

## Etapa II proiect Tehnologii Web

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**Subiect:** Web based Appointment Systems

### Descrierea aplicatiei:

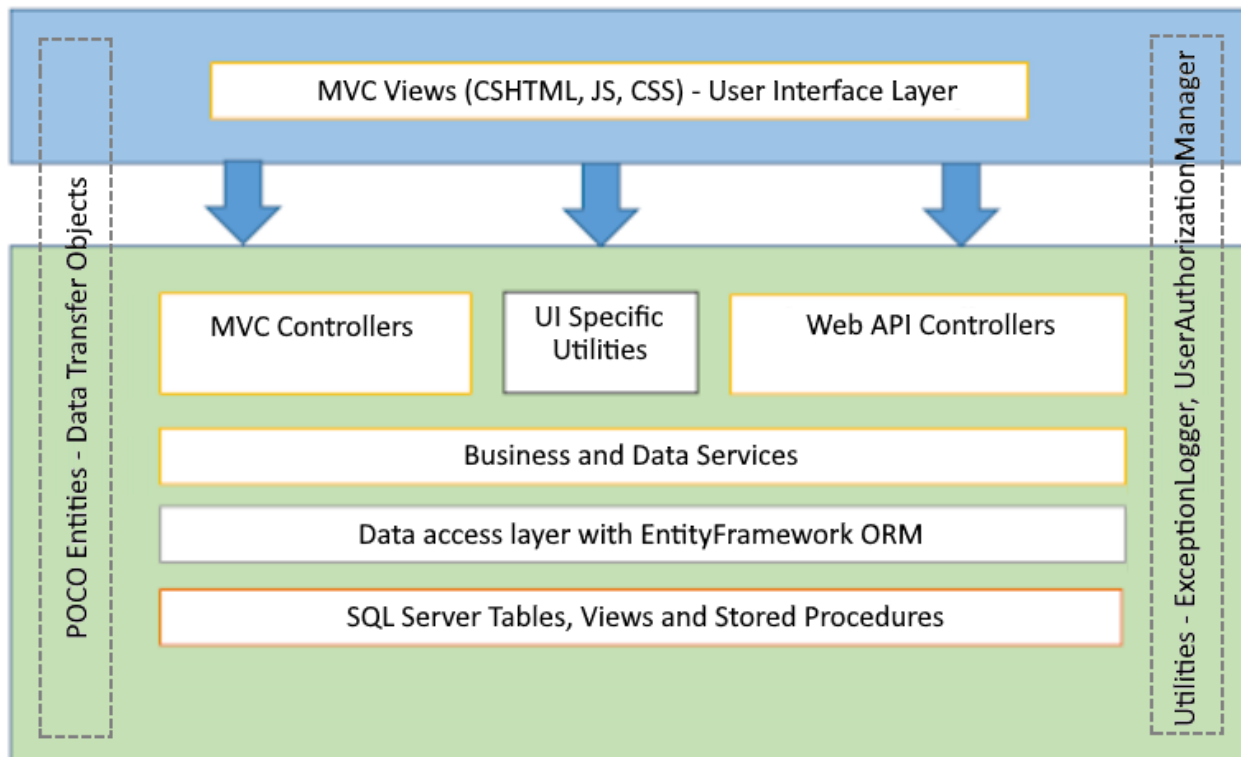
La inceput, aplicatia va avea 3 mari entitati : **User**, **Client** si **CalendarAppointment**. User reprezinta utilizatorii aplicatiei iar ei pot adauga programari(Appointments) pentru Clienti. De asemenea, clientii se pot programa singuri daca utilizatorii sunt liberi in intervalul orar specificat.

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.

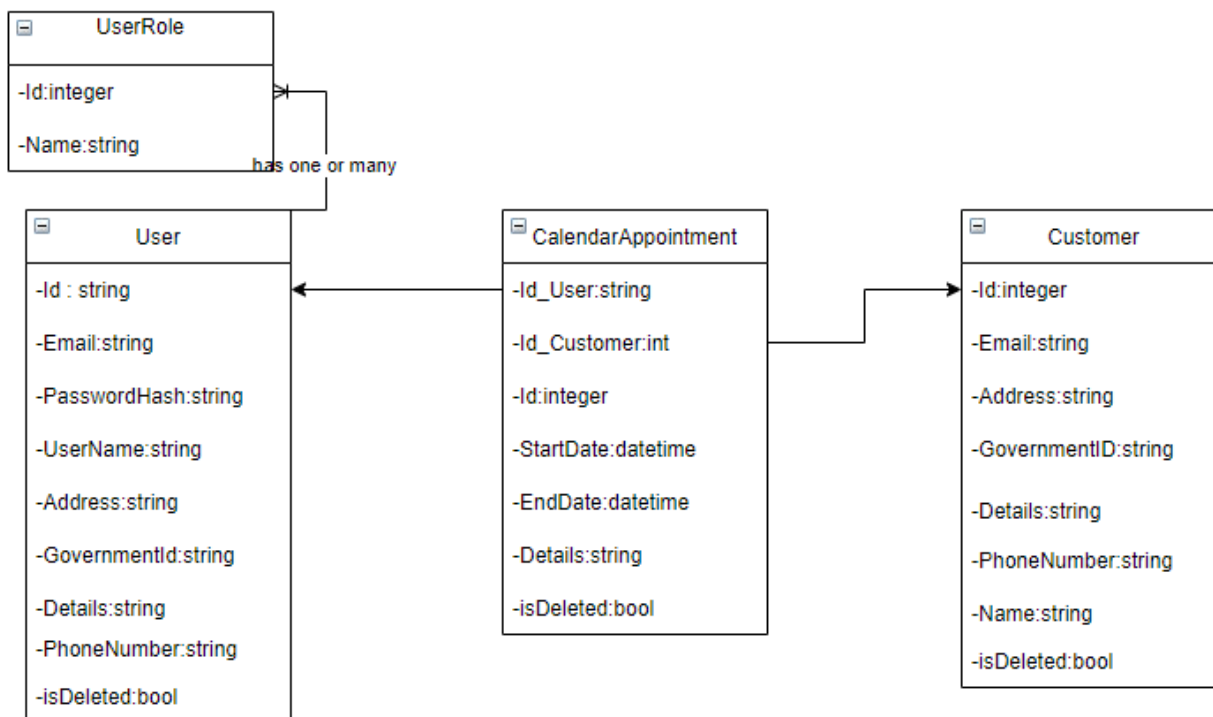
Ca tehnologii, aplicatia va folosi platforma ASP.NET MVC5, pentru baza de date vom folosi ORM-ul Entity framework legat la o baza de date SQL, partea de back-end va fi scrisa in mare parte in C# iar pentru front-end vom folosi HTML5, CSS, Javascript + Bootstrap, JQuery, Ajax si librarii precum fullcalendar.js 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 UserManagerController : 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	<div>EditDelete</div>
qwe3@yahoo.com	qwe3@yahoo.com	qwe3Nicknam	qwe3Details	qwe3Address		None selected	<div>EditDelete</div>
qwe@qwe.com	qwe@qwe.com	billy 222			072214512	Regular User	<div>EditDelete</div>
qwe@yahoo.com	qwe@yahoo.com	johnny	johnny's detail	johnny's addre		None selected	<div>EditDelete</div>
user3@yahoo.com	user3@yahoo.com	User3Nicknan				None selected	<div>Save changesDelete</div>
usr1@yahoo.com	usr1@yahoo.com	User1	details1	address user1		<div><div><input type="checkbox"/> Regular User</div><div><input type="checkbox"/> Organization Admin</div><div><input type="checkbox"/> Super Admin</div></div>	<div>EditDelete</div>
user4@yahoo.com	myemail@yahoo.com	Nicknamee	alergic to glute	user4			<div>EditDelete</div>
							<div>Export to JsonExport to CSV</div>

**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

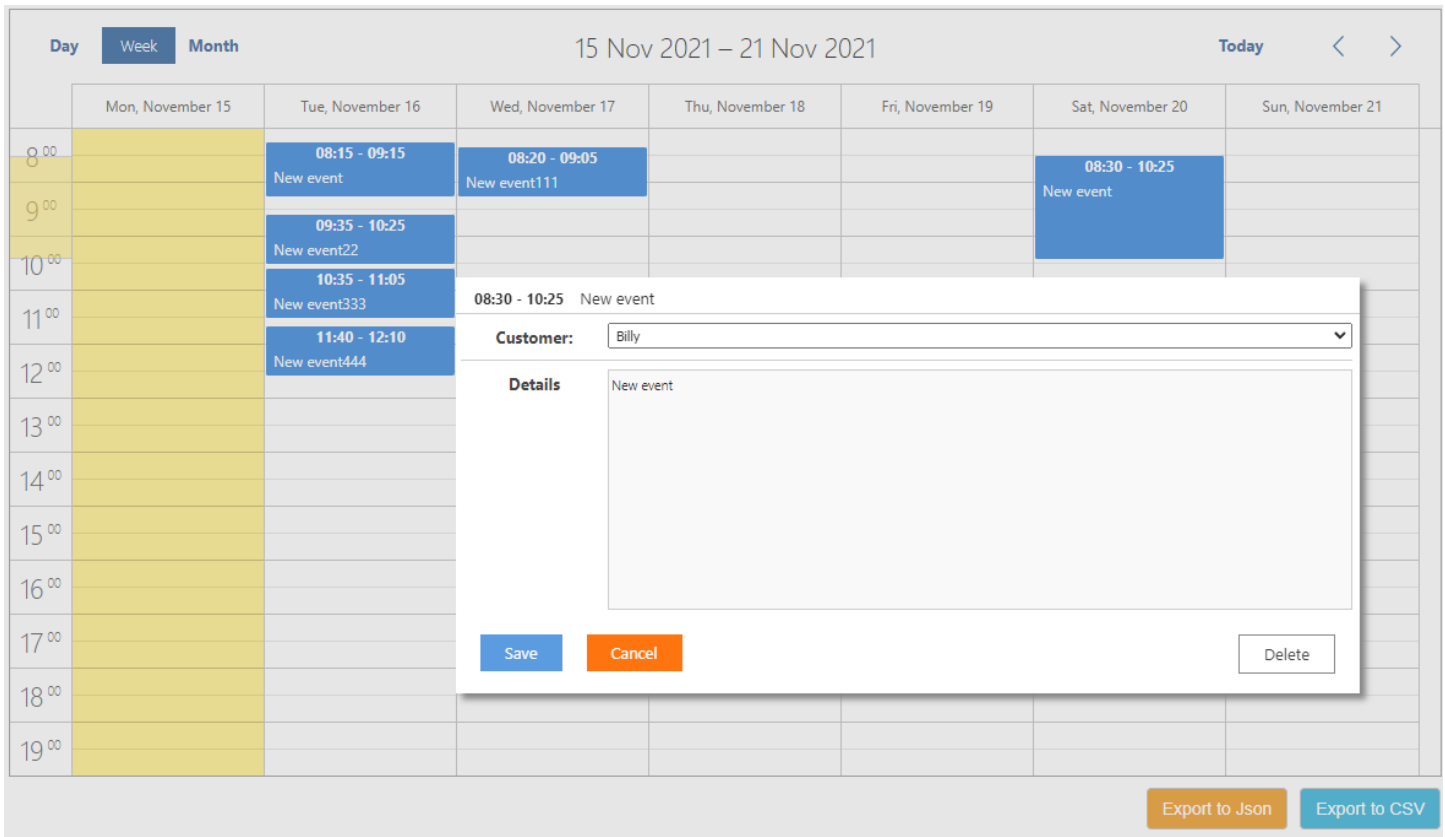
Add customer

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
bbbbbb	ffffff	addresss	0722411521	19507271931	he is alergic 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.



Fiecare pagina a aplicatiei este responsive deoarece am folosit Bootstrap pentru interfata cu utilizatorul.



## 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	<button>Edit</button> <button>Delete</button>



## User personal settings

<b>Nickname</b>
<input type="text" value="User2 nickname"/>
<b>Phone number</b>
<input type="text"/>
<b>Email</b>
<input type="text" value="user2@yahoo.com"/>
<b>Address</b>
<input type="text" value="address user2"/>
<b>Details</b>
<input type="text" value="details2"/>
<button>Change Password</button>
<button>Save changes</button>
<button>Log Off</button>