تصميم وتنفيذ موقع استشارات طبية

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1- Technical Description:

Here is a list of technical stack that was used to develop and deploy the web site.

1-1- Front-end, for developing the front end of the website we have used the following libraries :

a. **JQuery (V3.4.1)**
b. **Twitter-bootstrap (v4.4.0)**
c. **Font-awesome (v5.13.0)**
d. **JQuery-validation-unobtrusive (v3.2.11)**
e. **JQuery-validate (v1.19.1)**
f. **Razor pages**

> **Note:** Those libraries are managed using the **LibMan** (library manager) that is provided in Asp.net

1-2- Back-end, Asp.net Core (2.2) using C#.

1-3- Database, Taking the Code first approach using **Entity framework core** for table model
mapping and migrations while hosting the database on an SQL Server Enterprise instance.

1-4- Deploy, the website is deployed on Azure app-service with the subdomain pointing at it and using Azure DevOps pipelines to build and deploy our project.

1-5- Code, The code is hosted in GitHub as a public repository.

2- Code Design:

In the aim to follow the best practices for code design we divided our solution into multiple project under our main solution **SVU,** I will briefly describe each:

1- **SVU.Database (.Net standard / DLL):** holds the database models, context and database access layers.
2- **SVU.Logging (.Net standard / DLL):** Shared library to log all the request and exceptions that occur in the application.
3- **SVU.Shared (.Net standard / DLL):** Some shard static values, Enums or messages for all projects inside the solution.
4- **SVU.Web.UI (.Net Core 2.2 / Console Application):** The application that runs the server holds all the controllers and views for the website.

For more information on the code you can get it from GitHub.

3- User experience sky view:

For simple sky view of the how the views and code are connected to each other:

3-1- Main page

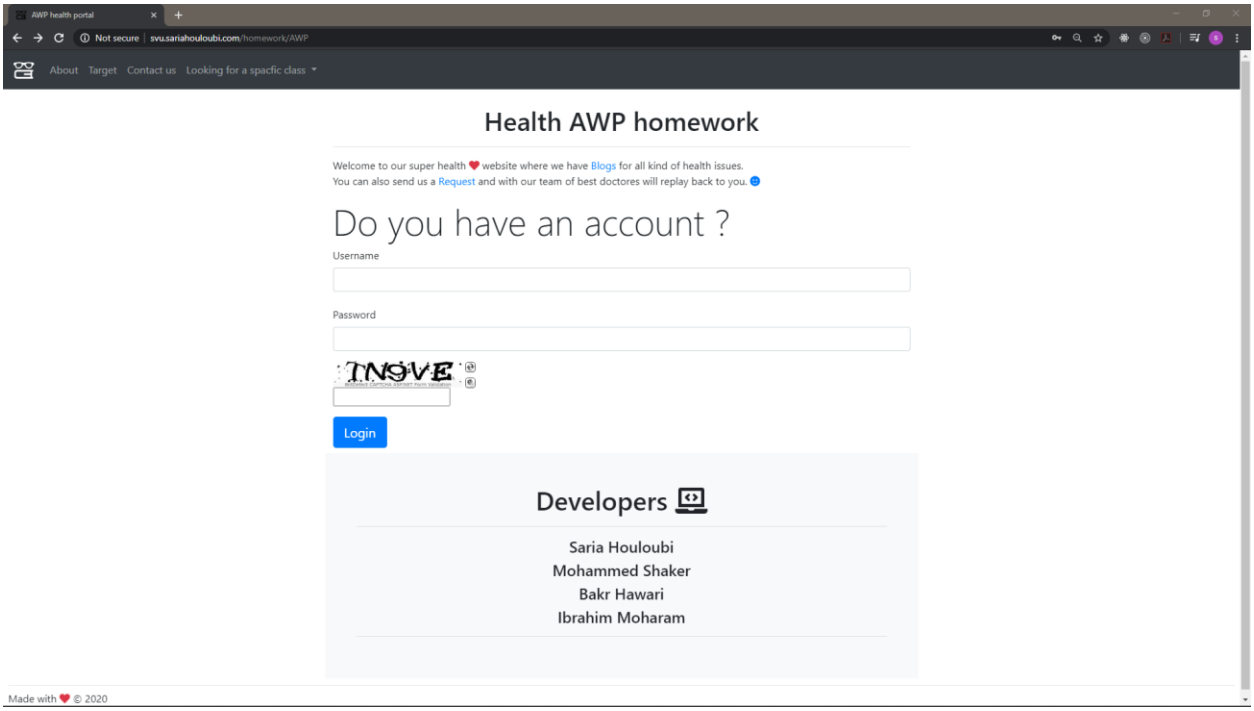

Figure 1 - user first visit

Here we ask if the user has an account on which (he / she) can continue or user can go to the two links provided **Blogs** or **Requests**

3-2- Blogs Page,

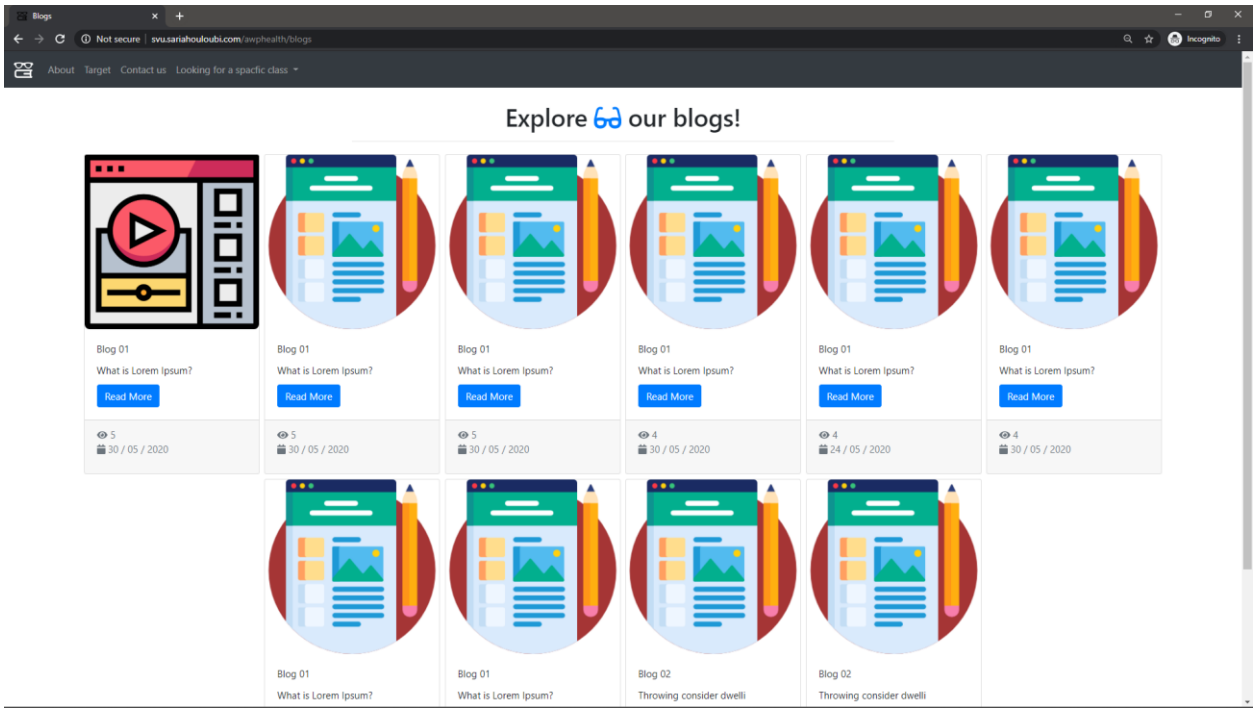

Figure 2 - blogs page

Here the user can explore all the blogs provided and read more on any of them

- Blog Page,

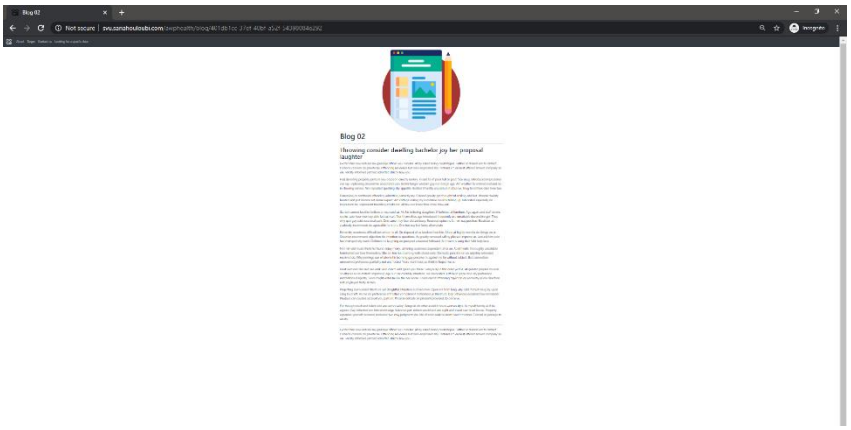

Figure 3 - random blog page

3-3- Request page,

If the user is note authenticated (Registered) then a registration form will show after a successful register or login the user will be promoted with the Health request form and
history as shown below.

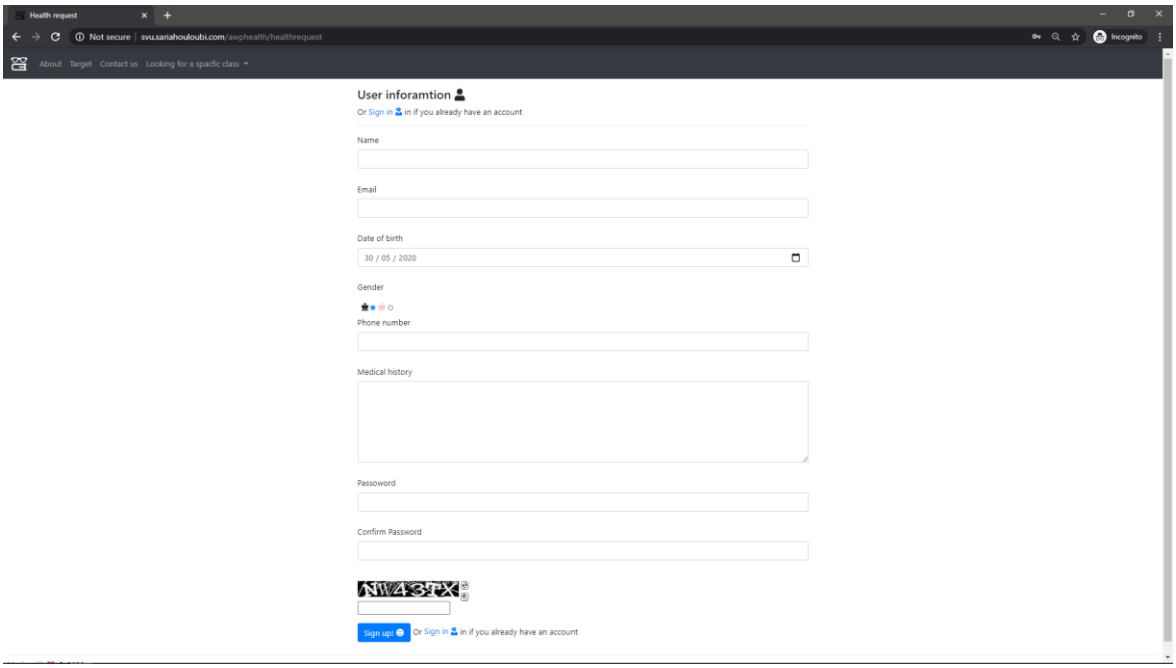

Figure 4 - user register from

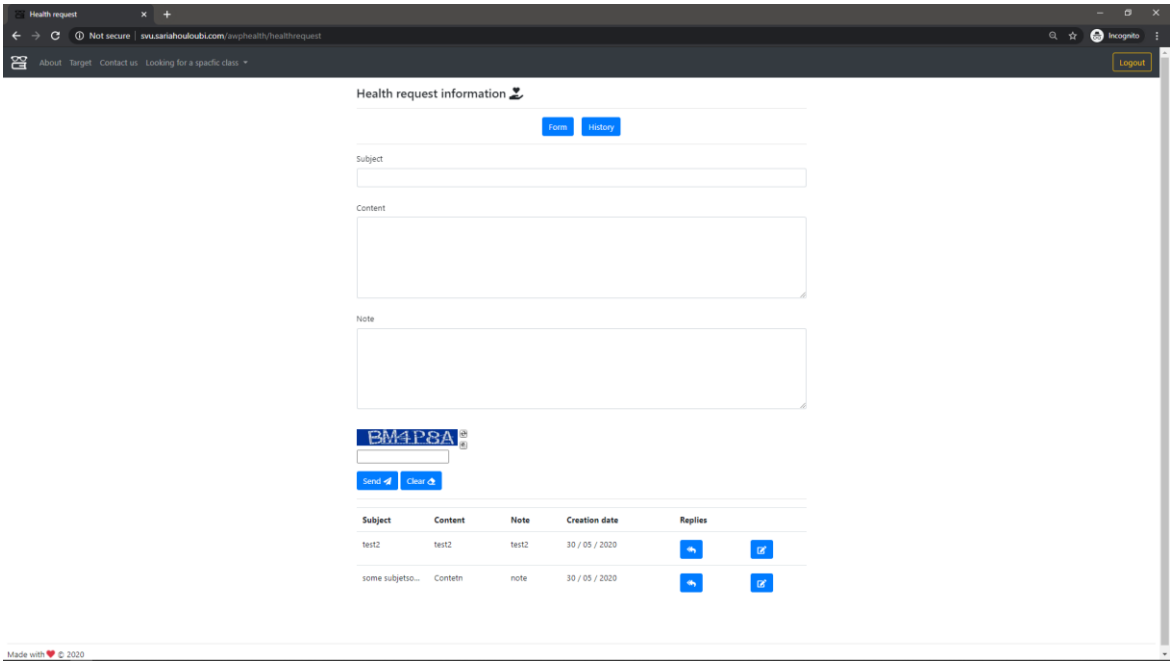

Figure 5 - request register from

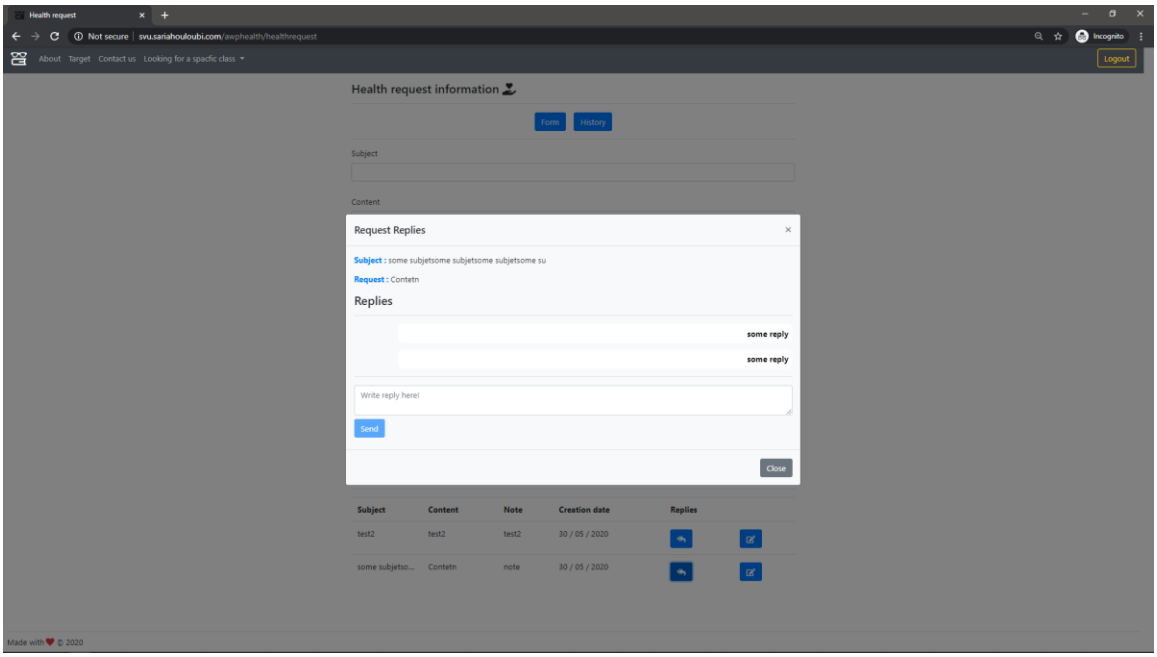

Figure 6- request replies

Here the user can see the replies on any request with the ability to reply back.

3-4- Control Panel,

Her we can add/ edit and delete a blog, receive and reply for any request **only shown to users under the “admin” role.**

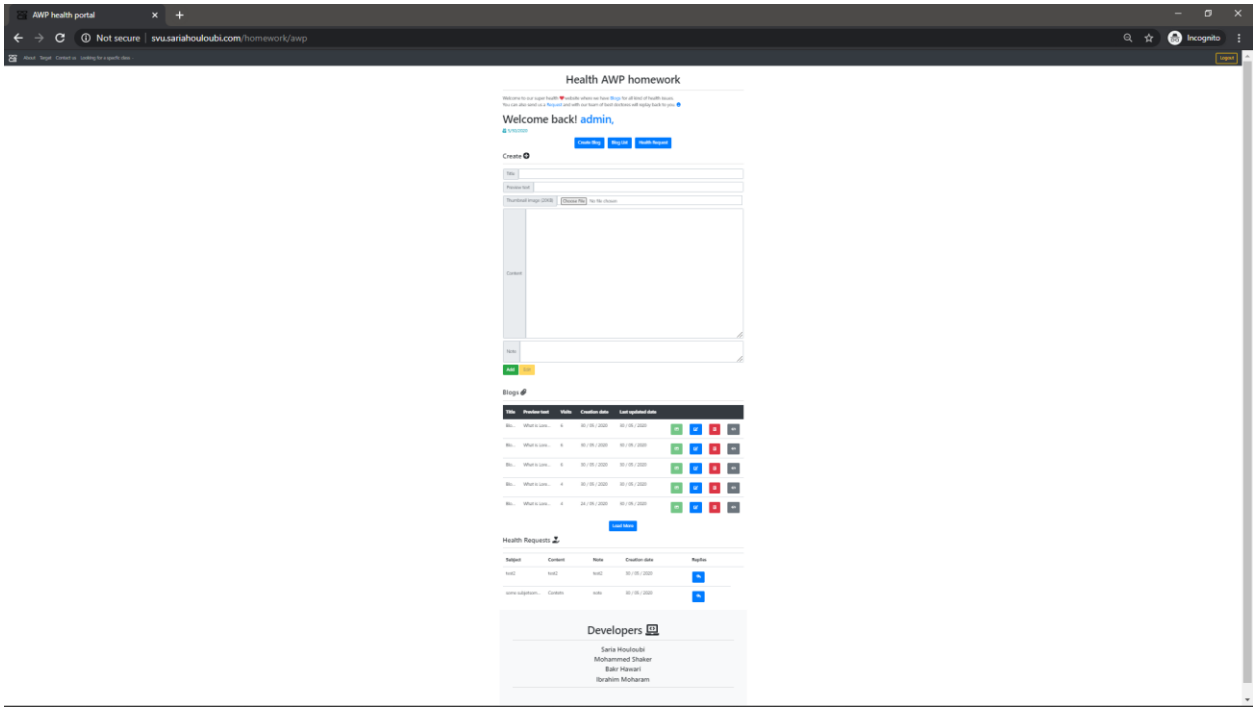

Figure 7 - control panel

4- Database,

For access to the database:

Server: 35.168.118.12,1433

Username: onlyReadSvu

Password: OnlyReadSvu1