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**Front-end Programmer**

**Task:**

Your task is to create a basic layout for the SPA(Single page application).

We also provide for you a small backend app that will validate Login credentials.

Application is written in ASP.NET-Core 2.1. Follow these steps to run the application:

1. Unzip provided package
2. In location where you unzipped the package run the following command

‘dotnet backend.dll’  
  
Code requirements:  
bootstrap, HTML, css

Using Angular framework for this task would be appreciated but is not required :)  
  
Layout should contain 3 views Login, Dashboard, Configuration:

1. Login view  
    The layout of this view is up to you. The only requirement is Login Form  
    Login form requirements:  
    - Vertically centered  
    - Horizontally centered  
    - Input for Login and password  
    - Login button disabled until inputs are filled  
    - Login only works with credentials:  
    login: Fuero, password: FrontEndDeveloper!123   
    - If the user provides invalid credentials display a red label on top of Login form with information about wrong credentials.

(Back end will return HttpResponseCode: 400)   
 - If the user provides valid credentials redirect to Dashboard

(Back end will return HttpResponseCode: 200)

Send login data with

POST request

Header: Content-Type: application/json

Payload:

{

"login" : "xxxx",

"password" : "xxxx"

}

Login credentials are validated by backend on: http://localhost:5000/Login

1. Dashboard view  
    This view requires 3 main elements: Vertical side menu, Header and Main Content Area  
      
    Vertical side menu with 5 items 3 of them collapsible  
    - Menu should always stick to the left side of the screen  
    - Menu should reserve full height of the screen  
    - Menu item is clickable link  
    - If item is collapsible it should have an indicator to see if item is collapsed or not.  
    Menu items are:  
    -> Dashboard  
    -> Statistics(Collapsible)  
    -> Tests  
    -> Devices  
    -> Builds  
    -> Services  
    -> Projects  
    -> Reports(Collapsible)  
    -> Tests  
    -> Devices  
    -> Builds  
    -> Services  
    -> Projects  
    -> Configurations  
    -> Overview(Collapsible)  
    -> Tests  
    -> Devices  
    -> Builds  
    -> Services  
    -> Projects  
      
    Clicking the links doesn't redirect user to any page. It only displays text in center of Main Content Area with link information such as:  
    Dashboard  
    Statistics - Devices  
    Reports - Projects  
    Configurations  
    Overview - Tests etc...  
      
    2. Header area  
    - Header should stick to the top of the page  
    - Header should take full width of the page  
    - This is the place for action buttons like:  
    -> Logout  
    Redirect user to Login Page  
    -> Configuration  
    In Main Content area display Configuration Page  
    - In the centre of the header put area for notifications. There should be three types of notifications:   
    -> Error (red)  
    -> Warning (orange)  
    -> Info (blue)  
    Notification contains text with type and date of occurrence.   
    We need button to dismiss the notification.   
    If notification is not dismissed by the user next incoming notification will replace the old one.  
    Using custom JavaScript code constantly display random type of notification in this area.  
    The time between notifications should be a random number of seconds between 5-10 seconds.  
    3. Main Content area   
    - Stick to the right of menu and below header  
    - Area should reserve all available space left  
    - In this area place one window.  
    Allow user to drag window within Main Content area and after releasing mouse button stay in place.  
    User should be able to collapse the window.   
    Collapsed window also has to be draggable.
2. Configuration view  
     
    This page contains 3 sections each with its own save button  
    Section 1 - Language selection  
    List of available languages is here: https://gist.github.com/piraveen/fafd0d984b2236e809d03a0e306c8a4d  
    This should be single option select.  
    Value displayed in select should be the "name" property of every Language.  
    If value of "nativeName" contains any special character this option should be visible but disabled.   
    We consider every character different from:  
    "A a B b C c D d E e F f G g H h I i J j K k L l M m N n O o P p Q q R r S s T t U u V v W w X x Y y Z z"  
    as special character.  
      
    If no value is selected the default value id English.   
      
    Section 2 - Notification types select - multiple choice  
    Select with Notification types (Displayed in header area), user can check multiple types.  
      
    If no values are selected Save button is disabled.  
      
    Section 3 - email input  
    This is a text input. This field should have a real time email validation during user input.   
    For validation use regex pattern. If input field is not empty and email is not valid Save button should be disabled until user provides  
    valid email or deletes the content of the input.