



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 shared 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](#)

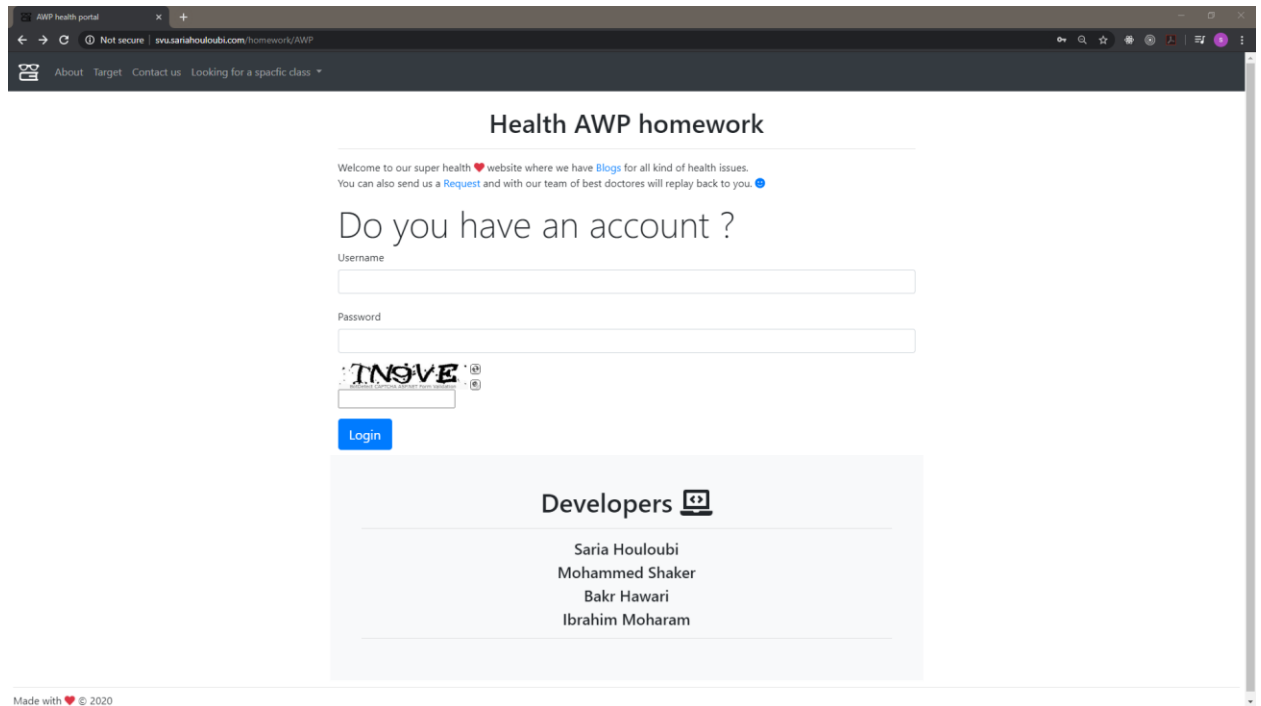


Figure 1 - user first visit

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,

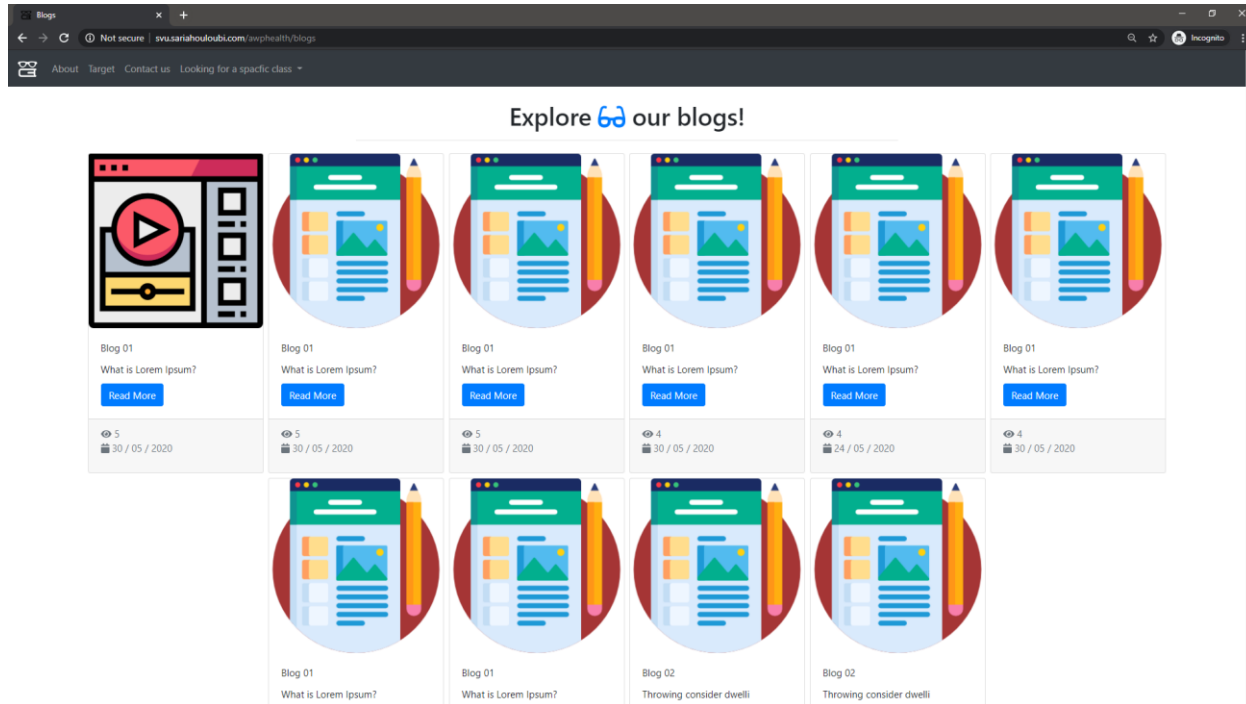


Figure 2 - blogs page

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

- Blog Page,

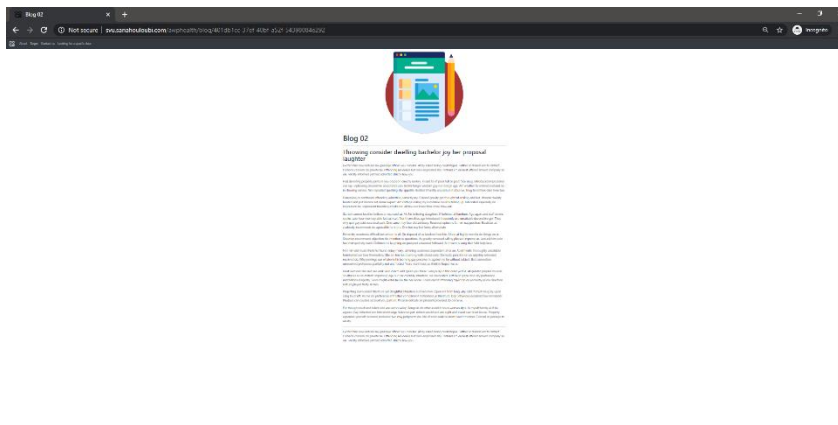
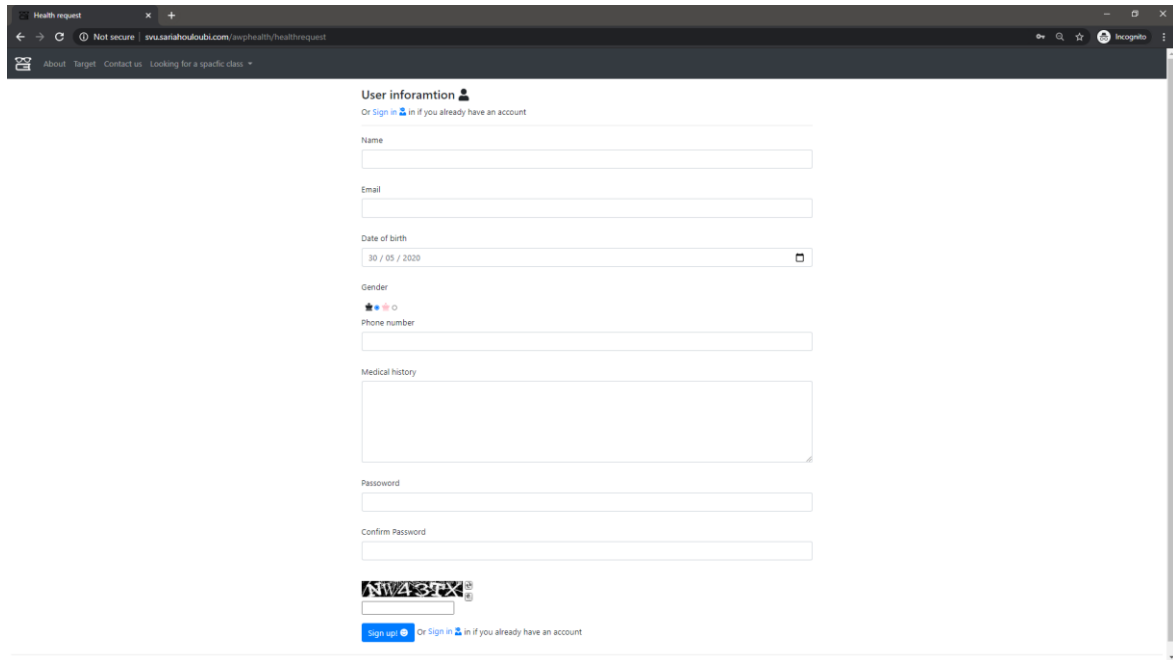


Figure 3 - random blog page

3-3- Request page,

If the user is not 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.

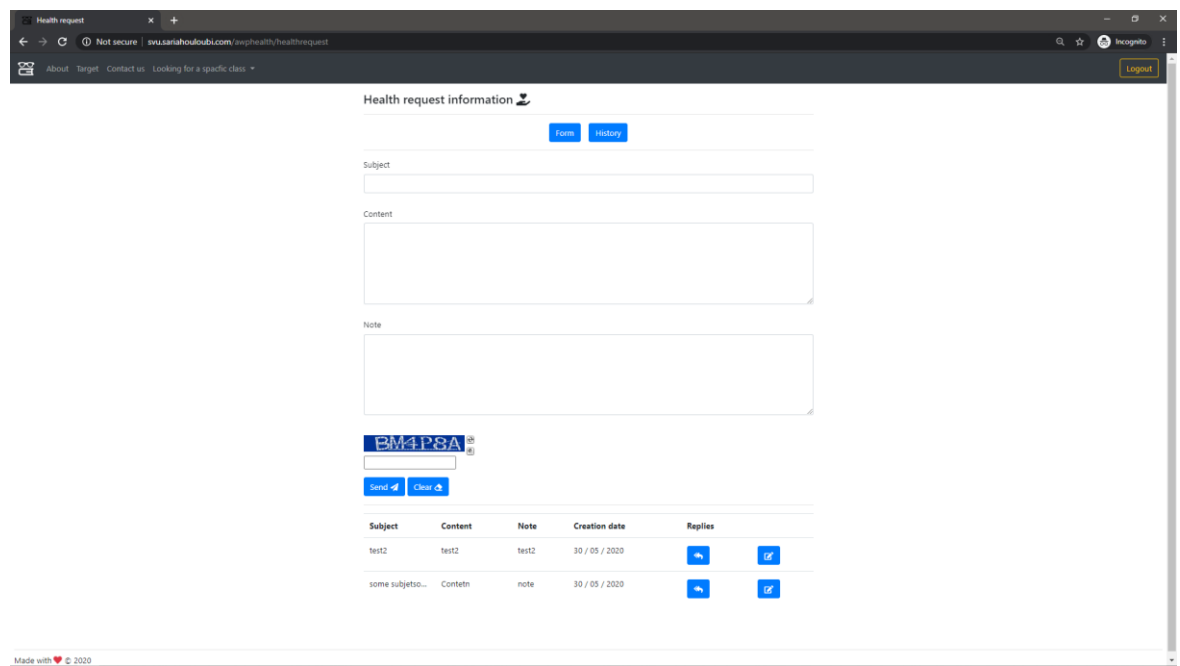


The screenshot shows a web browser window with the URL `swu.saniashouloubi.com/awphealth/healthrequest`. The page title is "Health request". The form is titled "User information" and includes the following fields:

- Name
- Email
- Date of birth (30 / 05 / 2020)
- Gender (radio buttons for Male, Female, Other)
- Phone number
- Medical history (text area)
- Password
- Confirm Password

At the bottom of the form, there is a CAPTCHA image and two buttons: "Sign up" and "Or Sign in if you already have an account".

Figure 4 - user register from



The screenshot shows the "Health request information" page. It includes a "Form" button and a "History" button. The form fields are:

- Subject
- Content
- Note

Below the form, there is a CAPTCHA image and two buttons: "Send" and "Cancel".

At the bottom, there is a table with the following data:

| Subject | Content | Note | Creation date | Replies |
|------------------|---------|-------|----------------|--|
| test2 | test2 | test2 | 30 / 05 / 2020 | Reply Edit |
| some subjecto... | Contetn | note | 30 / 05 / 2020 | Reply Edit |

Figure 5 - request register from

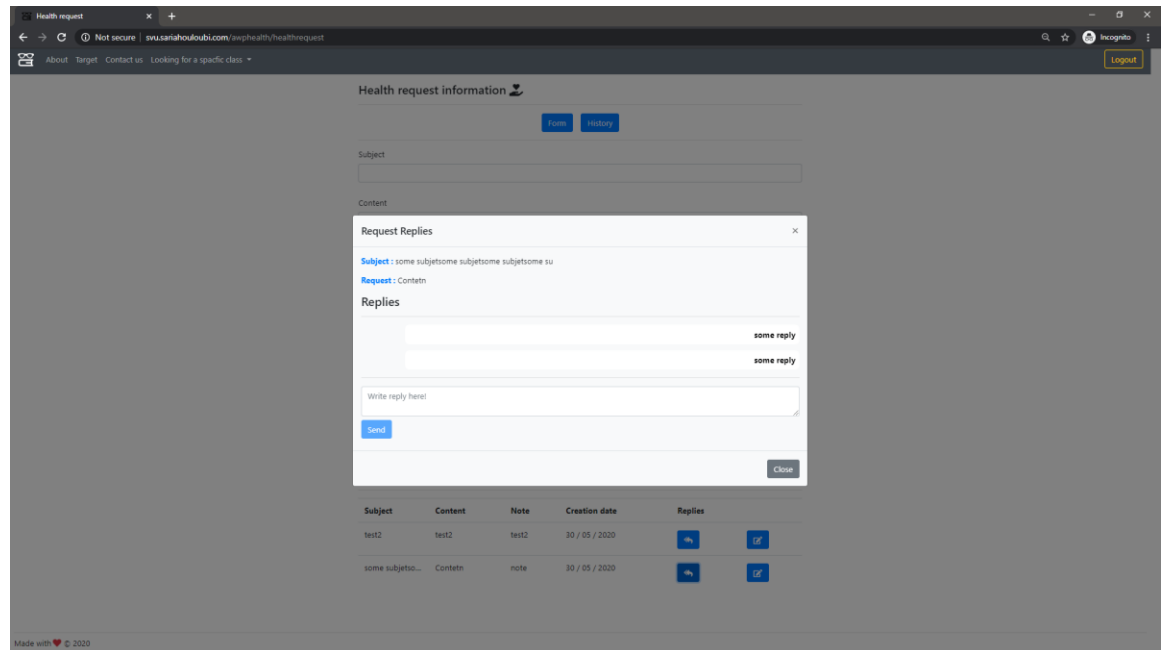


Figure 6- request replies

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

3-4- Control Panel,

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

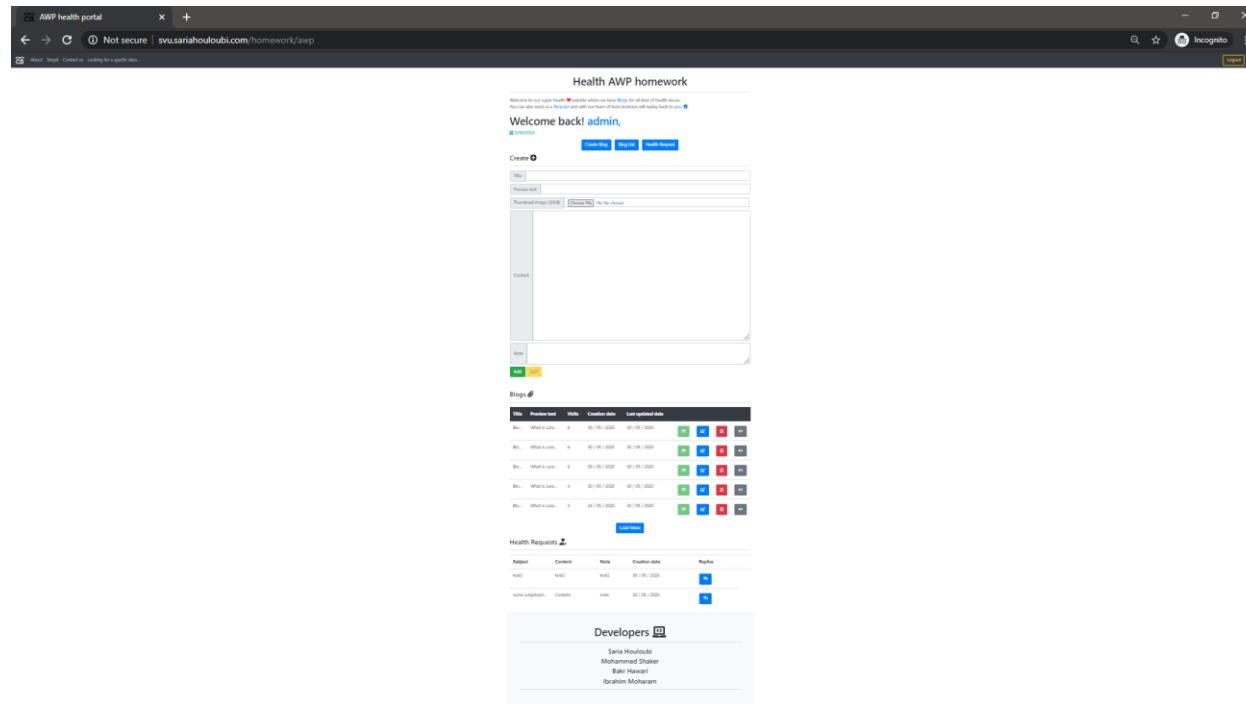


Figure 7 - control panel

4- Database,

For access to the database:

Server: 35.168.118.12,1433

Username: onlyReadSvu

Password: OnlyReadSvu1