

Etapa III proiect Tehnologii Web

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Subject: Web based Appointment Systems

Link github: <https://github.com/DorinGalben/TW-AppointmentManager>

Descrierea aplicatiei:

La inceput, aplicatia va avea 4 mari entitati : **User**, **Client**, **CalendarAppointment**, **BookingEvent**. User reprezinta utilizatorii aplicatiei iar ei pot adauga programari(Appointments) pentru Clienti. De asemenea, clientii se pot programa singuri daca utilizatorii sunt liberi in intervalul orar specificat.

Exemplu : User pot reprezenta doctorii de la un cabinet medical ce adauga programari(Appointments) pentru pacienti(Clienti). De asemenea pacientii se pot programa online daca doctorul este liber.

Ca tehnologii, aplicatia va folosi platforma ASP.NET MVC5, pentru baza de date vom folosi ORM-ul Entity framework legat la o baza de date SQL, partea de back-end va fi scrisa in mare parte in C# iar pentru front-end vom folosi HTML5, CSS, Javascript + Bootstrap, JQuery, Ajax si librarii precum fullcalendar.js pentru afisarea programarilor in calendar. Aplicatia va avea metode API si un strat de Servicii. Pentru evitarea atacurilor de tip Cross-Site-Request-Forging vom folosi pentru formulare token-uri anti-forgery.

Aplicatia va avea o interfata prietenoasa pentru utilizatori.. Utilizatorii pot inregistra conturi. Fiecare utilizator are o pagina **Settings** unde isi poate schimba datele personale (Parola, Adresa, Nr.telefon, Detalii personale etc). Aplicatia va avea o pagina de **Gestionare Utilizatori** unde utilizatorii cu rol de administrator pot gestiona datele personale si permisiunile celorlalti utilizatori. O pagina de **Gestionare Clienti** unde fiecare utilizator poate gestiona datele clientilor sai si programarile lor. De asemenea vom avea o pagina de **Calendar Programari** unde fiecare utilizator poate gestiona programarile clientilor sai.

Arhitectura aplicatiei:

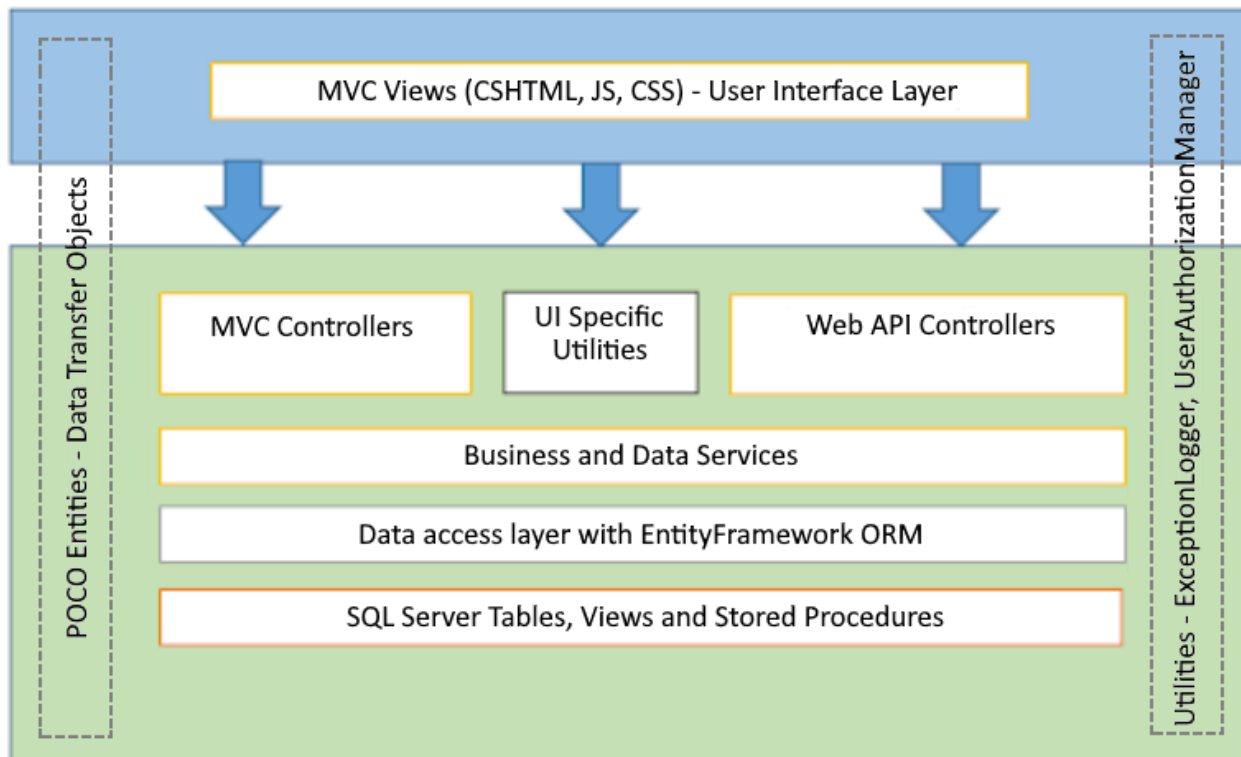
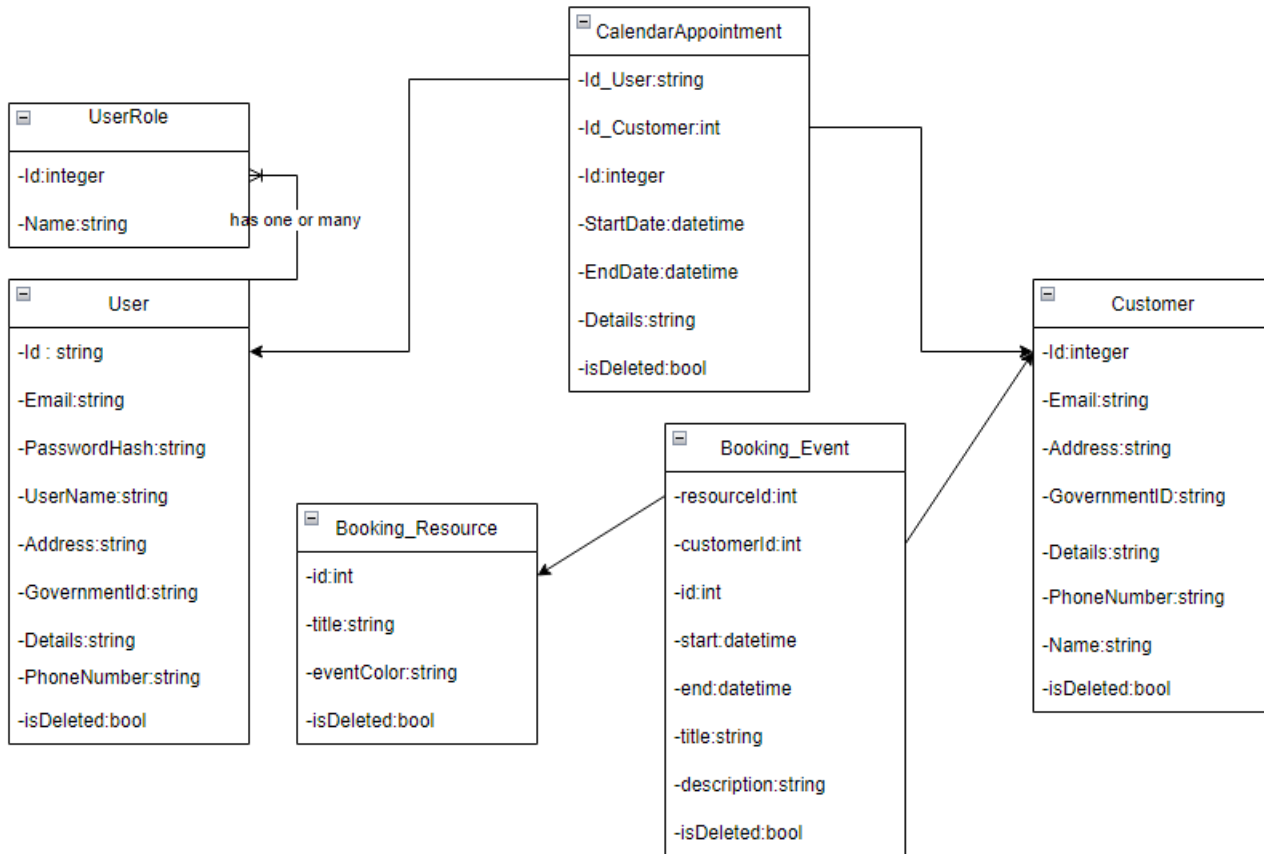


Diagrama UML a claselor utilizate:



Sistemul de gestionare a rolurilor/permisiunilor poate fi folosit pentru a restrictiona accesul utilizatorilor la anumite Controllere/Metode Controller sau pentru a ascunde unele elemente din Views, daca utilizatorul nu are permisiunile necesare.

-Exemplu de restrictionare a accesului la Controller:

```

[Authorize]
[UserAuthorization(AuthOptions.Permissions.ViewUsersPage)]
0 references
public class UserManagementController : Controller
{

```

-Exemplu de restrictionare/ascundere a unor elemente din View:

```

if (User.HasPermission(AuthOptions.Permissions.EditUserInfo))
{
    <td class="">
        <div class="before-element">Operations</div>
        <input type="button" class="btn btn-warning btn-action btn-action-edit" value="Edit" />
        <input type="submit" class="btn btn-success btn-action btn-action-save hidden" value="Save changes" />
        <input type="button" class="btn btn-danger btn-action btn-action-delete m-1-5"
    </td>
}

```

Paginile aplicatiei:

1.Pagina de setari personale. Fiecare utilizator isi poate seta Parola, Email-ul, Adresa, Denumirea, Numarul de telefon

User personal settings

Nickname

User2 nickname

**Phone
number**

Email

user2@yahoo.com

Address

address user2

Details

details2

Change Password

Save changes

Log Off

2.Pagina de gestionare a utilizatorilor. Utilizatorii cu permisiunile necesare (Permissions.ViewUsersPage) pot vizualiza aceasta pagina. Utilizatorii cu permisiunile necesare (Permissions.EditUserInfo) pot de asemenea sa

editeze sau sa stearga datele altor utilizatori. Datele pot sa fie exportate in format Json sau CSV.

User management

User name	Email	Nickname	Details	Address	Phone	Roles	Operations
user2@yahoo.com	user2@yahoo.com	User2 nicknan	details2	address user2		Organization Admin, Super Admin	<button>Edit</button> <button>Delete</button>
qwe3@yahoo.com	qwe3@yahoo.com	qwe3Nicknam	qwe3Details	qwe3Address		None selected	<button>Edit</button> <button>Delete</button>
qwe@qwe.com	qwe@qwe.com	billy 222			072214512	Regular User	<button>Edit</button> <button>Delete</button>
qwe@yahoo.com	qwe@yahoo.com	johnny	johnny's detail	johnny's addre		None selected	<button>Edit</button> <button>Delete</button>
user3@yahoo.com	user3@yahoo.com	User3Nicknan				None selected	<button>Save changes</button> <button>Delete</button>
usr1@yahoo.com	usr1@yahoo.com	User1	details1	address user1		<input type="checkbox"/> Regular User <input type="checkbox"/> Organization Admin <input type="checkbox"/> Super Admin	<button>Edit</button> <button>Delete</button>
user4@yahoo.com	myemail@yahoo.com	Nicknamee	alergic to glute	user4			<button>Edit</button> <button>Delete</button>
							<button>Export to Json</button> <button>Export to CSV</button>

3.Pagina de gestionare a clientilor. Utilizatorii cu permisiunile necesare (Permissions.ViewCustomersPage) pot vizualiza aceasta pagina. Utilizatorii pot de asemenea adauga client noi sau sa editeze/stearga datele clientilor existenti daca au permisiunile necesare (Permissions.EditCustomerInfo). Datele din acest table pot fi exportate in format Json sau CSV.

Add new customer X

Name		Email	
Address		Phone	
Govt.ID		Details	

Submit changes

Customer management

Add customer

Name	Email	Address	Phone	Govt. ID	Details	Operations	
Billy	billy@gmail.com	4123412	1555	CNP	55	Edit	Delete
John smith	emailqwewqe@yahoo.co	John address	35	govtqwewqe	detailsqwewqe	Edit	Delete
johnny	johnny@gmail.com	address	5555	4444	detailss	Edit	Delete
name test	emailtest	address test	3999	govt test	details test	Edit	Delete
name test	emailtest	address test	4477	govt test	details test	Edit	Delete
bbbb	ffff	address	0722411521	19507271931	he is allergic to g	Save changes	Delete
asdasdad	vvvvv		4444			Edit	Delete
Johnny Cash	Johnny@email.com	johnnys address				Edit	Delete
Popescu Ion	popescu@gmail.com	adresa popesu	07223123	CNP 19582123	Detalii	Edit	Delete
NewCustomer	newcustomeremail		07442123	CNP 195028491		Edit	Delete

Export to Json Export to CSV

4. Pagina de gestionare a programarilor. In aceasta pagina fiecare utilizator are posibilitatea de a adauga programari pentru clientii sai folosind un formular. Formular contine informatii despre data_start, data_final programare, id_client si detalii/observatii despre programare. De asemenea este posibila exportarea datelor in format Json sau CSV.

Day Week Month

15 Nov 2021 – 21 Nov 2021

Today < >

	Mon, November 15	Tue, November 16	Wed, November 17	Thu, November 18	Fri, November 19	Sat, November 20	Sun, November 21
8 ⁰⁰		08:15 - 09:15 New event	08:20 - 09:05 New event111			08:30 - 10:25 New event	
9 ⁰⁰		09:35 - 10:25 New event22					
10 ⁰⁰		10:35 - 11:05 New event333					
11 ⁰⁰		11:40 - 12:10 New event444					
12 ⁰⁰							
13 ⁰⁰							
14 ⁰⁰							
15 ⁰⁰							
16 ⁰⁰							
17 ⁰⁰							
18 ⁰⁰							
19 ⁰⁰							

08:30 - 10:25 New event

Customer: Billy

Details
New event

Save Cancel Delete

Export to Json Export to CSV

Two teal rectangular buttons with a white hamburger menu icon (three horizontal lines) inside a rounded square.

User management

Username	user2@yahoo.com
Email	user2@yahoo.com
Nickname	User2 nickname
Details	details2
Address	address user2
Phone	
Roles	Organization Admin, Super Admin
Operations	<div><div>Edit</div><div>Delete</div></div>

User personal settings

Nickname

User2 nickname

Phone number

Email

user2@yahoo.com

Address

address user2

Details

details2

Change Password

Save changes

Log Off

5.Pagina de gestionare a rezervarilor(bookings). Exemplu de resurse ce pot fi rezervate : camere de hotel, paturi in sectia ATI. In aceasta pagina fiecare utilizator are posibilitatea de a rezerva o resursa intr-un anumic interval de timp, pentru un anumit eveniment (exemplu: internarea unui nou pcient, cazarea unui nou client la hotel) . Utilizatorul poate adauga resurse noi, evenimente noi iar fiecare eveniment poate avea o denumire, clientul caruia ii este asociat, o data de start si data de final. Evenimentele deja create pot sa fie editate sau sterse, utilizatorul poate muta evenimentele din tabel folosind mouse-ul iar noile valori vor fi actualizate in baza de date folosind apeluri AJAX. De asemenea este posibila exportarea datelor in format Json sau CSV.

[illegible]

December 2021

4 S

5 S

6 M

7 T

8 W

9 T

10 F

11 S

12 S

13 M

14 T

15 W

16 T

17 F

18 S

19 S

20 M

21 T

8:16p - 8:17p cazare client 2

2a - 8a cazare client 1

2a cazare client 7

12:40a internar

5:00p internar

Edit event

Title

cazare client 1

Room ID

Camera hotel 3

Start date

04-12-2021 02:00

End date

09-12-2021 08:00

Delete

Submit changes

Room management

Event management

today

<

>

December 2021

day3 days10 days

Resource

1 W

2 T

3 F

4 S

5 S

6 M

7 T

8 W

9 T

10 F

11 S

12 S

13 M

14 T

15 W

16 T

17 F

18 S

19 S

20 M

21 T

22 W

23 T

24 F

25 S

26 S

27 M

28 T

29 W

Camera hotel 1

Camera hotel 2

Camera hotel 3

Camera hotel 4

Pat 1 ATI

Pat 2 ATI

Pat 3 ATI

Pat 4 ATI

Pat 5 ATI

Event management

Add event

Title	Room	Start date	End date	Operations
cazare client 1	8	04-Dec-21 2:00:00 AM	09-Dec-21 8:00:00 AM	<div>Edit</div> <div>Delete</div>
internare pacient 2	3	04-Dec-21 5:09:00 PM	05-Dec-21 7:10:00 PM	<div>Edit</div> <div>Delete</div>
internare pacient 4	5	04-Dec-21 7:15:00 PM	07-Dec-21 8:16:00 AM	<div>Edit</div> <div>Delete</div>
cazare client 2	6	04-Dec-21 8:16:00 PM	09-Dec-21 8:17:00 PM	<div>Edit</div> <div>Delete</div>
internare pacient 5	10	05-Dec-21 2:38:00 AM	10-Dec-21 5:39:00 AM	<div>Edit</div> <div>Delete</div>
internare pacient 6	11	05-Dec-21 11:14:00 AM	15-Dec-21 1:13:00 PM	<div>Edit</div> <div>Delete</div>
internare pacient 3	1	07-Dec-21 12:40:00 AM	08-Dec-21 12:41:00 AM	<div>Edit</div> <div>Delete</div>
cazare client 7	9	11-Dec-21 2:00:00 AM	18-Dec-21 2:00:00 AM	<div>Edit</div> <div>Delete</div>

Export to CSV

Export to Json

Room management

Event management

today



December 2021

day 3 days 10 days

Resource

Camera hotel 1

Camera hotel 2

Camera hotel 3

Camera hotel 4

Pat 1 ATI

Pat 2 ATI

Pat 3 ATI

Pat 4 ATI

Pat 5 ATI

Room management



Add room

Room name	Event color	Operations	
Camera hotel 1	green	Edit	Delete
Camera hotel 2	blue	Edit	Delete
Camera hotel 3	brown	Edit	Delete
Camera hotel 4		Edit	Delete
Pat 1 ATI	green	Edit	Delete
Pat 2 ATI	green	Edit	Delete
Pat 3 ATI	red	Edit	Delete
Pat 4 ATI	green	Edit	Delete
Pat 5 ATI	green	Edit	Delete

Export to CSV

Export to Json