To create a small application that would allow scheduling for a medical procedure in a dental office.

Details:

- 5 doctors;

- 5 different procedures: A, B, C, D, E;

Note: A doctor can perform several of the above procedures (maximum 3 - at choice).

The task is to create a form by which a patient books the necessary medical procedure. Access to the registration functionality is allowed only after the creation of the client account, for which the necessary data is filled in, such as:

- name,

- first name,

- phone number,

- e-mail,

To register for the necessary procedure, the client authenticates in the application and choosing the Procedure, from a drop-down menu and Time (day and time), through the calendar form available is selected from the list of doctors available at the time chosen for the procedure from the list provided application.

Task details:

- Validation of creating a user account is done by email;

- The administration area must present all bookings in a sortable list and with some search / sort filters;

- The administration area must contain the functional for the management of doctors and procedures;

- To implement User Authentication based on Roles & Permissions (Roles: Client and Admin);

- To implement the confirmation of the registration by e-mail for the client;

- Implement Email Notification one day before scheduling

- Implement the Statistical Report with filtering by doctor / procedure / period.

Technical requirements:

- ASP.NET Core

- Entity Framework

- Code First

- Layered Architecture

Note: Any additional functional is welcome.