TABLE

AS

RETURN(

SELECT [id\_specialist],[lastname],[firstname],[patronymic],[telephone],[employment\_date],[stavka\_in\_day],[name\_specialization],[dbo].[Specialists].[email],

[dbo].[Specialists].date\_of\_birth,name\_direction, [Users].[password] FROM [dbo].[Specialists]

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Specialization] ON [dbo].[Spec\_On\_Direct].id\_specialization = [dbo].[Specialization].id\_specialization

JOIN Directions ON Directions.id\_direction = Spec\_On\_Direct.id\_direction

WHERE [lastname] LIKE @textSearch)

42)--Функция вывода пациента для определенного специалиста у которого он лечится

CREATE FUNCTION [dbo].[ViewPatientOnSpecialist] (@email nvarchar(70))

RETURNS TABLE

AS

RETURN

(SELECT [dbo].[Patients].[id\_patient],[dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],

[dbo].[ClientRecord].[patronymic],[dbo].[Patients].[date\_of\_birth],[gender],[telepnone],

[address],[passport] from [dbo].[Patients]

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

JOIN [dbo].[Receptions] ON [dbo].[Receptions].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Receptions].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

WHERE [dbo].[Specialists].[email] = @email)

43)--Функция приема для определенного специалиста к которому он привязан

CREATE FUNCTION [dbo].[ViewReceptionPatientOnSpec](@id\_specialist nvarchar(70))

RETURNS TABLE

AS

RETURN

(SELECT [id\_reception],

[dbo].[ClientRecord].[lastname] as ФамилияПациента,[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Users].lastname as ФамилияВрача,[name\_direction],

[date\_reception],[time\_reception] FROM [dbo].[Receptions]

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Receptions].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Patients] ON [dbo].[Patients].id\_patient = [dbo].[Receptions].id\_patient

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Directions] ON [dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

WHERE [dbo].[Specialists].email = @id\_specialist)

44)--Функция отображающая пациентов имеющих диагноз для роли врача

CREATE FUNCTION ViewPatientHaveDiagnosRole(@idspec int)

RETURNS TABLE

AS

RETURN(

SELECT [dbo].[Patients].[id\_patient],[dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Patients].date\_of\_birth,[gender],telephone,[address],passport FROM [dbo].[Patients]

JOIN Receptions ON Receptions.id\_patient = Patients.id\_patient

JOIN Specialists ON Specialists.id\_specialist = Receptions.id\_specialist

JOIN Client\_Patient ON Client\_Patient.id\_patient = Patients.id\_patient

JOIN ClientRecord ON ClientRecord.id\_klient = Client\_Patient.id\_klient

JOIN Diagnosis\_reception ON Diagnosis\_reception.id\_reception = Receptions.id\_reception

JOIN Service\_coast ON Service\_coast.id\_sevice = Diagnosis\_reception.id\_sevice

JOIN Diagnosis ON Diagnosis.id\_diagnos = Diagnosis\_reception.id\_diagnos

JOIN Medicines\_diagnosis ON Medicines\_diagnosis.id\_diagnos = Diagnosis.id\_diagnos

JOIN Medicines ON Medicines.id\_medicines = Medicines\_diagnosis.id\_medicines

WHERE [dbo].[Receptions].[id\_reception] IN(SELECT [id\_reception] from Diagnosis\_reception) AND [Specialists].id\_specialist = @idspec

)

45)--Функция отображающая карту пациентов для роли врача

CREATE FUNCTION CardPatientVrach(@idpat int)

RETURNS TABLE

AS

RETURN(

SELECT [dbo].[Patients].[id\_patient],[dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Patients].date\_of\_birth,[passport],[gender],[address],[name\_diagnos],[name\_medicines],[name\_manufacterer],[name\_service],[coast] FROM [dbo].[Patients]

JOIN Receptions ON Receptions.id\_patient = Patients.id\_patient

JOIN Specialists ON Specialists.id\_specialist = Receptions.id\_specialist

JOIN Client\_Patient ON Client\_Patient.id\_patient = Patients.id\_patient

JOIN ClientRecord ON ClientRecord.id\_klient = Client\_Patient.id\_klient

JOIN Diagnosis\_reception ON Diagnosis\_reception.id\_reception = Receptions.id\_reception

JOIN Service\_coast ON Service\_coast.id\_sevice = Diagnosis\_reception.id\_sevice

JOIN Diagnosis ON Diagnosis.id\_diagnos = Diagnosis\_reception.id\_diagnos

JOIN Medicines\_diagnosis ON Medicines\_diagnosis.id\_diagnos = Diagnosis.id\_diagnos

JOIN Medicines ON Medicines.id\_medicines = Medicines\_diagnosis.id\_medicines

WHERE [dbo].[Specialists].[id\_specialist] = @idpat)

)

46)--Функция отображающая карту пациентов для роли администратора и главного врача

CREATE FUNCTION CardPatient(@idpat int)

RETURNS TABLE

AS

RETURN(

SELECT [dbo].[Patients].[id\_patient],[dbo].[ClientRecord].[lastname] as фамилияпациента,[dbo].[ClientRecord].[firstname]as имяпациента,

[dbo].[ClientRecord].[patronymic] as отчествопациента,

[dbo].[Patients].date\_of\_birth,[passport],[gender],[address],[name\_diagnos],[name\_medicines],[name\_manufacterer],[name\_service],[coast],

[dbo].[Users].lastname,[dbo].[Users].firstname,[dbo].[Users].patronymic FROM [dbo].[Patients]

JOIN Receptions ON Receptions.id\_patient = Patients.id\_patient

JOIN Specialists ON Specialists.id\_specialist = Receptions.id\_specialist

JOIN Users ON Users.email = Specialists.email

JOIN Client\_Patient ON Client\_Patient.id\_patient = Patients.id\_patient

JOIN ClientRecord ON ClientRecord.id\_klient = Client\_Patient.id\_klient

JOIN Diagnosis\_reception ON Diagnosis\_reception.id\_reception = Receptions.id\_reception

JOIN Service\_coast ON Service\_coast.id\_sevice = Diagnosis\_reception.id\_sevice

JOIN Diagnosis ON Diagnosis.id\_diagnos = Diagnosis\_reception.id\_diagnos

JOIN Medicines\_diagnosis ON Medicines\_diagnosis.id\_diagnos = Diagnosis.id\_diagnos

JOIN Medicines ON Medicines.id\_medicines = Medicines\_diagnosis.id\_medicines

WHERE [dbo].[Specialists].[id\_specialist] = @idpat

)

47)--Функция для вывода пациентов у которых нет диагноза для врача

CREATE FUNCTION ViewPatientOnSpecialistNotDiagnosis(@id\_specialist nvarchar(70))

RETURNS TABLE

AS

RETURN

(SELECT [id\_reception],

[dbo].[ClientRecord].[lastname] as ФамилияПациента,[dbo].[ClientRecord].[firstname],[dbo].[ClientRecord].[patronymic],

[dbo].[Users].lastname as ФамилияВрача,[name\_direction],

[date\_reception],[time\_reception] FROM [dbo].[Receptions]

JOIN [dbo].[Specialists] ON [dbo].[Specialists].id\_specialist = [dbo].[Receptions].id\_specialist

JOIN [dbo].[Users] ON [dbo].[Users].email = [dbo].[Specialists].email

JOIN [dbo].[Patients] ON [dbo].[Patients].id\_patient = [dbo].[Receptions].id\_patient

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

JOIN [dbo].[Spec\_On\_Direct] ON [dbo].[Spec\_On\_Direct].id\_specializ\_direct = [dbo].[Specialists].id\_specializ\_direct

JOIN [dbo].[Directions] ON [dbo].[Directions].id\_direction = [dbo].[Spec\_On\_Direct].id\_direction

WHERE [dbo].[Specialists].email = @id\_specialist AND [dbo].[Receptions].[id\_reception]

NOT IN(SELECT [id\_reception] FROM [dbo].[Diagnosis\_reception]))

48)--Функция для вывода инофрмации пациента чтобы поставить диагноз

CREATE FUNCTION ViewPatientOnSpecialistAddDiagnos(@id\_reception int)

RETURNS TABLE

AS

RETURN

(SELECT [id\_reception], [dbo].[ClientRecord].[lastname],[dbo].[ClientRecord].[firstname],

[dbo].[ClientRecord].[patronymic],[dbo].[Patients].[date\_of\_birth],[gender] FROM [dbo].[Receptions]

JOIN [dbo].[Patients] ON [dbo].[Patients].id\_patient = [dbo].[Receptions].id\_patient

JOIN [dbo].[Client\_Patient] ON [dbo].[Client\_Patient].id\_patient = [dbo].[Patients].id\_patient

JOIN [dbo].[ClientRecord] ON [dbo].[ClientRecord].id\_klient = [dbo].[Client\_Patient].id\_klient

WHERE [id\_reception] = @id\_reception)

**Триггеры**

49)--Триггер для доудаления информации в заявке после удаления пациента

ALTER TRIGGER [dbo].[DelClientRecord]

ON [dbo].[Client\_Patient]

AFTER DELETE

AS

DELETE [dbo].[ClientRecord]

WHERE [id\_klient] IN (SELECT [id\_klient] FROM deleted)